

**INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE
COMMUNICATIONS ACT OF 1934, AS AMENDED**

**between
Michigan Bell Telephone Company,**

and

MCIMETRO ACCESS TRANSMISSION SERVICES LLC

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INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE COMMUNICATIONS ACT OF 1934, AS AMENDED

This Interconnection Agreement under Sections 251 and 252 of the Telecommunications Act of 1996 (the Agreement), is dated by and between Michigan Bell Telephone Company ("SBC Michigan"), and, MCImetro Access Transmission Services LLC ("MCI").

The effective date of this Agreement ("Effective Date") shall be January 1, 2004, provided that the Agreement has been approved by the Commission or has been deemed approved.

WHEREAS, the Parties want to interconnect their networks, to provide Telephone Exchange Services, Exchange Access and ancillary services in Michigan.

WHEREAS, the Parties are entering into this Agreement to set forth the respective obligations of the Parties and the terms and conditions under which the Parties will Interconnect their networks and facilities and provide to each other services and perform their obligations as required by the Communications Act of 1934 as amended by the Telecommunications Act of 1996, the rules and regulations of the Federal Communications Commission ("FCC"), and the orders, rules and regulations of the Michigan Public Services Commission (the "Commission") and as specifically set forth herein; and

WHEREAS, for purposes of this Agreement, MCI operates where Michigan Bell Telephone Company is the incumbent Local Exchange Carrier and MCI is a competitive Local Exchange Carrier.

NOW, THEREFORE, the Parties hereby agree as follows:

This Agreement is composed of General Terms and Conditions, which are set forth below, together with certain Appendices, Schedules, Exhibits and Addenda which immediately follow this Agreement, all of which are hereby incorporated in this Agreement by this reference and constitute a part of this Agreement.

GENERAL TERMS AND CONDITIONS

1 SCOPE OF AGREEMENT

This Agreement consists of this set of General Terms and Conditions and the following appendices:

- Appendix I: Definitions
- Appendix II: Bona Fide Request
- Appendix III: CNAM
- Appendix IV: Collocation
- Appendix V: Directory Assistance Listing Information
- Appendix VI: Directory Assistance Services
- Appendix VII: Invoicing
- Appendix VIII: INW
- Appendix IX: LIDB Service
- Appendix X: Line Sharing
- Appendix XI: Network
- Appendix XII: Number Portability
- Appendix XIII: Numbering
- Appendix XIV: Operations Support Systems
- Appendix XV: Operator Services
- Appendix XVI: Performance Measurements
- Appendix XVII: Pricing

Appendix XVIII: Reciprocal Compensation
Appendix XIX: Recording
Appendix XX: Resale
Appendix XXI: ROW
Appendix XXII: SS7
Appendix XXIII: UNE
Appendix XXIV: xDSL
Appendix XXV: 800 Database
Appendix XXVI: 911
Amendment Superseding Certain Reciprocal Compensation, Interconnection And Trunking Terms

2 INTERPRETATION, CONSTRUCTION AND SEVERABILITY

2.1 Definitions

For purposes of this Agreement, certain terms have been defined in this Agreement to encompass meanings that may differ from, or be in addition to, the normal connotation of the defined word. Unless the context clearly indicates otherwise, any term defined or used in the singular will include the plural. Whenever the context may require, any pronoun shall include the corresponding masculine, feminine and neuter forms. The words "will" and "shall" are used interchangeably throughout this Agreement and the use of either connotes a mandatory requirement. The use of one or the other will not mean a different degree of right or obligation for either Party. A defined word intended to convey its special meaning is capitalized when used.

2.2 Headings Not Controlling

2.2.1 The headings and numbering of Sections, Parts, Appendices Schedules and Exhibits to this Agreement are for convenience only and will not be construed to define or limit any of the terms herein or affect the meaning or interpretation of this Agreement.

2.2.2 This Agreement incorporates a number of Appendices which, together with their associated Attachments, Exhibits, Schedules and Addenda, constitute the entire Agreement between the Parties.

2.3 Referenced Documents

Whenever any provision of this Agreement refers to any document specifically incorporated into the Agreement it will be deemed to be a reference to the then-current version or edition.

2.4 Intentionally Omitted.

2.5 Intentionally Omitted.

2.6 Conflict in Provisions

2.6.1 In the event of a conflict between any provision in this General Terms and Conditions and a provision of any Appendix, Attachment, Exhibit, or Schedule of this Agreement, the terms and conditions contained in the Appendix, Attachment, Exhibit or Schedule will supersede those contained in this General Terms and Conditions, but only in regard to the services or activities listed in that particular Appendix, Attachment, Exhibit or Schedule.

2.6.2 Intentionally Omitted.

2.7 Joint Work Product

This Agreement is the joint work product of the Parties and has been negotiated by the Parties and their respective counsel and shall be fairly interpreted in accordance with its terms and, in the event of any ambiguities, no inferences shall be drawn against either Party.

2.8 Severability

If any provision of this Agreement is rejected by the Commission or held to be illegal or invalid or unenforceable, each Party agrees that such provision shall be enforced to the maximum extent permissible so as to effect the intent of the Parties, and the validity and legality and enforceability of the remaining provisions of this Agreement shall not in any way be affected or impaired thereby. If necessary to effect the intent of the Parties, the Parties shall negotiate in good faith to amend this Agreement to replace the unenforceable language with enforceable language that reflects such intent as closely as possible.

2.9 Intentionally Omitted.

2.10 Non-Voluntary Provisions

2.10.1 This Agreement incorporates certain rates, terms and conditions that were not voluntarily negotiated by the Parties, but instead resulted from determinations made in arbitrations under Section 252 of the Act (individually and collectively, a "Non-Voluntary Arrangement"). If any Non-Voluntary Arrangement is modified as a result of any applicable order or finding by the FCC, the Commission or a court of competent jurisdiction, either Party may request that this Agreement be amended in accordance with the requirements of Section 23 of the General Terms and Conditions of this Agreement.

2.10.2 The Parties acknowledge that the Non-Voluntary Arrangements contained in this Agreement shall not be available pursuant to paragraph 43 of the SBC-Ameritech Merger Conditions in any state other than Michigan.

2.11 Intentionally Omitted.

2.12 Scope of Obligations

SBC Michigan's obligations under this Agreement shall apply only to the portions of Michigan in which SBC Michigan is deemed to be the ILEC under the Act.

3 NOTICE OF CHANGES -- SECTION 251(c)(5)

3.1 Nothing in this Agreement shall limit either Party's ability to upgrade its network through the incorporation of new equipment, new software or otherwise. Each Party agrees to comply with the Network Disclosure rules adopted by the FCC in CC Docket No. 96-98, Second Report and Order, codified at 47 C.F.R. 51.325 through 51.335, as such rules may be amended from time to time (the "Network Disclosure Rules").

- 3.2 SBC Michigan shall provide services pursuant to the provisions of this Agreement. SBC Michigan shall not discontinue or refuse to provide any service provided or required under this Agreement without MCI's prior written agreement. This is not intended to impair SBC Michigan's ability to make changes in its network, provided that such changes are consistent with the Act and this Agreement and do not result in the discontinuance of the offering of network elements made by SBC Michigan during the term of this Agreement.

4 GENERAL RESPONSIBILITIES OF THE PARTIES

- 4.1 Upon approval by the Commission, the Parties agree to begin providing the services referenced herein immediately or as otherwise established in the applicable Appendix.
- 4.2 The Parties shall each provide their portion of services timely to meet the Interconnection Activation Dates.
- 4.3 The Parties agree to comply with Telcordia BOC Notes on LEC Networks Practice No. SR-TSV-002275.

5 INSURANCE

- 5.1 At all times during the term of this Agreement, each Party shall keep and maintain in force at its own expense the following minimum insurance coverage and limits and any additional insurance and/or bonds required by Applicable Law:
- 5.2 Workers' Compensation insurance with benefits afforded under the laws of each state covered by this Agreement and Employers Liability insurance with minimum limits of \$1,000,000 for Bodily Injury-each accident, \$500,000 for Bodily Injury by disease-policy limits and \$1,000,000 for Bodily Injury by disease-each employee.
- 5.3 Commercial General Liability insurance with minimum limits of: \$10,000,000 General Aggregate limit; \$5,000,000 each occurrence sub-limit for all bodily injury or property damage incurred in any one occurrence; \$1,000,000 each occurrence sub-limit for Personal Injury and Advertising; \$10,000,000 Products/Completed Operations Aggregate limit, with a \$5,000,000 each occurrence sub-limit for Products/Completed Operations. Fire Legal Liability sub-limits of \$2,000,000 are also required if this Agreement involves collocation. The other Party must be named as an Additional Insured on the Commercial General Liability policy.
- 5.4 If use of an automobile is required, Automobile Liability insurance with minimum limits of \$1,000,000 combined single limits per occurrence for bodily injury and property damage, which coverage shall extend to all owned, hired and non-owned vehicles.
- 5.5 Each Party shall require subcontractors providing services under this Agreement to maintain in force the insurance coverage and limits required in Sections 5.1 through 5.4 of this Agreement.
- 5.6 The Parties agree that companies affording the insurance coverage required under Section 5.1 shall have a rating of A- or better and a Financial Size Category rating of VIII or better, as rated in the A.M. Best Key Rating Guide for Property and Casualty Insurance Companies. Upon request from the other Party, each Party shall provide to the other Party evidence of such insurance coverage.

- 5.7 Each Party agrees to provide the other Party with at least thirty (30) calendar days advance written notice of cancellation, a reduction in limits, or non-renewal of any of the insurance policies required herein.
- 5.8 Each Party agrees to accept the other Party's program of self-insurance in lieu of insurance coverage if certain requirements are met. These requirements are as follows:
 - 5.8.1 The Party desiring to satisfy its Workers' Compensation and Employers Liability obligations through self-insurance shall submit to the other Party a copy of its Certificate of Authority to Self-Insure its Workers' Compensation obligations issued by each state covered by this Agreement or the employer's state of hire; and
 - 5.8.2 The Party desiring to satisfy its automobile liability obligations through self-insurance shall submit to the other Party a copy of the state-issued letter approving self-insurance for automobile liability issued by each state covered by this Agreement; and
 - 5.8.3 The Party desiring to satisfy its general liability obligations through self-insurance must provide evidence acceptable to the other Party that it maintains at least an investment grade (e.g., B+ or higher) debt or credit rating as determined by a nationally recognized debt or credit rating agency such as Moody's, Standard and Poor's or Duff and Phelps.
 - 5.8.4 This Section 5 is a general statement of insurance requirements and shall be in addition to any specific requirement of insurance referenced elsewhere in this Agreement or a Referenced Instrument.

6 OPERATING COMPANY NUMBER (OCN) / ACCESS EXCHANGE CARRIER NUMBER (AECN)

- 6.1 Upon the Effective Date, MCIIm shall provide SBC Michigan with MCIIm's state-specific authorized and nationally recognized OCN/AECNs, as applicable, for facilities-based (Interconnection and/or unbundled Network Elements) and a separate and distinct OCN/AECN for Resale Services as required by the North American Company Code Assignment Procedures.
- 6.2 Either Party may make one (1) name change in any twelve (12) month period without charge by the other Party for updating that Party's databases, systems and records solely to reflect such name change. In the event of any other name change, each Party reserves the right to seek recovery of its reasonable and demonstrable costs associated with updating its applicable databases, systems and records to reflect the name change. Notwithstanding the above, for each name change, MCIIm shall pay any applicable charges as set forth in Appendix Pricing associated with recording and updating any MCIIm branding or announcements.
- 6.3 When an end user customer changes its service provider from SBC Michigan to MCIIm or from MCIIm to SBC Michigan and does not retain its original telephone number, the Party formerly providing service to such end user customer shall furnish a referral announcement ("Referral Announcement") on the original telephone number that specifies the end user customer's new telephone number. These arrangements will be provided reciprocally for the same period of time and under the same terms and conditions as such Party provides such arrangements to its existing end user customers.

6.3.1 Intentionally Omitted.

6.3.2 Intentionally Omitted.

6.3.3 Intentionally Omitted.

6.3.4 The Parties shall provide each other with Referral Announcements for the period of time specified by Michigan law. However, if either Party provides Referral Announcements for a period longer than the above period(s) when its end user customers change their telephone numbers, such Party shall provide the same level of service to end user customers of the other Party.

6.4 Each Party shall be responsible for labor relations with its own employees.

7 TERM AND TERMINATION

7.1 The term of this Agreement shall commence upon the Effective Date of this Agreement and will remain in effect for three (3) years after the Effective Date and continue in full force and effect thereafter until (i) superseded in accordance with the requirements of this section or (ii) terminated pursuant to the requirements of this section. No earlier than one-hundred forty (140) days before the expiration of the term, either Party may request that the Parties commence negotiations to replace this Agreement with a superseding agreement by providing the other Party with a written request to enter into negotiations.

7.2 Either Party may terminate this Agreement in the event that the other Party fails to perform a material obligation or materially breaches a material term of this Agreement and such failure or breach materially disrupts the operation of either Party's network and/or materially interferes with either Party's end user customer's service, and the breaching Party fails to cure such material nonperformance or material breach within forty-five (45) days after written notice thereof.

7.3 Intentionally Omitted.

7.4 Upon termination of this Agreement in accordance with this Section 7:

(a) each Party shall continue to comply with its Confidential Information obligations,

(b) each Party shall promptly pay all amounts (including any late payment charges) owed under this Agreement, and

(c) each Party's indemnification obligations shall survive.

7.5 If, upon termination of this Agreement other than pursuant to Section 7.2, the Parties are negotiating a successor agreement, during such period each Party shall continue to perform its obligations and provide the services described herein that are to be included in the successor agreement until such time as a successor agreement becomes effective; provided, however, that if the Parties are unable to reach agreement prior to the termination of this Agreement, either Party has the right to submit this matter to the Commission for resolution. Until a successor agreement is reached or the Commission resolves the matter, whichever is sooner, the terms, conditions, rates and charges stated herein will continue to apply, subject to a true-up based on the Commission action or the new agreement, if any.

8 FRAUD

- 8.1 Except as provided in this section 8, neither Party shall be liable to the other Party for any fraud associated with the other Party's end user customer's account.
- 8.2 Uncollectible or unbillable revenues resulting from the accidental or malicious alteration of software underlying Network Elements or their subtending OSS by unauthorized third parties is the responsibility of the Party which has administrative control of access to the Network Element or OSS software.
- 8.3 The Parties agree to cooperate with one another to investigate, minimize, and take corrective action in cases of fraud. The Parties agree to cooperate to minimize all costs. The Parties agree that fraud minimization procedures should be cost effective and implemented so as not to unduly burden or harm one Party as compared to the other.
- 8.4 In cases of suspected fraudulent activity by an end user customer, at a minimum, the cooperation referenced in section 8.3 will include providing to the other Party, upon request, information concerning end user customers who are suspected of fraudulent activity.. The Party seeking such information is responsible for securing the end user customer's permission to obtain such information.
- 8.5 SBC Michigan will provide notification messages to MCIIm on suspected occurrences of ABS-related fraud on MCIIm accounts stored in the applicable LIDB. SBC Michigan will provide via fax.
- 8.6 SBC Michigan shall make available to MCIIm 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; information digits, such as information digits '29' and '70' which indicate prison and COCOT pay phone originating line types respectively; call blocking of domestic, international, 800, 888, 900, NPA-976, 700, 500 and specific line numbers; and the capability to require end-user entry of an authorization code for dial tone. SBC Michigan shall, in addition, provide fraud alerts for fraud prevention, detection, and control functionality within pertinent operations support systems ("OSS"), including, but not limited to, Line Information Data Base Fraud monitoring systems, High Toll Notifiers, SS7 suspect traffic alerts, and AMA suspect traffic alerts.

9 DEPOSITS

- 9.1 Intentionally Omitted.
- 9.2 The deposit requirements set forth herein apply to all payments made under this Agreement, whether by MCIIm or SBC Michigan. If, however, MCIIm is furnished both Resale Services and Network Elements, MCIIm shall make two (2) separate deposits, one for Resale and one for Non-Resale items, each calculated separately as set forth below, if any of the following occurs:
 - 9.2.1 at the Effective Date the Paying Party had not already established satisfactory credit by having made at least twelve (12) consecutive months of timely payments to the Other Party for charges incurred as a CLEC or ILEC; or
 - 9.2.2 at the Effective Date or at any time thereafter, there has been an impairment of the financial health or creditworthiness of the Paying Party such that the Paying

Party has not maintained a BBB or better long term debt rating or an A-2 or better short term debt rating by Standard and Poor's for the prior six months.

- 9.2.3 The Party fails to timely pay a bill rendered to it (except such portion of a bill that is subject to a good faith, bona fide dispute and as to which the Non-Paying Party has complied with the billing dispute requirements set forth herein); or
 - 9.2.4 The Party admits its inability to pay its debts as such debts become due, has commenced a voluntary case (or has had an involuntary case commenced against it) under the U.S. Bankruptcy Code or any other law relating to insolvency, reorganization, winding-up, composition or adjustment of debts or the like, has made an assignment for the benefit of creditors or is subject to a receivership or similar proceeding.
- 9.3 Any deposits required by the previous section shall be:
- 9.3.1 a cash security deposit ("Cash Deposit") or
 - 9.3.2 an unconditional, irrevocable standby bank Letter of Credit from a U.S. financial institution naming SBC Michigan as the beneficiary, and
 - 9.3.3 in an amount equal to three (3) months average monthly Resale charges (if a Resale deposit applies), and three (3) months average monthly charges for Network Elements (if Network Elements applies) (including collocation charges, and all recurring, non-recurring and usage sensitive charges, termination fees and other payments for UNEs made in the prior two months); and three (3) months Reciprocal Compensation (if Reciprocal Compensation applies).
- 9.4 All cash deposits will accrue interest at the rate of six percent (6%) simple interest per annum, payable when the deposit is returned to the Other Party.
- 9.5 If during the course of this Agreement the Party paying the Deposit establishes a minimum of twelve (12) consecutive months good credit history with the Other Party when doing business as a local service provider, the Party holding the Deposit(s) shall return the initial deposits, with interest; provided, however, that the terms and conditions set forth herein shall continue to apply for the remainder of the Term. In determining whether a Party has established a minimum of twelve (12) consecutive months good credit history, the Party's payment record for the most recent twelve (12) monthly billings occurring within the prior twenty-four (24) months shall be considered.
- 9.6 Any cash deposit shall be held as a guarantee of payment of charges billed, provided, however, the Party holding the Deposit may exercise its right to credit any cash deposit to the Other Party's account upon the occurrence of any one of the following events:
- 9.6.1 upon the second delinquency notification during the most recent twelve (12) months; or
 - 9.6.2 when the Party holding the Deposit suspends the Other Party's ability to process orders; or
 - 9.6.3 when the Other Party files for protection under the bankruptcy laws; or
 - 9.6.4 when an involuntary petition in bankruptcy is filed against the Other Party and is not dismissed within sixty (60) days; or

- 9.5.6 when this Agreement expires or terminates; or
- 9.5.7 during the month following the expiration of twelve (12) months after that cash deposit was remitted, the Party holding the Deposit shall credit any cash deposit to the Other Party's account so long as it has not been sent more than one delinquency notification letter for that state during the most recent twelve (12) months.
- 9.7 So long as the Other Party maintains timely compliance with its payment obligations, the Party holding the Deposit will not increase the deposit amount required. If the Other Party fails to maintain timely compliance with its payment obligations, the Party holding the Deposit reserves the right to require additional deposit(s) in accordance with this Section.
- 9.8 If during the first six (6) months of operations in Michigan, the Other Party has been sent one delinquency notification letter by the Party holding the Deposit, the deposit amount for that state shall be re-evaluated based upon the actual billing totals and shall be increased if the Other Party's actual billing average for the two (2) month period exceeds the deposit amount held.
 - 9.8.1 Throughout the Term, any time the Other Party has been sent two (2) delinquency notification letters for any one state by the Party holding the Deposit, the deposit amount shall be re-evaluated based upon actual billing totals and shall be increased if the Other Party's actual billing average for the three (3) month period exceeds the deposit amount held.
- 9.9 Whenever a deposit is re-evaluated as specified herein, such deposit shall be calculated in an amount equal to the average billing for four (4) month period. The most recent four (4) months billing on all Billing Account Numbers (BAN)s for Resale Services, Network Elements, and Reciprocal Compensation shall be used to calculate the monthly average.
- 9.10 Intentionally Omitted.
- 9.11 Whenever a deposit is re-evaluated, the Other Party shall remit the additional deposit amount to the Party holding the Deposit within thirty (30) calendar days of receipt of written notification requiring such deposit. If the Other Party fails to furnish the required deposit, the Party holding the Deposit shall suspend the Other Party's ability to process orders until the deposit is remitted.
- 9.12 Intentionally Omitted.
- 9.13 The fact that the Party holding the Deposit holds either a cash deposit or irrevocable bank letter of credit does not relieve the Other Party from timely compliance with its payment obligations under this Agreement.
- 10 INTENTIONALLY OMITTED**
- 11 INTENTIONALLY OMITTED**
- 12 DISPUTE ESCALATION AND RESOLUTION**
 - 12.1 Commencing Dispute Resolution

Dispute Resolution shall commence upon one Party's receipt of written notice of a controversy or claim arising out of or relating to this Agreement or its breach. No Party may pursue any claim unless such written notice has first been given to the other Party in accordance with the Notice provisions herein.

12.2 Informal Dispute Resolution

Upon receipt by one Party of notice of a dispute by the other Party, each Party will appoint a knowledgeable, responsible representative to meet and negotiate in good faith to resolve any dispute arising under this Agreement. The location, form, frequency, duration, and conclusion of these discussions will be left to the discretion of the representatives, provided, however, and notwithstanding anything to the contrary, either Party may commence Formal Dispute Resolution Procedures at any time during the Informal Dispute Resolution process. In addition to the dispute resolution procedures detailed herein, the Parties have the option to resolve any dispute arising out of this Agreement through a state-supervised mediation process, subject to the Commission's determinations and rules and consistent with the FCC's Merger Conditions Order. Further, upon mutual agreement of the Parties, the representatives may utilize other alternative dispute resolution procedures to assist in the negotiations. Discussions and the correspondence among the representatives for purposes of settlement are exempt from discovery and production and will not be admissible in the arbitration described below or in any lawsuit without the concurrence of both Parties. Documents identified in or provided with such communications that were not prepared for purposes of the negotiations are not so exempted, and, if otherwise admissible, may be admitted in evidence in the arbitration or lawsuit.

12.3 Formal Dispute Resolution Procedures

12.3.1 The Parties recognize and agree that the Commission has continuing jurisdiction to implement and enforce all terms and conditions of this Agreement. Accordingly, the Parties agree that any dispute arising out of or relating to this Agreement that the Parties themselves cannot resolve by Informal Dispute Resolution, may be submitted to the Commission at any time for resolution. However, Formal Dispute Resolution procedures, including arbitration or other procedures as appropriate, may be invoked not earlier than thirty (30) calendar days after receipt of the letter initiating Dispute Resolution under Section 12.1. The Parties may seek expedited resolution by the Commission, and if chosen, shall request that resolution occur in no event later than sixty (60) days from the date of submission of such dispute. If the Commission appoints an expert(s) or other facilitator(s) to assist in its decision making, and the Commission does not pay for such expert or other facilitator, each Party shall pay half of the fees and expenses so incurred. During the Commission proceeding each Party shall continue to perform its obligations under this Agreement; provided, however that neither Party shall be required to act in any unlawful fashion. This provision shall not preclude the Parties from seeking relief available in any other forum.

12.3.2 Claims will be subject to final and binding commercial arbitration pursuant to this Section 12.3.2 if, and only if, the claim is not settled through Informal Dispute Resolution and both Parties agree to arbitration. If both Parties do not agree to arbitration, then either Party may pursue a remedy for the Dispute with the Commission, a court, an agency or regulatory authority of competent jurisdiction. Disputes subject to arbitration under this section will be conducted before The American Arbitration Association or by a provider of arbitration services to which the Parties agree, pursuant to the United States Arbitration Act, 9 USC Sec. 1 et

seq. Either Party may commence the arbitration process called for in this Agreement at any time by filing a written demand for arbitration with The American Arbitration Association, with a copy to the other Party. The arbitration will be conducted in accordance with the provisions of The American Arbitration Association's Comprehensive Arbitration Rules and Procedures or such other rules as the Parties may agree that are in effect at the time of the filing of the demand for arbitration. The Parties shall file the arbitrator's decision with the Commission. The Parties will share the costs of the arbitration equally. The provisions of this Section 12.3.2 may be enforced by any Court of competent jurisdiction. In an action to enforce a decision of the Arbitrator, the prevailing Party shall be entitled to its reasonable attorneys' fees, expert fees, costs, and expenses without regard to the local rules of the district in which the suit is brought.

- 12.3.3 The Parties agree that the arbitrator shall have no power or authority to make awards or issue orders of any kind except as expressly permitted by this Agreement, and in no event shall the arbitrator have the authority to make any award that provides for punitive, or exemplary damages, multiple damages or any other damages not measured by the prevailing Party's actual damages.

13 AUDITS

13.1 Audit Rights

- 13.1.1 Subject to restrictions regarding Proprietary Information set forth in this Agreement, a Party (Auditing Party) may audit the other Party's (Audited Party) books, records, data and other documents, as provided herein, two (2) times each Contract Year for the purpose of evaluating the accuracy of Audited Party's billing and invoicing. For purposes of this Section 13.1, "Contract Year" means a twelve (12) month period during the term of the Agreement commencing on the Effective Date and each anniversary thereof. The scope of the audit shall be limited to the services provided and purchased by the Parties and the associated charges, books, records, data and other documents relating thereto for the period which is the shorter of (i) the period subsequent to the last day of the period covered by the audit which was last performed (or if no audit has been performed, the Effective Date) and (ii) the twenty-four (24)-month period immediately preceding the date the Audited Party received notice of such requested audit. Except as otherwise agreed upon by the Parties, such audit shall begin no fewer than thirty (30) days after Audited Party receives a written notice requesting an audit and shall be completed no later than forty-five (45) calendar days after the start of such audit. Such audit shall be conducted by one (1) or more auditor(s) mutually agreed upon by the Parties. The Parties shall select such auditor(s) by the thirtieth day following Audited Party's receipt of a written audit notice. The Auditing Party shall cause the auditor(s) to execute a nondisclosure agreement in a form agreed upon by the Parties. Notwithstanding the foregoing, an Auditing Party may audit as provided herein more than two (2) times during any Contract Year if the previous audit found previously uncorrected net variances or errors in invoices in Audited Party's favor with an aggregate value of at least one and one-half percent (1 1/2%) of the amounts payable by Auditing Party for audited services provided during the period covered by the audit.
- 13.1.2 Each Party shall bear its own expenses in connection with the conduct of the audit. Each audit shall be conducted on the premises of Audited Party during normal business hours. Audited Party shall cooperate fully in any such audit,

providing the auditor reasonable access to any and all appropriate Audited Party employees and books, records and other documents reasonably necessary to assess the accuracy of Audited Party's billing and invoicing. No Party shall have access to the data of the other Party, but shall rely upon summary results provided by the auditor. Audited Party may redact from the books, records and other documents provided to the auditor any confidential Audited Party information that reveals the identity of other Customers of Audited Party. Each Party shall maintain reports, records and data relevant to the billing of any services that are the subject matter of this Agreement for a period of not less than twenty-four (24) months after creation thereof, unless a longer period is required by Applicable Law.

13.1.3 If any audit confirms any undercharge or overcharge, then Audited Party shall (i) for any overpayment promptly correct any billing error, including making refund of any overpayment by Auditing Party in the form of a credit on the invoice for the first full billing cycle after the Parties have agreed upon the accuracy of the audit results and (ii) for any undercharge caused by the actions of or failure to act by Audited Party, immediately compensate Auditing Party for such undercharge, in each case with interest at the lesser of (x) one and one-half (1 1/2%) percent per month and (y) the highest rate of interest that may be charged under Applicable Law, compounded daily, for the number of days from the date on which such undercharge or overcharge originated until the date on which such credit is issued or payment is made and available, as the case may be. Notwithstanding the foregoing, MCIIm shall not be liable for any Underbilled Charges for which Customer Usage Data was not furnished by SBC Michigan to MCIIm within six (6) months of the date such usage was incurred.

13.1.4 Any Disputes concerning audit results shall be referred to the Parties' designated representative(s) who have authority to settle the Dispute. If these individuals cannot resolve the Dispute within thirty (30) days of the referral, either Party may request in writing that one additional audit shall be conducted by an auditor acceptable to both Parties, subject to the requirements set out in this Audit Section. Such additional audit shall be at the requesting Party's expense. If the second audit fails to resolve the Dispute, the matter shall be resolved in accordance with the procedures set forth herein regarding Dispute Resolution.

14 DISCLAIMER OF REPRESENTATIONS AND WARRANTIES

EXCEPT AS EXPRESSLY PROVIDED UNDER THIS AGREEMENT, NO PARTY MAKES OR RECEIVES ANY WARRANTY, EXPRESS, IMPLIED OR STATUTORY, WITH RESPECT TO THE SERVICES, FUNCTIONS AND PRODUCTS IT PROVIDES OR IS CONTEMPLATED TO PROVIDE UNDER THIS AGREEMENT AND EACH PARTY DISCLAIMS THE IMPLIED WARRANTIES OF MERCHANTABILITY AND/OR OF FITNESS FOR A PARTICULAR PURPOSE.

15 LIMITATION OF LIABILITY

15.1 Liabilities of MCIIm – MCIIm's liability to SBC Michigan during any Contract Year resulting from any and all causes, other than as specified in Sections 27, 33, 15.3 and 16 of these general terms and conditions, shall not exceed the total of any amounts due and owing by MCIIm to SBC Michigan under this Agreement during the Contract Year during which such cause accrues or arises. For purposes of this Section 15, "Contract Year" means a twelve (12) month period during the term of the Agreement commencing on the Effective Date and each anniversary thereof.

- 15.2 Liabilities of SBC Michigan – SBC Michigan’s liability to MCI during any Contract Year resulting from any and all causes, other than as specified in Sections 27, 33, 15.3 and 16 of these general terms and conditions, shall not exceed Twenty Five Million Dollars (\$25,000,000).
- 15.3 No Consequential Damages - Neither MCI nor SBC Michigan shall be liable to the other Party for any indirect, incidental, consequential, reliance, or special damages suffered by such other Party (including without limitation damages for harm to business, lost revenues, lost savings, or lost profits suffered by such other Party), regardless of the form of action, whether in contract, warranty, strict liability, or tort, including without limitation negligence of any kind whether active or passive, and regardless of whether the Parties knew of the possibility that such damages could result. Each Party hereby releases the other Party (and such other Party’s subsidiaries and affiliates, and their respective officers, directors, employees and agents) from any such claim. Nothing contained in this Section 15 shall limit SBC Michigan’s or MCI’s liability to the other for (i) willful or intentional misconduct (including gross negligence); (ii) bodily injury, death or damage to tangible real or tangible personal property proximately caused by SBC Michigan’s or MCI’s negligent act or omission or that of their respective agents, subcontractors or employees, nor shall anything contained in this Section 15 limit the Parties’ indemnification obligations, as specified in Section 16 of these general terms and conditions. For purposes of this Section 15, amounts due and owing to either Party pursuant to Appendix Performance Measures shall not be considered to be indirect, incidental, consequential, reliance, or special damages.

16 INDEMNITY

- 16.1 General Indemnity Rights. Each Party (the “Indemnifying Party”) shall defend and indemnify the other Party, its officers, directors, employees and permitted assignees (collectively, the “Indemnified Party”) and hold such Indemnified Party harmless against:
- (a) any loss to a third party arising out of the negligent acts or omissions, or willful misconduct (“Fault”) by such Indemnifying Party or the Fault of its employees, agents and subcontractors in the performance of this Agreement or the failure of the Indemnifying Party to perform its obligations under this Agreement; provided, however, that: (1) with respect to employees or agents of the Indemnifying Party, such Fault occurs while performing within the scope of their employment, (2) with respect to subcontractors of the Indemnifying Party, such Fault occurs in the course of performing duties of the subcontractor under its subcontract with the Indemnifying Party, and (3) with respect to the Fault of employees or agents of such subcontractor, such Fault occurs while performing within the scope of their employment by the subcontractor with respect to such duties of the subcontractor under the subcontract;
 - (b) any loss to a third party arising from such Indemnified Party’s use of Interconnection, Resale Services, Network Elements, functions, facilities, products and services offered under this Agreement, involving pending or threatened claims, actions, proceedings or suits, claims for libel, slander or invasion of privacy arising from the Indemnifying Party’s own acts, omissions or communications.

The foregoing includes any losses arising from disclosure, by the Indemnifying Party, in violation of Applicable Law, of any end user customer-specific information associated with either the originating or terminating numbers used to provision

Interconnection, resale services, Network Elements provided on an unbundled basis, functions, facilities, products or services provided under this Agreement or disclosure otherwise committed by the Indemnifying Party or at the Indemnifying Party's direction;

- (c) any loss arising from claims for actual or alleged infringement of any Intellectual Property right of a third party to the extent that such Loss arises from an Indemnified Party's or an Indemnified Party's end user customer's use of a service provided under this Agreement; provided, however, that an Indemnifying Party's obligation to defend and indemnify the Indemnified Party shall not apply in the case of: (i) (A) any use by an Indemnified Party of a service (or element thereof) in combination with elements, services or systems supplied by the Indemnified Party or persons other than the Indemnifying Party, or (B) where an Indemnified Party or its end user customer modifies or directs the Indemnifying Party to modify such service; and (ii) no infringement would have occurred without such combined use or modification;
- (d) any and all penalties imposed upon the Indemnifying Party's failure to comply with the Communications Assistance to Law Enforcement Act of 1994 ("CALEA") and, at the sole cost and expense of the Indemnifying Party, any amounts necessary to modify or replace any equipment, facilities or services provided to the Indemnified Party under this Agreement to ensure that such equipment, facilities and services fully comply with CALEA; and
- (e) any Loss arising from such Indemnifying Party's failure to comply with Applicable Law.

16.2 A Party (for purposes of this Section the "Reimbursing Party") shall reimburse the other Party (for purposes of this Section the "Reimbursed Party") for property damage to the Reimbursed Party's facilities to the extent such damage is caused by the acts or omissions of the Reimbursing Party, its agents, contractors or employees.

16.3 Indemnification Procedures. Whenever a claim, lawsuit or demand by a third party ("Claim") shall arise for indemnification, the relevant Indemnified Party, as appropriate, shall promptly notify the Indemnifying Party and request the Indemnifying Party to defend the same. Failure to so notify the Indemnifying Party shall not relieve the Indemnifying Party of any liability that the Indemnifying Party might have, except to the extent that such failure prejudices the Indemnifying Party's ability to defend such Claim. The Indemnifying Party shall have the right to defend against such liability or assertion in which event the Indemnifying Party shall give written notice to the Indemnified Party of acceptance of the defense of such Claim and the identity of counsel selected by the Indemnifying Party. Until such time as Indemnifying Party provides such written notice of acceptance of the defense of such Claim, the Indemnified Party shall defend such Claim, at the expense of the Indemnifying Party, subject to any right of the Indemnifying Party, to seek reimbursement for the costs of such defense in the event that it is determined that Indemnifying Party had no obligation to indemnify the Indemnified Party for such Claim. The Indemnifying Party shall have exclusive right to control and conduct the defense and settlement of any such Claims subject to consultation with the Indemnified Party. The Indemnifying Party shall not be liable for any settlement by the Indemnified Party unless such Indemnifying Party has approved such settlement in advance and agrees to be bound by the agreement incorporating such settlement. At any time, an Indemnified Party shall have the right to refuse a compromise or settlement and, at such refusing Party's cost, to take over such defense; provided that in such event the Indemnifying Party shall not be responsible for, nor shall it be obligated to indemnify the relevant Indemnified Party against, any cost or liability in excess of such refused compromise or

settlement. With respect to any defense accepted by the Indemnifying Party, the relevant Indemnified Party shall be entitled to participate with the Indemnifying Party in such defense if the Claim requests equitable relief or other relief that could affect the rights of the Indemnified Party and also shall be entitled to employ separate counsel for such defense at such Indemnified Party's expense. If the Indemnifying Party does not accept the defense of any indemnified Claim as provided above, the relevant Indemnified Party shall have the right to employ counsel for such defense at the expense of the Indemnifying Party. Each Party agrees to cooperate and to cause its employees and agents to cooperate with the other Party in the defense of any such Claim and the relevant records of each Party shall be available to the other Party with respect to any such defense, subject to the restrictions and limitations set forth in the provisions in this Agreement relating to confidential information.

17 REMEDIES

- 17.1 Except as otherwise provided in this Agreement, no remedy set forth herein is intended to be exclusive and each and every remedy shall be cumulative and in addition to any other rights or remedies now or hereafter existing under Applicable Law or otherwise.
- 17.2 Intentionally Omitted.
- 17.3 In addition to any other available rights or remedies, MCI may sue in equity for specific performance. However, the Parties agree that SBC Michigan reserves its right to argue in any given case that specific performance is not an appropriate remedy.

18 INTELLECTUAL PROPERTY

- 18.1 The Parties acknowledge that this Agreement to Interconnect with SBC Michigan's network and to unbundle and/or combine SBC Michigan's Network Elements (including combining with MCI's Network Elements) may be subject to patent, copyright, trade secret, or other applicable rights (Intellectual Property Rights) of third party vendors/licensors (Vendor/Licensors). To the extent required by the Act, Commission decisions, and any applicable judicial decisions and consistent with the FCC Memorandum Opinion and Order dated April 27, 2000 (and any appeal there from) in CC Docket No. 96-98 (File No. CCBPol 97-4), In the Matter of Petition of MCI for Declaratory Ruling, SBC Michigan will use its best efforts to provide MCI with Intellectual Property Rights related to SBC Michigan's Unbundled Network Elements as necessary to permit MCI to use such Unbundled Network Elements in the same manner as SBC Michigan.
- 18.2 SBC Michigan agrees to use its best efforts to (i) obtain, under commercially reasonable terms, the necessary rights set forth in Section 18.1 and (ii) obtain permission, if required, under any applicable confidentiality agreements, to disclose to MCI the names of Vendor/Licensors, the subject intellectual property, and the relevant contract provisions (excluding cost terms) which govern use of the intellectual property. SBC Michigan will provide a list of all Vendor/Licensors applicable to the subject Unbundled Network Element(s). SBC Michigan shall promptly notify MCI of any Vendor/Licensors from which SBC Michigan is unable to obtain the necessary rights or contract information set forth in this Section 18.2. SBC Michigan shall, at MCI's request, contact the Vendor/Licensors to attempt to obtain permission to reveal additional contract details to MCI.
- 18.3 Intentionally Omitted.
- 18.4 The reasonable costs, if any, associated with the extension of Intellectual Property Rights pursuant to Section 18.1 above, including the cost of the license extension itself and the

costs associated with the effort to obtain the extension, shall be a part of the cost of providing the unbundled network element to which the Intellectual Property Rights relate and reasonably apportioned, as ordered by the Commission, among SBC Michigan and requesting carriers using that unbundled network element.

- 18.5 SBC Michigan will indemnify MCIIm for any claims of infringement arising from MCIIm's use within the scope of this Agreement of third party Intellectual Property Rights associated with Network Elements for which SBC Michigan has obtained the necessary rights provided in Section 18.2(i).
- 18.6 Intentionally Omitted.
- 18.7 Except as set forth in Section 18.2, SBC Michigan hereby conveys no licenses to use such Intellectual Property Rights and makes no warranties, express or implied, concerning MCIIm's (or any Third Parties') rights with respect to such Intellectual Property Rights and contract rights, including whether such rights will be violated by such Interconnection or unbundling and/or combining of Network Elements (including combining with MCIIm's Network Elements) in SBC Michigan's network or MCIIm's use of other functions, facilities, products or services furnished under this Agreement. Except as provided in this Section 18.7, any licenses or warranties for Intellectual Property Rights associated with unbundled network elements are vendor licenses and warranties and are a part of the Intellectual Property Rights SBC Michigan agrees in Section 18.2 to use its best efforts to obtain.
- 18.8 Any intellectual property, which originates from or is developed by a Party, shall remain in the exclusive ownership of the Party.

19 NOTICES

- 19.1 Notices given by one Party to the other Party under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be:
 - 19.1.1 delivered personally;
 - 19.1.2 delivered by express overnight delivery service;
 - 19.1.3 mailed, via certified mail or first class U.S. Postal Service, with postage prepaid, and a return receipt requested; or
 - 19.1.4 delivered by facsimile; provided that a paper copy is also sent by a method described above, and such method is noted on the facsimile.
- 19.2 Notices will be deemed given as of:
 - 19.2.1 in the case of written notice, the date of actual receipt; or
 - 19.2.2 in the case of facsimile, the date set forth on the confirmation produced by the receiving facsimile machine when received by facsimile prior to 5:00 p.m. in the recipient's time zone, but the next Business Day when received by facsimile at 5:00 p.m. or later in the recipient's time zone.
- 19.3 Notices will be addressed to the Parties as follows:

NOTICE CONTACT	MCI CONTACT	SBC MICHIGAN CONTACT
NAME/TITLE	V.P. & Chief Technology Counsel	Contract Administration ATTN: Notices Manager
STREET ADDRESS	WorldCom, Inc. 1133 19 th Street NW	311 S. Akard, 9 th Floor Four Bell Plaza
CITY, STATE, ZIP CODE	Washington, DC 20036	Dallas, TX 75202-5398
FACSIMILE NUMBER	(202) 736-6903	214-464-2006

Copy to: MCI
 Sr. Manager, Carrier Agreements
 205 N. Michigan Avenue, 11th Floor
 Chicago, IL 60601
 Fax: ((312) 470-5575

- 19.4 Either Party may unilaterally change its designated contact, address, telephone number and/or facsimile number for the receipt of notices by giving written notice to the other Party in compliance with this Section.
- 19.5 Other than legal notice under this Agreement, which shall be provided in accordance with Sections 19.1 – 19.4, SBC Michigan may also communicate official information to MCI via its CLEC Online notification process. This process covers a variety of subjects, including updates on products/services promotions; deployment of new products/services; modifications and price changes to existing products/services; cancellation or retirement of existing products/services; and operational issues.

20 PUBLICITY AND USE OF TRADEMARKS OR SERVICE MARKS

- 20.1 Neither Party nor its subcontractors or agents shall use in any advertising or sales promotion, press releases, or other publicity matters any endorsements, direct or indirect quotes, or pictures that imply endorsement by the other Party or any of its employees without such first Party's prior written approval. The Parties will submit to each other for written approval, prior to publication, all publicity matters that mention or display one another's name and/or marks or contain language from which a connection to said name and/or marks may be inferred or implied; the Party to whom a request is directed shall respond promptly. Nothing herein, however, shall be construed as preventing either Party from publicly stating the fact that it has executed this Agreement with the other Party.
- 20.2 Nothing in this Agreement shall grant, suggest, or imply any authority for one Party to use the name, trademarks, service marks, logos, proprietary trade dress or trade names of the other Party in any advertising, press releases, publicity matters, marketing and/or promotional materials or for any other commercial purpose without prior written approval from such other Party.

21 INTENTIONALLY OMITTED

22 CONFIDENTIALITY

- 22.1 For the purposes of this Agreement, "Confidential Information" means confidential or proprietary technical or business Information given by one Party (the "Discloser") to the other Party (the "Recipient") that: 1) the Recipient either has reason to know based upon the facts surrounding the disclosure of the information and/or the nature of the information itself that the Discloser safeguards by exercising at least a reasonable

standard of care to protect as confidential information, or that the Recipient is presumed to know that the Discloser believes is confidential because it falls within one or more types of information described herein. All information which is of the following types disclosed by one Party to the other in connection with this Agreement shall automatically be deemed Confidential Information subject to this Agreement. Confidential Information shall be of the following types: all information, including specifications, microfilm, photocopies, magnetic disks, magnetic tapes, audit information, models, system interfaces, forecasts, computer programs, software, documentation, drawings, sketches, models, samples, tools, technical information, data, employee records, maps, financial reports, and market data shall be deemed "Confidential" if :

22.1.1 Furnished or made available or otherwise disclosed by the Discloser or its agent, employee, representative or Affiliate to the Recipient or its agent, employee, representative or Affiliate dealing with End User-specific, facility-specific, or usage-specific information, other than End User information communicated for the purpose of publication, directory, or other database inclusion, 911, call processing, billing or settlement or for such other purposes as mutually agreed upon; all orders for Network Elements, Ancillary Functions, Combinations, Local Services or other services placed by MCI or SBC Michigan pursuant to this Agreement, and information that would constitute Customer Proprietary Network Information of MCI or SBC Michigan customers pursuant to the Act and the rules and regulations of the FCC, and recorded usage data, whether disclosed by MCI to SBC Michigan or SBC Michigan to MCI or otherwise acquired by SBC Michigan or MCI in the course of the performance of this Agreement, shall be deemed Confidential Information of MCI or SBC Michigan, as the case may be, for all purposes under this Agreement.

22.2 For a period of ten years from the receipt of Confidential Information from the Discloser, except as otherwise specified in this Agreement, the Recipient agrees

- i. to use it only for the purpose of performing under this Agreement,
- ii. to hold it in confidence and disclose it to no one other than its employees, contractors, agents or Affiliates having a need to know for the purpose of performing under this Agreement, and
- iii. to safeguard it from unauthorized use or disclosure with at least the same degree of care with which the Recipient safeguards its own Confidential Information.

If the Recipient wishes to disclose the Discloser's Confidential Information to a third party consultant, such disclosure must be mutually agreed to in advance and in writing by the Parties to this Agreement, and the consultant must have executed a written agreement of non-disclosure and non-use comparable in scope to the terms of this Section.

22.3 The Recipient may make copies of Confidential Information only as reasonably necessary to perform its obligations under this Agreement. All such copies shall bear the same copyright and Confidential rights notices as are contained on the original.

22.4 Return of Confidential Information

22.4.1 All Confidential Information shall remain the property of the Disclosing Party, and all documents or other tangible media delivered to the Receiving Party that conspicuously embody such Confidential Information shall be, at the option of the Disclosing Party, either promptly returned to Disclosing Party or destroyed,

except as otherwise may be required from time to time by Applicable Law (in which case the use and disclosure of such Confidential Information will continue to be subject to this Agreement), upon the earlier of (i) the date on which the Receiving Party's need for it has expired and (ii) the expiration or termination of this Agreement.

- 22.5 Unless otherwise agreed, the obligations of confidentiality and non-use set forth in this Agreement do not apply to such Confidential Information that:
- 22.5.1 Was at the time of receipt, already known to the Receiving Party, free of any obligation to keep confidential and evidenced by written records prepared prior to delivery by the Disclosing Party; or
 - 22.5.2 Is, or becomes publicly known through no wrongful act of the Receiving Party; or
 - 22.5.3 Is rightfully received from a Third Party having no direct or indirect secrecy or confidentiality obligation to the Disclosing Party with respect to such information; provided that such Receiving Party has exercised commercially reasonable efforts to determine whether such Third Party has any such obligation; or
 - 22.5.4 Is independently developed by an agent, employee representative or Affiliate of the Receiving Party and such Party is not involved in any manner with the provision of services pursuant to this Agreement and does not have any direct or indirect access to the Confidential Information; or
 - 22.5.5 Is disclosed to a Third Party by the Disclosing Party without similar restrictions on such Third Party's rights; or
 - 22.5.6 Is approved for release by written authorization of the Disclosing Party, but only to the extent of the authorization granted; or
 - 22.5.7 Is required to be made public by the Receiving Party pursuant to Applicable Law or regulation, provided that such production or disclosure shall have been made in accordance with Section 18.6.
- 22.6 Proposed Disclosure of Confidential Information to a Governmental Authority
- 22.6.1 If a Receiving Party desires to disclose or provide to the Commission, the FCC or any other governmental authority any Confidential Information of the Disclosing Party, such Receiving Party shall, prior to and as a condition of such disclosure, (i) provide the Disclosing Party with written notice and the form of such proposed disclosure as soon as possible but in any event early enough to allow the Disclosing Party to protect its interests in the Confidential Information to be disclosed and (ii) attempt to obtain in accordance with the applicable procedures of the intended recipient of such Confidential Information an appropriate order for protective relief or other reliable assurance that confidential treatment shall be accorded to such Confidential Information.
 - 22.6.2 If a Receiving Party is required by any Governmental Authority or by Applicable Law to disclose any Confidential Information, then such Receiving Party shall provide the Disclosing Party with written notice of such requirement as soon as possible, and in no event later than five (5) calendar days after receipt of such requirement, and prior to such disclosure. Upon receipt of written notice of the requirement to disclose Confidential Information, the Disclosing Party at its

expense, may then either seek appropriate protective relief in advance of such requirement to prevent all or part of such disclosure or waive the Receiving Party's compliance with this Section 22 with respect to all or part of such requirement.

22.6.3 The Receiving Party shall use all commercially reasonable efforts to cooperate with the Disclosing Party in attempting to obtain any protective relief which such Disclosing Party chooses to seek pursuant to this Section 22. In the absence of such relief, if the Receiving Party is legally compelled to disclose any Confidential Information, then the Receiving Party shall exercise all commercially reasonable efforts to preserve the confidentiality of the Confidential information, including cooperating with the Disclosing Party, at the Disclosing Party's expense, to obtain an appropriate order for protective relief or other reliable assurance that confidential treatment will be accorded the Confidential Information.

20.6.4 Notwithstanding any of the foregoing, SBC Michigan shall be entitled to disclose Confidential Information on a confidential basis to regulatory agencies upon request for information as to SBC Michigan's activities under the Act and SBC Michigan need not provide prior written notice of such disclosure to MCIIm if SBC Michigan has obtained an appropriate order for protective relief or other reliable assurance that confidential treatment shall be accorded to such Confidential Information.

22.7 Customer Proprietary Network Information ("CPNI")

22.7.1 CPNI related to MCIIm's subscribers obtained by virtue of Interconnection or any other service provided under this Agreement shall be MCIIm's proprietary information and may not be used by SBC Michigan for any purpose except performance of its obligations under this Agreement or as otherwise permitted by law, and in connection with such performance, shall be disclosed only to SBC Michigan's employees, contractors, agents or Affiliates with a need to know, unless the MCIIm subscriber expressly directs MCIIm to disclose, or approves the disclosure of, such information to SBC Michigan pursuant to the requirements of Section 222(c)(1) or (2) of the Act. If SBC Michigan seeks and obtains approval to use or disclose such CPNI from MCIIm's subscribers, such approval shall be obtained only in compliance with Section 222(c)(1) or (2) and, in the event such authorization is obtained, SBC Michigan may use or disclose only such information as MCIIm provides pursuant to such authorization and may not use information that SBC Michigan has otherwise obtained, directly or indirectly, in connection with its performance under this Agreement except as permitted by law. CPNI related to SBC Michigan's subscribers obtained by virtue of Interconnection or any other service provided under this Agreement shall be SBC Michigan's proprietary information and may not be used by MCIIm for any purpose except performance of its obligations under this Agreement or as otherwise permitted by law, and in connection with such performance shall be disclosed only to MCIIm's employees, contractors, agents or Affiliates with a need to know, unless the SBC Michigan subscriber expressly directs SBC Michigan to disclose, or approves the disclosure of, such information to MCIIm pursuant to the requirements of Section 222(c)(1) or (2). If MCIIm seeks and obtains approval to use or disclose such CPNI from SBC Michigan's subscribers, such approval shall be obtained only in compliance with Section 222(c)(1) or (2) and, in the event such authorization is obtained, MCIIm may use or disclose only such information as SBC Michigan provides pursuant to such authorization and may not use information that MCIIm has otherwise obtained, directly or indirectly, in

connection with its performance under this Agreement except as permitted by law.

- 22.8 Each Party's obligations to safeguard Confidential Information disclosed prior to expiration or termination of this Agreement shall survive such expiration or termination. It is the responsibility of each Party to ensure at no additional cost to the other Party that it has obtained any necessary licenses in relation to intellectual property of third parties used in its network that may be required to enable the other Party to use any facilities or equipment (including software), to receive any service, or to perform its respective obligations under this Agreement. Notwithstanding the immediately preceding sentence, neither Party's obligations under such sentence shall exceed those required by law, regulation or regulatory or judicial decision.
- i. Any intellectual property, which originates from or is developed by a Party, shall remain in the exclusive ownership of that Party.
 - ii. Except as provided hereunder, or as otherwise expressly provided elsewhere in this Agreement, no license is hereby granted under any patent, trademark, or copyright, nor is any such license implied, solely by virtue of the disclosure of any Confidential Information. This provision shall not require either Party to grant a license in violation of any law. Nothing in this paragraph shall relieve the Parties of their obligations and responsibilities set forth in Section 18.
- 22.9 The Parties agree that an impending or existing violation of any provision of this Section 22 would cause the Disclosing Party irreparable injury for which it would have no adequate remedy at law, and agree that Disclosing Party shall be entitled to obtain immediate injunctive relief prohibiting such violation, in addition to any other rights and remedies available to it at law or in equity, including both specific performance and monetary damages.
- 22.10 Nothing in this Section 20 or anywhere else in this Agreement shall prevent SBC Michigan from using recorded usage data for the limited purposes of designing and/or maintaining SBC Michigan's telecommunications network and/or ensuring that SBC Michigan's telecommunications network performs properly in providing its intended telecommunications functions and services. SBC Michigan shall not use recorded usage data for any other purpose except as mutually agreed upon.

23 INTERVENING LAW

This Agreement is entered into as a result of both private negotiation between the Parties and the incorporation of some of the results of arbitration by the Commission. If the actions of the State of Michigan or federal legislative bodies, courts, or regulatory agencies of competent jurisdiction invalidate, modify, or stay the enforcement of laws or regulations that were the basis or rationale for a provision of the Agreement, the affected provision shall be invalidated, modified, or stayed, consistent with the action of the legislative body, court, or regulatory agency upon the written request of either Party. In the event of any such actions, the Parties shall expend diligent efforts to arrive at an agreement respecting the appropriate modifications to the Agreement. If negotiations fail, disputes between the Parties concerning the interpretation of the actions required or provisions affected by such governmental actions shall be resolved pursuant to the dispute resolution process provided for in this Agreement.

24 GOVERNING LAW

This Agreement shall be governed by and construed in accordance with the Act and the FCC's Rules and Regulations, Commission Rules and Regulations and the domestic laws of the State of Michigan, without regard to its conflicts of laws principles.

25 REGULATORY APPROVAL

25.1 The Parties understand and agree that this Agreement and any amendment or modification hereto will be filed with the Commission for approval in accordance with Section 252 of the Act. If any governmental authority or agency rejects any provision of this Agreement, the Parties will negotiate promptly and in good faith, in accordance with the requirements of Section 23, the revisions which may reasonably be required to achieve approval. The Parties intend that any additional services requested by either Party relating to the subject matter of this Agreement will be incorporated into this Agreement by amendment. Each amendment will be effective between the Parties on the date specified in the amendment.

26 CHANGES IN END USER LOCAL EXCHANGE SERVICE PROVIDER SELECTION

26.1 Each Party will abide by applicable federal and state laws and regulations in obtaining end user customer authorization prior to changing an end user customer's Local Exchange Carrier to itself and in assuming responsibility for any applicable charges as specified in Section 258(b) of the Telecommunications Act of 1996. Each Party shall deliver to the other Party a representation of authorization that applies to all orders submitted by a Party under this Agreement requiring a change in an end user customer's local service provider. A Party's representation of authorization shall be delivered to the other Party prior to the first order submitted to the other Party. In accordance with Applicable Law, each Party shall retain on file all applicable letters and other documentation of authorization relating to its end user customer's selection of such Party as its LEC.

26.2 Unless otherwise allowed by Applicable Law, only an end user customer can initiate a challenge to a change in its LEC. If an end user customer notifies one Party that the end user customer requests local exchange service, and the other Party is such end user customer's LEC, then the Party receiving such request shall be free to immediately access such end user customer's CPNI subject to the requirements of Appendix OSS of this Agreement restricting access to CPNI.

27 COMPLIANCE AND CERTIFICATION

27.1 Each Party shall comply at its own expense with all Applicable Laws that relate to that Party's obligations to the other Party under this Agreement. Nothing in this Agreement shall be construed as requiring or permitting either Party to contravene any mandatory requirement of Applicable Law.

27.2 Each Party will be responsible for obtaining all necessary state certification.

27.3 Each Party shall be responsible for obtaining and keeping in effect all approvals necessary to perform its obligations under this Agreement

27.4 Each Party will be responsible for ensuring that any equipment, facilities or services provided to the other Party under this Agreement comply with CALEA.

28 LAW ENFORCEMENT

The Parties shall handle law enforcement requests in accordance with the requirements of this Section 28.

28.1 Intercept Devices:

Local and federal law enforcement agencies periodically request information or assistance from local telephone service providers. When either Party receives a request associated with an end user customer of the other Party, it shall refer such request to the Party that serves such end user customer, unless the request directs the receiving Party to attach a pen register, trap-and-trace or form of intercept on the Party's facilities, in which case that Party shall comply with any valid request.

28.2 Subpoenas:

If a Party receives a subpoena for information concerning an end user customer the Party knows to be an end user customer of the other Party, it shall refer the subpoena to the requesting party with an indication that the other Party is the responsible company, unless the subpoena requests records for a period of time during which the Party was the end user's service provider, in which case the Party will respond to any valid request.

28.3 Emergencies:

If a Party receives a request from a law enforcement agency for temporary number change, temporary disconnect, or one-way denial of outbound calls for an end user customer of the other Party by the receiving Party's switch, that Party will comply with a valid emergency request. However, neither Party shall be held liable for any claims or damages arising from compliance with such requests on behalf of the other Party's end user customer and the Party serving such end user customer agrees to indemnify and hold the other Party harmless against any and all such claims.

29 RELATIONSHIP OF THE PARTIES/INDEPENDENT CONTRACTOR

29.1 Each Party is an independent contractor.

29.2 Nothing contained herein shall constitute the Parties as joint venturers, partners, employees or agents of one another, and neither Party shall have the right or power to bind or obligate the other.

30 NO THIRD PARTY BENEFICIARIES; DISCLAIMER OF AGENCY

This Agreement is for the sole benefit of the Parties and their permitted assigns, and nothing herein expressed or implied shall create or be construed to create any Third Party beneficiary rights hereunder. This Agreement shall not provide any Person not a party hereto with any remedy, claim, liability, reimbursement, cause of action, or other right in excess of those existing without reference hereto.

31 ASSIGNMENT

31.1 Any assignment or delegation by either Party to any non-Affiliate entity of any right, obligation or duty, or of any other interest under this Agreement, in whole or in part, without the prior written consent of the other Party will be void. A Party assigning or delegating this Agreement or any right, obligation, duty or other interest under this Agreement to an Affiliate shall provide sixty (60) calendar days' prior written notice to the other Party. All obligations and duties of any Party under this Agreement will be binding

on all successors in interest and assigns of that Party. No assignment or delegation of this Agreement (in whole or part) will relieve the assignor of its obligations under this Agreement.

31.2 Intentionally Omitted.

31.3 If during the term, SBC Michigan sells, assigns or otherwise transfers any ILEC Territory or ILEC Assets to a person other than an Affiliate or subsidiary, SBC Michigan shall provide MCI_m not less than one hundred eighty (180) calendar days prior written notice of such sale, assignment or transfer. Upon the consummation of such sale, assignment or transfer, MCI_m acknowledges that SBC Michigan shall have no further obligations under this Agreement with respect to the ILEC Territories and/or ILEC Assets subject to such sale, assignment or transfer, and that MCI_m must establish its own Section 251 and 252 arrangement with the successor to such ILEC Territory and/or ILEC Assets, provided, however, that insofar as such sale, assignment or transfer affects MCI_m's interests pursuant to this Agreement SBC Michigan shall (i) comply with the requirements of Applicable Law and (ii) work cooperatively with MCI_m and the third party acquiring the ILEC Territory or ILEC Assets regarding the potential assignment of this Agreement (in whole or in part) to such third party. For purposes of this Section 31.3, "ILEC Territory" is defined as any specific operating areas, or portion thereof, in which SBC Michigan is deemed to be the ILEC under the Act and "ILEC Assets" is defined as assets that SBC Michigan owns or leases which are used in connection with SBC Michigan's provision to MCI_m of any Interconnection, resale services, Network Elements, functions, facilities, products or services provided or contemplated under this Agreement.

32 DELEGATION TO AFFILIATE

Each Party may without the consent of the other Party fulfill its obligations under this Agreement by itself or may cause its Affiliate(s) or a third party to take some or all of such actions to fulfill such obligations. In the event of any delegation to an Affiliate or a third party pursuant to this Section 32, the delegating Party shall remain fully liable for the performance of this Agreement in accordance with its terms. Any Party which elects to perform its obligations through an Affiliate or third party shall cause its Affiliate or any third party to take all action necessary for the performance of such Party's obligations hereunder. Each Party represents and warrants that if an obligation under this Agreement is to be performed by an Affiliate or third party, such Party has the authority to cause such Affiliate or third party to perform such obligation and such Affiliate or third party will have the resources required to accomplish the delegated performance. No contract, subcontract or other agreement entered into by either Party with any third party in connection with the provision of local services or Network Elements hereunder shall provide for any indemnity, guarantee, assumption of liability by, or other obligation of, the other Party to this Agreement with respect to such arrangement, except as consented to in writing by the other Party. No subcontractor shall be deemed a third party beneficiary for any purposes under this Agreement.

33 HAZARDOUS SUBSTANCES AND RESPONSIBILITY FOR ENVIRONMENTAL CONTAMINATION

33.1 Each Party will be solely responsible at its own expense for the proper handling, storage, transport, treatment, disposal and use of all Hazardous Substances by such Party and its contractors and agents. "Hazardous Substances" includes those substances:

33.1.1 included within the definition of hazardous substance, hazardous waste, hazardous material, toxic substance, solid waste or pollutant or contaminant under any Applicable Law, and

- 33.1.2 listed by any governmental agency as a hazardous substance.
- 33.2 MCIIm will in no event be liable to SBC Michigan for any costs whatsoever resulting from the presence or release of any environmental hazard, including Hazardous Substances, that MCIIm did not introduce to the affected work location. SBC Michigan will, at MCIIm's request, indemnify, defend and hold MCIIm and each of its officers, directors and employees harmless from and against any loss that arises out of or results from:
 - 33.2.1 Any environmental hazard that SBC Michigan, its contractors or agents introduce to the work locations, or
 - 33.2.2 The presence or release of any environmental hazard for which SBC Michigan is responsible under Applicable Law.
- 33.3 SBC Michigan will in no event be liable to MCIIm for any costs whatsoever resulting from the presence or release of any environmental hazard, including Hazardous Substances, that SBC Michigan did not introduce to the affected work location. MCIIm will (at SBC Michigan's request) indemnify, defend and hold SBC Michigan and each of its officers, directors and employees harmless from and against any loss that arises out of or results from:
 - 33.3.1 any environmental hazard that MCIIm, its contractors or agents introduce to the work locations, or
 - 33.3.2 the presence or release of any environmental hazard for which MCIIm is responsible under Applicable Law.

34 FORCE MAJEURE

Neither Party shall be responsible for delays or failures in performance of any part of this Agreement resulting from acts or occurrences beyond the reasonable control of such Party, including acts of nature, acts of civil or military authority, any law, order, regulation, ordinance of any Governmental Authority, embargoes, epidemics, terrorist acts, riots, insurrections, fires, explosions, earthquakes, nuclear accidents, hurricanes, floods, work stoppages, equipment failures, cable cuts, power blackouts, volcanic action, other major environmental disturbances, unusually severe weather conditions, inability to secure products or services of other persons or transportation facilities or acts or omissions of transportation carriers (individually or collectively, a "Force Majeure Event") or any other circumstances beyond the Party's reasonable control. If a Force Majeure Event shall occur, the Party affected shall give prompt notice to the other Party of such Force Majeure Event specifying the nature, date of inception and expected duration of such Force Majeure Event, whereupon such obligation or performance shall be suspended to the extent such Party is affected by such Force Majeure Event during the continuance thereof or, if appropriate, be excused from performance depending on the nature, severity and duration of such Force Majeure Event (and the other Party shall likewise be excused from performance of its obligations to the extent such Party's obligations relate to the performance so interfered with). The affected Party shall use its reasonable efforts to avoid or remove the cause of nonperformance and the Parties shall give like notice and proceed to perform with dispatch once the causes are removed or cease.

35 TAXES

- 35.1 The price for the Interconnection, Resale Services, Network Elements, Functions, Facilities, products and services under this Agreement (hereinafter "Product or Service"

or "Products or Services") is exclusive of all applicable Federal, state or local sales, use, excise, gross receipts, municipal fees, transfer, transaction or similar taxes, fees or surcharges (hereinafter "Tax" or "Taxes"). Each Party purchasing a Product or Service shall pay, or be responsible for, all Taxes imposed on the provision by the providing Party of the Product or Service, except for any Tax on or determined by the providing Party's corporate existence, status, income, franchise or property (which shall be borne solely by the providing Party), provided that such Tax is: (1) required or permitted by law to be collected from a purchaser of the Product or Service (2) is properly invoiced, and when required, as a separate line item; and (3) except as provided in Section 35.2(b), below, is invoiced at the same time as the associated charge for the Product or Service is invoiced.

- 35.2 (a) With respect to any purchase of a Product or Service: (1) if any Tax is required by Applicable Law to be collected from the purchasing Party by the providing Party, the providing Party shall bill the purchasing Party for such Tax; (2) if any Tax is permitted by Applicable Law to be collected from the purchasing Party by the providing Party, the providing Party may, at its option, bill the purchasing Party for such Tax. The purchasing party shall be required to pay all taxes billed the providing Party in accordance with the terms of this Section 35. The purchasing Party shall remit such collected Tax under (1) and (2) of this Section 35.2(a) to the providing Party; and (iii) the providing Party shall, to the extent required by law, remit such collected Tax to the applicable authority. Nothing shall prevent the providing Party from paying any Tax to the appropriate authority prior to the time: (1) it bills the purchasing Party for such Tax, or (2) it collects the Tax from the purchasing Party.
- 35.2 (b) Notwithstanding anything in this Agreement to the contrary, if the providing Party fails to timely bill the purchasing Party for any Tax that the purchasing Party is required to pay pursuant to this Agreement (unless the failure to bill timely was due to any actions or in-actions of the purchasing Party: (1) the providing Party shall be liable for any interest and penalties imposed on the late payment of the Tax, and (2) the purchasing Party shall be liable to the providing Party for and the providing Party may bill and collect any Tax so long as the Tax was: (A) assessed by or paid to an appropriate authority under any circumstances within one year of the date of the transaction; (B) assessed or paid as a result of an audit initiated by an appropriate authority within four (4) years from the date of the transaction. However, if the purchasing Party fails to pay any Taxes properly billed, then, the time limits (A) and (B) above shall not apply and as between the providing Party and the purchasing Party, the purchasing Party will be solely responsible for payment of the Taxes, penalty and interest.
- 35.3 With respect to any purchase hereunder of Products or Services that are resold to a third party, if the purchasing party provides a duly executed certificate of exemption to the providing Party, the providing Party shall exempt the purchasing Party from the applicable Taxes, in accordance with law.
- 35.4 Intentionally Omitted.
- 35.5 As between the providing Party and the purchasing Party, the purchasing Party shall indemnify the providing Party and be liable for any Tax due (and penalties and interest, if applicable), as well as any reasonable costs and expenses (not to exceed three thousand dollars (\$3,000) per event in the aggregate), on the purchasing party's sale of any service to a third party and shall indemnify and hold the providing Party harmless for such Tax. Such indemnification shall be conditioned upon the providing party giving the purchasing party notification of any proposed assessment of Tax, penalty or interest due by the providing Party. The notification required herein shall be provided within thirty (30)

days of receipt of notification by the providing party. If the providing party receives a notification calling for a response in more than ten (10) but less than thirty (30) days from the date of receipt, the providing party shall give notice to the purchasing party within 5 business days of receipt. If the providing party receives a notification calling for a response in more than five (5) days but less than ten (10) days of receipt, the providing party shall provide notice to the purchasing party within 48 hours of receipt. If the providing party receives a notification calling for a response within five (5) days of receipt, the providing party shall use its best efforts to extend the response time and, at the same time, dispatch notice to the providing party by telegram or overnight mail.

- 35.6 If either Party is audited by a taxing authority or other Governmental Authority, the other Party agrees to reasonably cooperate with the Party being audited in order to respond to any audit inquiries in a proper and timely manner so that the audit and/or any resulting controversy may be resolved expeditiously.
- 35.7 With respect to any Tax or Tax controversy covered by this Section 35, either Party is entitled to contest with the imposing jurisdiction, pursuant to Applicable Law and at its own expense, any Tax that it is ultimately obligated to pay or collect, or to seek refund of Taxes that it has previously paid. The Parties will cooperate in any such contest. Each Party will ensure that no lien is attached to any asset of the other Party as a result of any contest.
- 35.8 All notices, affidavits, exemption certificates or other communications required or permitted to be given by either Party to the other under this Section 35 shall be sent in accordance with Section 19, Notices, hereof.

36 NON-WAIVER

No waiver of any provision of this Agreement and no consent to any default under this Agreement shall be effective unless the same is in writing and properly executed by or on behalf of the Party against whom such waiver or consent is claimed. Waiver by either Party of any default by the other Party shall not be deemed a waiver of any other default. Failure of either Party to insist on performance of any term or condition of this Agreement or to exercise any right or privilege hereunder shall not be construed as a continuing or future waiver of such term, condition, right or privilege. No course of dealing or failure of any Party to strictly enforce any term, right, or condition of this Agreement in any instance shall be construed as a general waiver or relinquishment of such term, right or condition.

37 INTENTIONALLY OMITTED

38 INTENTIONALLY OMITTED

39 INTENTIONALLY OMITTED

40 CUSTOMER INQUIRIES

- 40.1 Unless otherwise required by this Agreement, each Party will refer all questions regarding the other Party's services or products directly to the other Party at a telephone number specified by that Party.
- 40.2 Each Party will ensure that all of its representatives who receive inquiries regarding the other Party's services:

40.2.1 Provide the number described in Section 40.1 to callers who inquire about the other Party's services or products; and

40.2.2 Do not in any way disparage or discriminate against the other Party or its products or services.

40.3 Except as otherwise provided in this Agreement, MCIIm shall be the primary point of contact for MCIIm's end user customers with respect to the services MCIIm provides such end user customers.

40.4 **Customer Contact.** MCIIm will provide the exclusive interface to MCIIm end user customers, except as MCIIm may otherwise specify. When MCIIm requires SBC Michigan personnel or systems to interface with MCIIm end user customers, the SBC Michigan personnel shall identify themselves as representing MCIIm, or any brand as MCIIm may specify, and shall not identify themselves as representing SBC Michigan or any other entity.

41 EXPENSES

41.1 Except as expressly set forth in this Agreement, each Party will be solely responsible for its own expenses involved in all activities related to the matters covered by this Agreement.

42 CONFLICT OF INTEREST

Each Party represents that it has paid nothing of value to the other Party's agents to influence those agents in connection with the negotiation of this Agreement.

43 SURVIVAL

The Parties' obligations under this Agreement which by their nature are intended to continue beyond the termination or expiration of this Agreement (or to be performed after) shall survive the termination or expiration of this Agreement. Without limiting the general applicability of the foregoing, the following terms and conditions of the General Terms and Conditions are specifically agreed by the Parties to continue beyond the termination or expiration of this Agreement: Indemnification, Confidential Information, Limitation of Liability, and any liability or obligations of a Party for acts or omissions prior to the expiration or termination of this Agreement.

44 INTENTIONALLY OMITTED

45 AMENDMENTS AND MODIFICATIONS

45.1 No provision of this Agreement shall be deemed amended or modified by either Party unless such an amendment or modification is in writing, dated, and signed by an authorized representative of both Parties. The rates, terms and conditions contained in the amendment shall become effective upon approval of such amendment by the Commission.

45.2 Neither Party shall be bound by any preprinted terms additional to or different from those in this Agreement that may appear subsequently in the other Party's form documents, purchase orders, quotations, acknowledgments, invoices or other communications.

46 INTENTIONALLY OMITTED

47 INTENTIONALLY OMITTED

48 AUTHORITY

48.1 SBC Michigan represents and warrants that it is a corporation duly organized, validly existing and in good standing under the laws of the state of Michigan. SBC Michigan represents and warrants that SBC Telecommunications, Inc. has full power and authority to execute and deliver this Agreement as agent for SBC Michigan. SBC Michigan represents and warrants that it has full power and authority to perform its obligations hereunder.

48.2 MCIIm represents that it is a corporation duly organized, validly existing and in good standing under the laws of the State of Delaware and has full power and authority to execute and deliver this Agreement and to perform its obligations hereunder. MCIIm represents that it is certified as a LEC by the Commission prior to submitting any orders hereunder and is authorized to provide the Telecommunications Services contemplated hereunder in the territory contemplated hereunder prior to submission of orders for such service.

49 COUNTERPARTS

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

50 ENTIRE AGREEMENT

The terms contained in this Agreement and all Appendices, Attachments, Exhibits, Schedules, and Addenda constitute the entire agreement between the Parties with respect to the subject matter hereof, superseding all prior understandings, proposals and other communications, oral or written.

51 INTENTIONALLY OMITTED

52 INTENTIONALLY OMITTED

53 INTENTIONALLY OMITTED

54 PURCHASING FROM TARIFFS

If SBC Michigan has approved tariffs on file for interconnection or wholesale services, MCIIm may purchase services from SBC Michigan from this interconnection agreement, the approved tariffs, or both in MCIIm’s sole discretion. MCIIm shall notify SBC Michigan when MCIIm is ordering from the tariff, otherwise the contract rates, terms and conditions will apply.

**MCIMETRO ACCESS TRANSMISSION
SERVICES LLC**

Signature: Marcel Henry

Name: Marcel Henry

Title: Vice President

Date: 12/2/03

MICHIGAN BELL TELEPHONE COMPANY
By SBC Telecommunications, Inc.,
Its authorized agent

Signature: Mike Auinbauh

Name: Mike Auinbauh
(Print or Type)

Title: President - Industry Markets
(Print or Type)

Date: DEC 3 2003

GENERAL DEFINITIONS

For purposes of this Agreement, certain terms have been defined in this Appendix and elsewhere in this Agreement to encompass meanings that may differ from, or be in addition to, the normal connotation of the defined word. Unless the context clearly indicates otherwise, any term defined or used in the singular shall include the plural. The words “shall” and “will” are used interchangeably throughout this Agreement and the use of either connotes a mandatory requirement. The use of one or the other shall not mean a different degree of right or obligation for either Party. A defined word intended to convey its special meaning is capitalized when used. Other terms that are capitalized, and not defined in this Agreement, shall have the meaning set forth in the Act, unless the context clearly indicates otherwise. The definitions contained in this Appendix are meant to accurately describe the meaning accorded the term as required by the Act and as used in this Agreement. In the event of any disagreement between a definition of the term in the Act, in this Appendix, or in any other part of the Agreement (including the Attachments), the definition in the Act shall supersede any definition in the Agreement or Appendices, and any specific definition in an Appendix other than this Appendix shall supersede the definition in this Appendix. Throughout this Agreement and its Appendices, various diagrams are used. The diagrams are illustrative only, and, in the event of any disagreement between the diagram and the words of this Agreement, the words of this Agreement shall control.

“Act” means the Communications Act of 1934 [47 U.S.C. 151 et seq.], as amended by the Telecommunications Act of 1996, codified throughout 47 U.S.C.

“Access Service Request” (ASR) is an industry standard form and supporting documentation used by the Parties to order Switched Access Service and/or to add, establish, change or disconnect Trunks for the purposes of Interconnection.

“Advanced Intelligent Network” or “AIN” is a Telecommunications network architecture in which call processing, call routing and network management are provided by means of centralized databases.

“Affiliate” is as defined in the Act.

“Alliance for Telecommunications Industry Solutions” (ATIS) is a North American telecommunication industry standards forum which, through its committees and working groups, creates and publishes standards and guidelines designed to enable interoperability for telecommunications products and services. ATIS Standards and Guidelines, as well as the standards of other industry fora, are referenced herein as baseline requirements documentation.

“Alternate Billing Service” (ABS) means a service that allows end user customers to bill calls to accounts that may not be associated with the originating line. There are three types of ABS calls: calling card, collect and third number billed calls.

“Applicable Law” means all federal, state and local statutes, laws, rules, regulations, ordinances, codes, guidelines, orders and decisions of courts of competent jurisdiction that relate to a Party’s obligations under this Agreement.

“Automated Message Accounting” (AMA) is a structure inherent in switch technology that initially records Telecommunication message information. AMA format is contained in the Automated Message Accounting document published by Telcordia (formerly known as Bellcore) as GR-1100-CORE, which defines and amends the industry standard for message recording.

“Automatic Number Identification” or (ANI) identifies the telephone number associated with the line from which a call originates. ANI usually identifies the same number as the Calling Party Number (CPN).

“Automatic Route Selection” (ARS) is a service feature that provides for automatic selection of the least expensive or most appropriate transmission facility for each call based on criteria programmed into a circuit switch routing table or system.

“Billing” involves the provision of appropriate usage data by one Telecommunications Carrier to another to facilitate end user customer Billing with attendant documentation. It also involves the exchange of information between Telecommunications Carriers to process claims and adjustments.

“Billed Number Screening” (BNS) means a validation of Toll Billing Exception (TBE) data and performance of public telephone checks; i.e., determining if a billed line is a public (including those classified as semi-public) telephone number.

“Business Day” means Monday through Friday, excluding holidays in which banks and government offices are closed.

“Calling Party Number” (CPN) means a Common Channel Signaling (CCS) parameter, as for example a Signaling System 7 (SS7) parameter, whereby the ten (10) digit number or other number of the calling Party is forwarded from the End Office through the network.

“Carrier” see Telecommunications Carrier.

“Carrier Access Billing System” (CABS) is defined in a document prepared under the direction of the Billing Committee of the Ordering and Billing Forum (OBF) of ATIS. The CABS document is published by Telcordia Technologies in Volumes 1, 1A, 2, 3, 3A, 4 and 5 as Special Reports SR-OPT-001868, SR-OPT-001869, SR-OPT-001871, SR-OPT-001872, SR-OPT-001873, SR-OPT-001874, and SR-OPT-001875, respectively, and contains the recommended guidelines for the Billing of switched access service and other connectivity issues.

“Central Office” means a building or space within a building where transmission facilities or circuits are connected or switched.

“Centrex” means a Telecommunications Service that uses Central Office switching equipment for call routing to handle direct dialing of calls, and to provide many private branch exchange-like, features.

“Collocation” is as described by Applicable Law.

“Commercial Mobile Radio Service” (CMRS) is as defined in the Act.

“Commission” or “MPSC” means the Michigan Public Service Commission.

“Common Channel Signaling” (CCS) means a method of exchanging call set-up and network control data over a digital signaling network used to transport supervision signals, control signals and data messages. It is a special network, fully separate from the transmission path of the public switched network that carries the actual call. Unless otherwise agreed by the Parties, the preferred CCS protocol used by the Parties shall be SS7.

“Common Language Location Identifier” (CLLI) codes provide a unique 11-character representation of a network interconnection point. The first 8 characters identify the city, state and building location, while the last 3 characters identify the network component.

“Communications Assistance for Law Enforcement Act” (CALEA) refers to the duties and obligations of Carriers to assist law enforcement agencies by intercepting communications and records, and installing pen registers and trap and trace devices.

“Competitive Local Exchange Carrier” (CLEC) is any Local Exchange Carrier certified to provide Local Exchange Telecommunications Service in any area where it is not an Incumbent Local Exchange Carrier.

“Conduit” means a tube or other similar enclosure that may be used to house copper, fiber or coaxial communications cables or communications-related power cables. Conduits may be underground or above ground (for example, inside buildings) and may contain one or more inner ducts. An inner duct is a separate tube or enclosure within a Conduit.

“Control Office” is the operations center or office designated by either Party as its single point of contact for the provisioning and maintenance of its portion of this Agreement.

“Coordinated Cutover” means the coordination of all cutover activities that may be associated with porting of a telephone number from the old service provider to the new service provider, which coordination may include, but not limited to, notification of when the old service provider starts the cutover and finishes the cutover, coordination of testing, and working with the new service provider to ensure that the cutover is properly performed and completed.

“Cross Connection” means an intra-Wire Center channel of the appropriate bandwidth and media, connecting separate pieces of Telecommunications Equipment, including jumpers and intraoffice cables.

“Customer Usage Data” means the Telecommunications Services usage data of an end user customer measured in minutes, sub-minute increments, message units, or otherwise, that is recorded by one Party and forwarded to the other Party.

“Custom Local Area Signaling Service Features” (CLASS) means certain call-management service features available to end user customers within a Local Access and Transport Area (“LATA”), including but not limited to: Automatic Call Back; Automatic Recall; Call Trace; Calling Number Delivery; Customer Originated Trace; Distinctive Ringing/Call Waiting; Selective Call Forward; and Selective Call Rejection.

“Desired Due Date” means the desired service activation date as requested by MCI on a service order.

“Dialing Parity” is as defined in the Act.

“Digital Signal Level” is one of several transmission rates in the time-division multiplex hierarchy.

“Digital Signal Level 0” (DS-0) is the 64 Kbps zero-level signal in the time-division multiplex hierarchy.

“Digital Signal Level 1” (DS-1) is the 1.544 Mbps first-level signal in the time-division multiplex hierarchy. In the time-division multiplexing hierarchy of the telephone network, DS-1 is the initial level of multiplexing.

“Digital Signal Level 3” (DS-3) is the 44.736 Mbps third-level signal in the time-division multiplex hierarchy. In the time-division multiplexing hierarchy of the telephone network, DS-3 is defined as the third level of multiplexing.

“End Office Switch” or “End Office” means a Switch that directly terminates traffic to and receives traffic from local exchange service customers. An End Office Switch does not include a PBX.

“Enhanced Service Provider” (ESP) is a provider of enhanced services as those services are defined in the Act.

“Exchange Access” is as defined in the Act.

“Exchange Message Interface” (EMI) (formerly Exchange Message Record - EMR) is the standard used for exchange of Telecommunications message information among Telecommunications Carriers for billable, non-billable, sample, settlement and study data. EMI format is contained in Telcordia Practice BR-010-200-010, CRIS Exchange Message Record.

“Exchange Service” means Telephone Exchange Service, as defined in the Act.

“Feature Group D” or “FGD” is access available to all customers, providing Trunk side access to a Party’s End Office Switches with an associated uniform 101XXXX access code for Customer use in originating and terminating communications.

“Governmental Authority” means any federal, state or local, court, government, department, commission, board, bureau, agency, official or other regulatory, administrative, legislative or judicial authority with jurisdiction over the subject matter at issue.

“Group Record” means information in LIDB and/or the LIDB administrative system that is common to all telephone numbers in an NPA-NXX or all special billing numbers in an NPA-0/1XX.

“Incumbent Local Exchange Carrier” (ILEC) is as defined in the Act.

“Integrated Digital Loop Carrier” or “IDLC” means a subscriber loop carrier system that is twenty-four (24) local Loop transmission paths combined into a 1.544 Mbps digital signal which integrates within the switch at a DS1 level.

“Integrated Services Digital Network” (ISDN) means a digital circuit switched network service. Basic Rate Interface-ISDN (BRI-ISDN) provides for a digital channelized transmission of two 64 Kbps bearer channels and one 16 Kbps data channel (2B+D) end-to-end digital connectivity for the transmission of voice or data on either or both bearer channels and packet data on the data channel. Primary Rate ISDN provides for 23 bearer channels and 1 data channel. For BRI, the bearer channels operate at 64 Kbps and the data channel at 16 Kbps. For PRI, all 24 channels operate at 64 Kbps or 1.5 Mbps.

“Interconnection” is as defined in the Act.

“Interexchange Carrier” (IXC) means a Telecommunication Carrier that provides interLATA or intraLATA Telephone Toll Services.

“InterLATA” is as defined in the Act.

“Interlata Traffic” describes Telecommunications between a point located in a Local Access and Transport Area (LATA) and a point located outside such area.

“Intralata Toll Traffic” describes IntraLATA Traffic between two locations within one LATA where one of the locations lies outside the local calling area defined by the Commission.

“Local Access Transport Area” (LATA) is as defined in the Act.

“Local Exchange Carrier” (LEC) is as defined in the Act.

“Local Exchange Routing Guide” (LERG) is a Telcordia Reference document used by Telecommunications Carriers to identify NPA-NXX routing and homing information as well as network Element and equipment designations.

“Local Routing Number” (LRN) is a ten (10) digit number that is assigned to the network switching elements (Central Office – Host and Remotes as required) for the routing of calls in the network. The first six (6) digits of the LRN will be one of the assigned NPA NXX of the switching element. The purpose and functionality of the last four (4) digits of the LRN have not yet been defined but are passed across the network to the terminating switch.

“Local Service Ordering Guide” (LSOG) is a document developed by the OBF to establish industry-wide ordering and billing processes.

“Local Service Request” (LSR) means the industry standard forms and supporting documentation used for ordering local services.

“Main Distribution Frame” (MDF) means the distribution frame of the Party providing the loop used to Interconnect cable pairs and line and trunk equipment terminals.

“MECAB” refers to the Multiple Exchange Carrier Access Billing document developed by the Billing Committee of the Alliance for Telecommunications Industry Solutions’ (ATIS) Ordering and Billing Forum (OBF). The MECAB document, published by ATIS as ATIS/OBF-MECAB- Issue 7, February 2001, contains the recommended guidelines for the billing of access and interconnection services provided to a customer by two or more providers or by one provider in two or more states within a single LATA.

“MECOD” refers to the Multiple Exchange Carriers Ordering and Design (MECOD) Guidelines for Access Services document developed by the Interconnection Services Ordering & Provisioning (ISOP) Committee of the Alliance for Telecommunications Industry Solutions’ (ATIS) Ordering and Billing Forum (OBF). The MECOD document, published by ATIS as ATIS/OBF-MECOD-Issue 5, February 2002, establishes methods for processing orders for access service which is to be provided to an Interexchange Carrier (IC) by two or more Exchange Carriers (ECs).

“Meet Point” is a point of Interconnection between two networks, designated by two Telecommunications Carriers, at which one carrier’s responsibility for service begins and the other carrier’s responsibility ends.

“Meet-Point Billing” (MPB) refers to the billing arrangement whereby two or more Telecommunications Carriers jointly provide Switched Exchange Access Service to an IXC, with each LEC billing the IXC its tariffed rate for the portion of Switched Exchange Access Service it provided to the IXC.

“Network Data Mover” (NDM) is an industry standard protocol for the electronic transfer of information.

“Network Element” is as defined in the Act.

“North American Numbering Plan” (NANP) A numbering architecture employed in the United States, Canada and certain Caribbean countries in which every station in the NANP Area is identified by a unique ten-digit address consisting of a three-digit NPA code, a three digit central office code of the form NXX, and a four-digit line number of the form XXXX.

“Numbering Plan Area” (NPA) also called area code. An NPA is the 3-digit code that occupies the A, B, C positions in the 10-digit NANP format that applies throughout the NANP Area. NPAs are of the form NXX, where N represents the digits 2-9 and X represents any digit 0-9. In the NANP, NPAs are classified as either geographic or non-geographic. a) Geographic NPAs are NPAs which correspond to discrete geographic areas within the NANP Area. b) Non-geographic NPAs, also known as a “Service Access Codes” (SAC Codes) are NPAs that do not correspond to discrete geographic areas, but which are instead assigned for services with attributes, functionalities, or requirements that transcend specific geographic boundaries. The common examples of non-geographic NPAs in the N00 format include 500, Toll Free Service NPAs, 700, and 900.

“Number Portability Administration Center” (NPAC) means one of the seven regional number portability centers involved in the dissemination of data associated with ported numbers. The NPACs were established for each of the seven, original Bell Operating Company regions so as to cover the 50 states, the District of Columbia and the U.S. territories in the North American Numbering Plan area.

“NXX” or “Central Office Code” is the three-digit switch entity indicator that is defined by the fourth through sixth digits of a 10-digit telephone number within the NANP. Each NXX Code contains 10,000 station numbers.

“Originating Point Code” (OPC) means a code assigned to identify CLEC’s system(s) that originate SS7 messages, including LIDB Service Queries.

“Parity” means the provision of a service or access to service that is at least equal in quality, timing, priority, functionality and capabilities to that which SBC Michigan provides itself, its customers, subsidiaries, Affiliates or any third party.

“Party” means either SBC Michigan or MCI. “Parties” means both SBC Michigan and MCI.

“Plain Old Telephone Service” (POTS) means basic telephone service.

“Public Switched Network” or “Public Switched Telecommunications Network” (PSTN) includes all switches and transmission facilities, provided by any Telecommunications Carriers that use the NANP in connection with the provision of Telecommunications Services.

“Rate Center” means the specific geographic area that has been designated by a given LEC as being associated with a particular NPA-NXX code that has been assigned to the LEC for its provision of Telephone Exchange Service. The Rate Center is the finite geographic point identified by a specific V&H coordinate, which is used by that LEC to measure, for billing purposes, distance sensitive transmission services associated with the specific Rate Center.

“Rating Point” means the V&H coordinates associated with a particular telephone number for rating purposes.

“Remote Terminal” or “RT” means a controlled environmental vault, hut, or cabinet, which may or may not contain fiber fed digital loop carrier (DLC).

“Service Management System” (SMS) means an off-line system used to access, create, modify or update information in a database.

“Signaling System 7” (SS7) means a signaling protocol used by the CCS network.

“Switch” means a mechanical, electrical or electronic device which opens and closes circuits, completes or breaks an electrical path, or select paths or circuits.

“Switched Exchange Access Service” means the offering of transmission or switching services to Telecommunications Carriers for the purpose of the origination or termination of Telephone Toll Service. Switched Exchange Access Services include, but are not limited to, Feature Group A, Feature Group B, Feature Group D, 800/888 access, and 900 access and their successors and/or similar Switched Exchange Access Services.

“Synchronous Optical Network” (SONET) is an optical interface standard that allows inter-networking of transmission products from multiple vendors. The base rate is 51.84 Mbps (“OC-1/STS-1”) and higher rates are direct multiples of the base rate, up to 13.22 Gbps.

“Tandem Office Switch” or “Tandem” means a Switch used to connect and switch Trunk circuits between and among other Central Office Switches. A Tandem Switch does not include a PBX.

“Technically Feasible”, including burden of proof, is as defined in applicable FCC regulations and Applicable Law.

“Telecommunications” is as defined in the Act.

“Telecommunications Carrier” is as defined in the Act.

“Telecommunications Equipment” is as defined in the Act.

“Telecommunications Service” is as defined in the Act.

“Telephone Exchange Service” is as defined in the Act.

“Telephone Toll Service” is as defined in the Act.

“TELRIC” means Total Element Long-Run Incremental Cost.

“TSLRIC” means Total Service Long-Run Incremental Cost as defined by the Michigan Public Service Commission.

“Third Party” means any person other than a Party.

“Toll Free Service” is service provided with any dialing sequence that invokes toll-free, 800-like, service processing (e.g., 800 or 800-like services). Toll Free Service includes, but is not limited to, calls placed to 800/888 NPA Service Access Codes (SAC).

“Trunk” means a communication line connecting two switching systems.

“Wire Center” means the physical structure where SBC Michigan terminated subscriber outside cable plant (i.e. their local lines) with the necessary testing facilities to maintain them. This is usually the same location as a Class 5 central office. A Wire Center might have one or several Class 5 central offices, also called public exchanges or simply switches.

BONA FIDE REQUEST (“BFR”) PROCESS

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1 GENERAL CONDITIONS

- 1.1 *Unless another procedure or process is specifically prescribed elsewhere in this Agreement or by order of the Commission, this schedule shall govern the submission of requests by MCI to SBC Michigan for methods of interconnection, access to Unbundled Network Elements (including Combinations thereof), or customized services that are not otherwise addressed in this Agreement at the time of such request. This Bona Fide Request (“BFR”) process applies to each Bona Fide Request submitted to SBC Michigan.
- 1.2 If a Party to a Bona Fide Request believes that the other Party is not requesting, negotiating, or processing the Bona Fide Request in good faith, or disputes a determination, or price or cost quote, or is failing to act in accordance with the Act, such Party may exercise its rights under the Dispute Escalation and Resolution sections of this Agreement or may otherwise seek mediation by the Commission, including the use of any expedited procedures, pursuant to Section 252 of the Act, after giving the other Party written notice at least five (5) calendar days in advance of invoking the Dispute Escalation and Resolution .

2 BFR APPLICATION FORM

- 2.1 A Bona Fide Request must be submitted with a BFR Application Form as that form is set forth on <https://clec.sbc.com/clec/>. Included with the Application MCI shall provide a technical description of each BFR Item, drawings when applicable, the location(s) where needed, the date required, and the projected quantity to be ordered with a non-binding three (3) year forecast.

3 RESPONSIBILITIES OF THE PARTIES

- 3.1 *SBC Michigan shall promptly consider and analyze the submission of a Bona Fide Request from MCI for : (a) a method of Interconnection or access to an unbundled Network Element (including Combinations thereof) not otherwise provided hereunder at the time of such request; (b) a method of Interconnection or access to an unbundled Network Element (including Combinations thereof) that is different in quality to that which SBC Michigan provides itself at the time of such request; or (c) a customized service for features, capabilities, functionalities or an unbundled Network Element or Network Element Combination not otherwise provided hereunder at the time of such request. Items (a), (b) and (c) above may be referred to as a “BFR Item”.
- 3.2 MCI may cancel a Bona Fide Request at any time by written notice to SBC Michigan, but will pay SBC Michigan, as specified below, for reasonable costs incurred by SBC in its preparation of the Preliminary Analysis or BFR Quote, up to the date of SBC Michigan’s receipt of the cancellation.
- 3.3 **Analysis of the BFR**
- 3.3.1 MCI is responsible for the reasonable costs incurred by SBC Michigan to prepare the Preliminary Analysis of MCI’s BFR. When submitting a BFR Application Form, MCI has two options to compensate SBC Michigan for its costs incurred to complete the Preliminary Analysis of the BFR:

- 3.3.1.1 Include with its BFR Application Form a Deposit, which Deposit will be in the amount of two thousand dollars (\$2,000), unless a different BFR deposit amount applicable to this Agreement has been established by the Commission, to cover SBC Michigan's preliminary evaluation costs, in which case SBC Michigan may not charge MCI_m in excess of the Deposit to complete the Preliminary Analysis; or
 - 3.3.1.2 Not make the Deposit in which case MCI_m shall be responsible for all reasonable costs incurred by SBC Michigan to complete the Preliminary Analysis (regardless of whether such costs are greater or less than the Deposit amount).
 - 3.3.2 If MCI_m submits a Deposit with its BFR, and SBC Michigan is not able to process the BFR or determines that the BFR does not qualify for BFR treatment, then SBC Michigan will return the Deposit to MCI_m. Similarly, if the costs incurred to complete the Preliminary Analysis are less than the Deposit amount, the balance of the Deposit will, at the option of MCI_m, either be refunded or credited toward additional developmental costs authorized by MCI_m. If MCI_m cancels the BFR prior to completion of the Preliminary Analysis and a Deposit has been made by MCI_m, and the reasonable costs are less than the Deposit amount, the remaining balance of the Deposit will be returned to MCI_m.
 - 3.3.3 SBC Michigan will promptly consider and analyze each BFR it receives. Within ten (10) Business Days of its receipt, SBC Michigan shall acknowledge in writing or by facsimile receipt of the Bona Fide Request and in such acknowledgement advise MCI_m of the need for any further information needed to process the Request. If deemed necessary by either of the Parties, a meeting will be convened within five (5) Business Days, or as otherwise mutually agreed, of MCI_m's receipt of the BFR acknowledgement at which the Parties will come to agreement on all additional information needed to process the BFR. MCI_m will provide an updated BFR application to include the additional information. MCI_m acknowledges that the time intervals set forth in this Schedule begin once SBC Michigan has received a complete and accurate BFR Application Form and, if applicable, the Deposit amount.
 - 3.3.4 Within thirty (30) calendar days of its receipt of a complete and accurate Bona Fide Request, SBC Michigan shall provide to MCI_m a Preliminary Analysis of the BFR Item (the "Preliminary Analysis"). The Preliminary Analysis shall respond in one of the following ways:
 - 3.3.4.1 indicate that SBC Michigan will provide the BFR Item; or
 - 3.3.4.2 provide a detailed explanation that access to such BFR Item is not technically feasible and/or that the request does not qualify as one that is required to be provided under the Act; or that the BFR is not the correct process for the request.
- 3.4 Bona Fide Request Quote
 - 3.4.1 If the Preliminary Analysis indicates that SBC Michigan will provide the BFR Item, MCI_m may, at its discretion, provide written authorization for SBC Michigan to prepare a "BFR Quote". The BFR Quote shall, as

applicable, include: (i) the first date of availability, (ii) installation intervals, (iii) applicable rates (recurring, nonrecurring and other), (iv) BFR development and processing costs (v) terms and conditions by which the Request shall be made available, and (vi) any other information SBC Michigan deems relevant to MCI's request for the BFR Item.

3.4.1.1 MCI's written authorization to develop the BFR Quote must be received by SBC Michigan within thirty (30) calendar days of MCI's receipt of the Preliminary Analysis. If no authorization to proceed is received within such thirty (30) calendar day period, the BFR will be deemed canceled, subject to MCI's obligation to pay SBC Michigan's reasonable costs incurred for the Preliminary Analysis as set forth herein. Any request by MCI for SBC Michigan to proceed with the preparation of the BFR Quote received after the thirty (30) calendar day window will require MCI to submit a new BFR.

3.4.1.2 As soon as feasible, but not more than thirty (30) (calendar) days after its receipt of authorization to prepare the BFR Quote, SBC Michigan shall provide to MCI a BFR Quote.

3.4.2 Within thirty (30) days of its receipt of the Bona Fide Request Quote, MCI must either confirm its order for the BFR Item pursuant to the Bona Fide Request Quote or cancel the Bona Fide Request and reimburse SBC Michigan for its reasonable costs incurred in the preparation of the BFR Quote. If MCI believes SBC Michigan's BFR Quote is inconsistent with the requirements of the Act, it may exercise its rights under the Dispute Escalation and Resolution sections of the Agreement. If, SBC Michigan does not receive notice of confirmation or cancellation of the BFR within such thirty (30) calendar day period, the BFR shall be deemed canceled and MCI will reimburse SBC Michigan for its reasonable costs incurred in preparing the BFR Quote.

4 PRICES

4.1 Unless MCI agrees otherwise, all prices and costs quoted or invoiced herein shall be consistent with the pricing principles of the Act, the FCC and/or the Commission.

CNAM DATABASE

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1 INTRODUCTION

- 1.1 This Appendix sets forth terms and conditions for which SBC Michigan provides MCIIm access to its Calling Name (“CNAM”) Database.
- 1.2 Intentionally Omitted.
- 1.3 Intentionally Omitted.

2 DEFINITIONS

- 2.1 Defined terms used in this Appendix CNAM shall have the same meaning as set forth in Section 2 of Appendix LIDB of this Agreement.
- 2.2 “Calling Name Information” means a Telecommunications Carrier’s records of its end user customers names associated with one or more assigned ten-digit telephone numbers.

3 UNBUNDLED NETWORK ELEMENT

- 3.1 CNAM must be provided as an Unbundled Network Element (“UNE”). SBC Michigan shall provide full or download access to the CNAM database in addition to access on a per-query basis, at cost-based rates.

4 CALLING NAME (CNAM) DATABASE

- 4.1 The CNAM Database contains subscriber information (including name and telephone number) used to show the customer name of an incoming call on a display attached to the telephone. A Calling Name Database may be part of, or separate from, a LIDB. SBC Michigan shall provide MCIIm with access to SBC Michigan’s CNAM Database.
- 4.2 Intentionally Omitted.
- 4.3 Intentionally Omitted.
- 4.4 MCIIm can obtain routing information for the CNAM Information contained in SBC Michigan’s CNAM Database (including identification of the provider of local service) from the following National routing guides: Calling Name Access Routing Guide (CNARG) and Number Portability Administration Center (NPAC).
- 4.5 Intentionally Omitted.
- 4.6 Intentionally Omitted.
- 4.7 Intentionally Omitted.
- 4.8 Intentionally Omitted.
- 4.9 Intentionally Omitted.

- 4.10 When MCIIm accesses the CNAM database on a per query basis, SBC Michigan will provide CNAM information to MCIIm as set forth in GR-1188-CORE. CNAM information contained in SBC Michigan's CNAM Database is set forth in GR-1158-CORE. SBC Michigan will administer CNAM information using the formats set forth in GR-446-CORE.

5 CNAM DOWNLOADS

- 5.1 For the price and process applicable to CNAM Downloads, see M.P.S.C. Tariff No. 20R, Part 19, Section 4.

6 INTENTIONALLY OMITTED

7 USE OF CNAM INFORMATION

- 7.1 MCIIm may use the CNAM information provided pursuant to this Appendix to provide any Telecommunications Service to its end user customers. CNAM information may be combined with any other Network Element(s) for the provision of any Telecommunications Service. SBC Michigan shall not impose any limitations, restrictions, or requirements on requests for, or the use of, CNAM information that would impair the ability of MCIIm to offer any Telecommunications Service in the manner MCIIm intends.

8 LIMITATION OF LIABILITY

- 8.1 In no event shall SBC Michigan have any liability for system outage or inaccessibility, or for losses arising from the unauthorized use of the data by CNAM Service purchasers.
- 8.2 SBC Michigan is furnishing access to its CNAM to facilitate MCIIm's provision of services to its end user customers, but not to insure against the risk of non-completion of any call. While SBC Michigan agrees to make every reasonable attempt to provide accurate CNAM information, the Parties acknowledge that Calling Name Information is the product of routine business service order activity and/or fraud investigations. MCIIm acknowledges that SBC Michigan can furnish Calling Name Information only as accurate and current as the information has been provided to SBC Michigan for inclusion in its CNAM Database. Therefore, SBC Michigan, in addition to the limitations of liability set forth, is not liable for inaccuracies in Calling Name Information provided to MCIIm or to MCIIm's Query originating carrier customers except for such inaccuracies caused by SBC Michigan's willful misconduct or gross negligence.
- 8.3 SBC Michigan's liability to MCIIm for CNAM database fraud, system outages or inaccessibility shall be limited to MCIIm's direct damages, provided, however, that unauthorized acts of SBC Michigan employees that caused harm to MCIIm shall not be subject to the limitations of this section and shall be determined on a case-by-case basis. SBC Michigan shall not be liable to MCIIm for unauthorized use of CNAM database information by MCIIm or other third-party database users.
- 8.4 Intentionally omitted.
- 8.5 MCIIm acknowledges that certain federal and/or state regulations require that local exchange telephone companies make available to their subscribers the ability to block the delivery of their telephone number and/or name information to the terminating telephone when the subscriber originates a telephone call. This blocking can either be on a call-by-call basis or on an every call basis. Similarly, a party utilizing blocking services can unblock on a call-by-call or every call basis.

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1 COLLOCATION TERMS

SBC Michigan shall provide, and MCIIm agrees to purchase, Collocation in accordance with the requirements of the version of Michigan Tariff 20R, Part 23, Section 4: "Collocation Services," (the "Tariff") attached to this Appendix Collocation as Attachment 1 and incorporated by this reference. The Parties agree that any changes to the Tariff made by SBC Michigan and filed with the Commission shall not affect the terms, conditions or prices of this Appendix Collocation unless the Agreement is amended in accordance with the requirements of Section 23 of the general terms and conditions (Intervening Law).

2 Intentionally Omitted

3 Intentionally Omitted

4 Intentionally Omitted

5 Intentionally Omitted

ATTACHMENT 1

Directory Assistance Listing Information (DALI)

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1 INTRODUCTION

- 1.1 Intentionally Omitted.
- 1.2 Intentionally Omitted.
- 1.3 Intentionally Omitted.
- 1.4 Intentionally Omitted.
- 1.5 The prices at which SBC Michigan agrees to provide MCIIm with Directory Assistance Listing Information (DALI) are contained in the applicable Appendix Pricing.

2 GENERAL TERMS AND CONDITIONS

- 2.1 Directory Assistance Listing Information (“DALI”) means the following: subscriber records used to populate and maintain SBC Michigan’s database used to provide directory assistance: the last name, first name, street number, street name, community, zip code and telephone number of SBC Michigan’s telephone exchange service subscribers located in the State of Michigan. DALI shall also include updates. SBC Michigan shall use commercially reasonable efforts to provide MCIIm with a complete copy of the DALI including all names, addresses, telephone number of listed residential and/or business and government telephone service subscribers located in the State of Michigan and of those telecommunications carriers including incumbent local exchange companies, competitive local exchange carriers and Independent Telephone Companies in Michigan who have not objected to disclosure of such information in accordance with applicable law.
- 2.2 Where technically feasible, SBC Michigan will provide Dialing Parity Directory Listings in SBC Michigan (herein after collectively referred to as DAL):
 - 2.2.1 SBC Michigan owns and maintains the database containing directory assistance listing information.
 - 2.2.2 Inasmuch as SBC Michigan provides DA service under contract for other Telecommunications Carriers, SBC Michigan’s database also contains directory assistance listing information for other Telecommunication Carriers’ end user customers.
 - 2.2.3 SBC Michigan agrees to provide DALI under the following terms and conditions:
 - 2.2.3.1 The data will be received from SBC Michigan via Network Data Mover (“NDM”) listed by NPA.
 - 2.2.4 Upon request, but no later than sixty (60) days after receipt of initial load request, SBC Michigan shall provide DALI to MCIIm in a mutually acceptable format and mode. Consent regarding format and mode shall not be unreasonably withheld.
 - 2.2.5 On a daily basis, SBC Michigan shall provide updates. Updates shall be current as of the provision date.
 - 2.2.6 Upon request, SBC Michigan shall provide a complete refresh of DALI via electronic data transfer as soon as possible, but no later than forty-five (45) calendar days after the receipt of the request.

3 UNBUNDLED NETWORK ELEMENT

- 3.1 Subject to the Intervening Law requirements in the General Terms and Conditions the Parties agree that, in accordance with the requirements of MPSC rulings, SBC Michigan shall provide DALI to MCIIm as an unbundled Network Element.

4 USE OF DIRECTORY ASSISTANCE LISTING INFORMATION

- 4.1 MCIIm may use the Directory Assistance Listing Information provided pursuant to this Appendix for any lawful form of telecommunications service.
- 4.2 If this Agreement is terminated by MCIIm with the stated intention that no successor agreement will be entered into, MCIIm shall, within a reasonable time after such termination, cease using the Directory Assistance Listing Information provided hereunder by SBC Michigan, and shall extract and expunge all copies or any portions thereof from files and records and provide written notice from an authorized representative that such actions have been performed.
- 4.3 In the event a telephone service subscriber has a "non-published" listing, a "non-published" classification will be identified in lieu of the telephone number information and will be considered part of the Listing Information. The last name, first name, street number, street name, community, and zip code will be provided as part of the Listing Information. The information provided for non-published customers can only be used in accordance with applicable law. The information provided for non-published customers can only be used for two purposes. First, the non-published status may be added to the listing in MCIIm's database for the sole purpose of adding/correcting the non-published status of the listings in the database. Second, addresses for non-published customers may be used for verification purposes. If a caller provides the address for a requested listing, MCIIm may verify the listing by matching the caller-provided address with the address in MCIIm's dates. MCIIm may not provide the address information of a requested listing of a non-published subscriber to a caller under any circumstances. MCIIm can notify the customer that the requested listing is non-published.

5 EMERGENCY NOTIFICATION SERVICE FOR NON-PUBLISHED TELEPHONE NUMBERS

- 5.1 SBC Michigan shall provide for Emergency Notification Service for Non-Published Telephone Numbers (hereinafter referred to as "Non-Pub ENS"). SBC Michigan will provide to MCIIm a telephone number that will permit MCIIm to contact SBC Michigan in the event a MCIIm customer ("Calling Party") indicates to MCIIm that he/she must reach a SBC Michigan customer that has a Non-Published listing ("Non-Published Customer") to advise such Non-Published Customer of an emergency or life-threatening situation. If the Non-Published Customer's name is in the SBC Michigan DALI database, SBC Michigan will call the requested Non-Published Customer, and if such Non-Published Customer answers, will notify the Non-Published Customer that Calling Party is attempting to reach him/her to advise of an emergency situation, and will provide the Non-Published Customer the name and callback telephone number of the Calling Party provided to SBC Michigan by MCIIm or the contact telephone number of MCIIm.
- 5.1.1 SBC Michigan will only accept calls from employees of MCIIm or its affiliates on behalf of MCIIm's end user customers. SBC Michigan will not accept calls from MCIIm's end user customers.
- 5.2 MCIIm shall only utilize the Non-Pub ENS in the event a Calling Party indicates to MCIIm that the Calling Party must reach the Non-Published Customer to advise of an emergency situation. In no event shall MCIIm use the Non-Pub ENS for non-emergency situations.

- 5.3 MCI's representative shall provide to SBC Michigan (i) his/her name, (ii) a contact telephone number, (iii) the name, city and state of the Non-Published Customer that Calling Party is attempting to contact, and (iv) the Calling Party's name and call back telephone number.
- 5.4 If the Non-Published Customer does not answer for any reason (including, but not limited to, no answer, busy, intercept recording, line not working, facsimile tones, etc.), SBC Michigan will wait approximately thirty (30) minutes and make a second call attempt. If SBC Michigan's second call attempt is unsuccessful, SBC Michigan will promptly call MCI and inform MCI of its inability to reach the Non-Published Customer.
- 5.5 If the Non-Published Customer does not answer but SBC Michigan reaches such Non-Published Customer's answering machine or voice mail service, SBC Michigan will leave a message notifying the Non-Published Customer that Calling Party is attempting to reach him/her to advise of an emergency situation, will provide the Non-Published Customer either the name and callback telephone number of the Calling Party provided to SBC Michigan by MCI or the contact telephone number of MCI. SBC Michigan will promptly call MCI and inform MCI that SBC Michigan left a message for the Non-Published Customer.
- 5.6 Under no circumstances will SBC Michigan release Non-Published telephone numbers to a MCI employee or end user customer.
- 5.7 Rates for Non-Pub Emergency Number Service (ENS) are contained in Appendix Pricing.
- 5.8 The Parties agree to meet to negotiate an amendment within 60 days, should this process change.

6 PRICING

- 6.1 Rates for DALI are contained in Appendix Pricing.

7 ASSIGNMENT

- 7.1 MCI may use the directory assistance listing information licensed and provided pursuant to this Appendix in compliance with all Applicable laws, regulations and rules including any subsequent decision by the FCC or a court regarding the use of DALI.

8 LIABILITY

- 8.1 Intentionally Omitted.
- 8.2 The provisions set forth in the General Terms and Conditions of this Agreement, including but not limited to those relating to limitation of liability and indemnification, shall govern the Parties' performance under this Appendix.

DIRECTORY ASSISTANCE SERVICES

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1 INTRODUCTION

- 1.1 This Appendix sets forth the terms and conditions for Directory Assistance (DA) Services for MCIIm provided by SBC Michigan.

2 SERVICES

- 2.1 All DA Services described herein shall be provided in accordance with Applicable Law.
- 2.2 SBC Michigan shall provide DA Services as an unbundled network element at TSLRIC-based rates, unless SBC Michigan provides MCIIm with customized routing as defined in Appendix UNE and unless authorized to discontinue unbundled DA Services by the Commission.
- 2.2.1 DIRECTORY ASSISTANCE (DA) - SBC Michigan will provide the following Director Assistance listing information: (name, address, and published telephone number or an indication of "non-published status") to MCIIm's end user customers located within SBC Michigan's local or intraLATA operating area.
- 2.2.1.1 SBC Michigan shall provide to MCIIm customers the capability to dial the same telephone numbers for access to SBC Michigan's directory assistance as SBC Michigan customers use to access SBC Michigan directory assistance. Access numbers to SBC Michigan's Local DA service may include but are not limited to: 411, 1/0+411, 555-1212.
- 2.2.2 DIRECTORY ASSISTANCE CALL COMPLETION (DACC) or Express Call Completion (ECC) - A service in which a local or an intraLATA call to the requested number is completed on behalf of MCIIm's end user customer utilizing an automated voice system or with operator assistance.

3 DEFINITIONS

- 3.1 The following terms are defined as set forth below:
- 3.1.1 "Call Branding" -The procedure of identifying a provider's name audibly and distinctly to the end user customer at the beginning of each DA Services call.

4 CALL BRANDING

- 4.1 Where technically feasible and/or available, SBC Michigan will brand DA Services based upon the criteria outlined.
- 4.1.1 Where SBC Michigan is only providing DA Services on behalf of MCIIm, the calls will be branded. When the same trunk group is used to provide OS and DA services to MCIIm, calls will be branded at MCIIm's request with the same brand. There may be separate brands where separate trunk groups are utilized.
- 4.1.2 Branding Load Charges
- 4.1.2.1 Branding load charges are included in Appendix Pricing.

5 DIRECTORY ASSISTANCE (DA) RATE/REFERENCE INFORMATION

- 5.1 If MCIIm elects to use DA Services where technically feasible and/or available, SBC Michigan will provide MCIIm DA Rate/Reference Information, based upon the criteria outlined below:
 - 5.1.1 MCIIm will furnish DA Rate and Reference Information in accordance with process outlined in Operator Services Questionnaire as of June 6, 2002 or as mutually agreed to format or media thirty (30) calendar days in advance of the date when the DA Services are to be undertaken.
 - 5.1.2 MCIIm will inform SBC Michigan, in writing, of any changes to be made to such Rate/Reference Information fourteen (14) calendar days prior to the effective Rate/Reference change date. MCIIm acknowledges that it is responsible to provide SBC Michigan updated Rate/Reference Information fourteen (14) calendar days in advance of when the updated Rate/Reference Information is to become effective.
 - 5.1.3 An initial non-recurring charge will apply per state, per Operator assistance switch for loading of MCIIm's DA Rate/Reference Information. An additional non-recurring charge will apply per state, per Operator assistance switch for each subsequent change to either MCIIm's DA Services Rate or Reference Information subject to the requirements herein.
- 5.2 When an SBC Michigan Operator receives a rate request from a MCIIm end user customer, SBC Michigan will quote the applicable DA rates as provided by MCIIm.

6 RESPONSIBILITIES OF THE PARTIES

- 6.1 *MCIIm will provide SBC Michigan at least thirty (30) days notice prior to any significant change in service levels for Directory Assistance under this Appendix.
- 6.2 MCIIm will be responsible for providing the equipment and facilities necessary for signaling and routing calls with Automatic Number Identification (ANI) to each SBC Michigan Operator assistance switch. Should MCIIm seek to obtain interexchange DA Service from SBC Michigan, MCIIm is responsible for ordering the necessary facilities under the appropriate Interstate or Intrastate Access Service Tariffs. Nothing in this Agreement in any way changes the manner in which an Interexchange Carrier obtains access service for the purpose of originating or terminating interexchange traffic.
 - 6.2.1 Facilities necessary for the provision of DA Services shall be provided by the Parties hereto, using standard trunk traffic engineering procedures to insure that the objective grade of service is met. Each Party shall bear the costs for its own facilities and equipment.
- 6.3 MCIIm will furnish to SBC Michigan a completed OSQ thirty (30) calendar days in advance of the date when the DA Services are to be undertaken.
- 6.4 MCIIm will provide SBC Michigan updates to the OSQ fourteen (14) calendar days in advance of the date when changes are to become effective.
- 6.5 MCIIm will send the DA listing records to SBC Michigan for inclusion in SBC Michigan DA database via electronic gateway as described in Appendix WP.
- 6.6 MCIIm agrees that SBC Michigan may utilize MCIIm's end user customer's listings contained in SBC Michigan directory assistance database in providing SBC Michigan Directory Assistance or DA related services.

- 6.7 MCIIm further agrees that SBC Michigan can release MCIIm's directory assistance listings stored in SBC Michigan Directory Assistance database to competing providers.

7 METHODS AND PRACTICES

- 7.1 SBC Michigan will provide DA Services to MCIIm's end user customers in accordance with SBC Michigan DA methods and practices that are in effect at the time the DA call is made, unless otherwise agreed to in writing by both Parties.

8 PRICING

- 8.1 Pricing for DA Services shall be based on the rates specified in Appendix Pricing.

9 LIABILITY

- 9.1 The provisions set forth in the General Terms and Conditions of this Agreement, including but not limited to those relating to limitation of liability and indemnification, shall govern the Parties' performance under this Appendix. The provisions set forth in the General Terms and Conditions of this Agreement, including but not limited to those relating to limitation of liability and indemnification, shall govern the Parties' performance under this Appendix including any claims arising from the disclosure of telephone numbers, addresses, or names associated with the telephone called or telephone used to call SBC Michigan's DA operators.

10 TERM OF APPENDIX

- 10.1 MCIIm must use such services for a minimum period of twelve (12) months, which period may extend past the termination of this Agreement. MCIIm may terminate use of SBC Michigan's DA Services one hundred twenty (120) days advance written notice to SBC Michigan any time after MCIIm has used such DA Services for the twelve (12) month minimum period, inclusive of the notice period.
- 10.2 *If MCIIm terminates use of SBC Michigan's DA Services without complying with Section 10.1 above, MCIIm shall pay SBC Michigan, within thirty (30) days of the issuance of a final bill by SBC Michigan, all amounts due for actual services provided under this Appendix.

INVOICING

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1 INTRODUCTION

- 1.1 This Appendix addresses:
 - 1.1.1 all terms and conditions for billing of Interconnection, Resale Services, Network Elements, functions, facilities, products and services; and
 - 1.1.2 all terms and conditions for billing of OSS to the extent not explicitly covered in Appendix OSS.
- 1.2 The Parties agree to participate in and comply, whenever possible, with the Ordering and Billing Forum (OBF) and the Telecommunications Industry Forum (TCIF) guidelines. However, due to system limitations and/or new product developments SBC Michigan may proceed ahead of industry guidelines as necessary or choose not to implement. Neither Party waives its rights as participants in such forums or in the implementation of the guidelines.
- 1.3 All invoices containing billing data and information shall be in accordance with the POR and CMP.
- 1.4 To the extent that there are no OBF guidelines or CABS BOS outputs governing the formatting of certain data, such data will be issued in a format mutually agreed to by the Parties.

2 TRANSMISSION OF BILLS

- 2.1 The Parties will meet during the implementation of this Agreement to negotiate the means of transmissions unless arrangements exist for transmission of billing information.
- 2.2 SBC Michigan will transmit billing information and data in electronic format. Upon transmission failure, MCIIm will notify SBC Michigan and SBC Michigan will re-transmit the bill at SBC Michigan's cost. The payment due date for resubmitted transmissions will be thirty-five (35) days from the time MCIIm notifies SBC Michigan of the transmission failure or as otherwise agreed by the Parties. In emergency situations where transmissions have failed, when media transmittal has to be used to convey a bill, the Parties will generate media to be transported to each other via a courier. The Parties will have no responsibility to return media delivered to each other. The Parties shall use media packaging that is sufficient to ensure that the media is protected and useable when the other Party receives it.
- 2.3 For enhancements to transmissions of existing and new bills, the Parties shall use test and production data that will be developed between the Parties. The Parties will mutually agree upon the file (block size, record length, etc.).
- 2.4 The Parties will share contingency procedures and policies that will be used to manage billing disruptions.
- 2.5 The Parties shall provide each other a single point of contact (SPOC), for SBC Michigan the SPOC will be MCIIm's designated account manager for handling any questions or problems regarding bills or that may arise during the implementation and performance of the obligations of this Appendix. The SBC Michigan SPOC will be available via a single telephone number (not through an answering center).

- 2.6 The Parties will issue all bills in accordance with the terms and conditions set forth in this Agreement. Each Party will establish monthly billing dates (or bill dates) for each bill type, which billing date will be the same day from month to month. Each Party will provide the other Party at least thirty (30) calendar days written notice prior to changing, adding or deleting any bill type. All bills must be received by the recipient no later than ten (10) calendar days from the bill date and at least twenty (20) calendar days prior to the payment due date, whichever is earlier. Any bill received on a Saturday, Sunday or bank holiday will be deemed received the next business day. If either Party fails to receive billing data and information within the time period specified above, the payment due date will be extended by the number of days the bill is late.
- 2.7 The Parties will render and transmit to each other accurate and timely bills.
- 2.8 The Parties will reimburse or credit each other for incorrect charges including, but not limited to, overcharges, services ordered or requested but not delivered, and service interruption which cause the purchased service to be unavailable. All requests for reimbursement or credit under this section shall be submitted to the billing Party in writing and shall state the nature of the claim and the specific services affected. These reimbursements will be set forth in the appropriate section of the bill that correlates to a billing dispute raised by either Party.

3 REMITTANCE OF BILLS

- 3.1 Unless otherwise stated, each Party will render monthly bill(s) to the other for Interconnection, Resale Services, Network Elements, functions, facilities, products and services provided hereunder at the rates set forth in the applicable Appendix Pricing, or as otherwise agreed to by the Parties.
- 3.2 Subject to the terms of this Agreement, each Party shall remit payment the other Party as set out below:
- 3.2.1 Remittance in full of all undisputed bills are due within thirty (30) calendar days after each Invoice/Bill Date (the "Bill Due Date") and shall be paid in accordance with the terms of this Appendix. If the payment due date is a Saturday, Sunday, or has been designated a bank holiday, payment will be made the next business day. Late payment charges, if any, will be assessed in accordance with the requirements in this Appendix.

4 LATE PAYMENT CHARGES

- 4.1 A late payment charge shall be applied, if: (i) no payment is received by the billing Party by the Bill Due Date; (ii) a partial payment of the amount due is received by the billing Party after the Bill Due Date; or (iii) payment or partial payment is received by the billing Party in funds that are not immediately available to the billing Party.
- 4.1.1 If any charge incurred under this Agreement that is billed out of any billing system is Past Due, the unpaid amounts shall accrue interest from the Bill Due Date an amount equal to the lesser of:
- 4.1.1.1 The highest interest rate that may be levied by Applicable Law compounded daily for each day after the payment due date through and including the date the billed Party makes payment to the billing Party; or

- 4.1.1.2 .0005 percent (0.0005%) of the amount due, compounded daily for each day after the payment due date through and including the date the billed Party makes payment to the billing Party. Calculation by this method yields an annual percentage rate of eighteen percent (18%).

5 DISPUTED AMOUNTS AND ESCROW ACCOUNTS

- 5.1 If any portion of an amount due to a Party (the “Billing Party”) under this Agreement is subject to a bona fide dispute between the Parties, the Party billed (the “Non-Paying Party”) shall, prior to the Bill Due Date, give written notice to the Billing Party of the amounts it disputes (“Disputed Amounts”) and include in such written notice the specific details and reasons for disputing each item provided, however, a failure to provide such notice by that date shall not preclude a Party from subsequently challenging billed charges for a period of two (2) years from the Bill Due Date.
- 5.2 If the Non-Paying Party disputes a charge and does not pay such Disputed Amounts by the Bill Due Date, such Disputed Amounts shall be subject to late payment charges. If the Non-Paying Party disputes charges and the dispute is resolved in favor of such Non-Paying Party, the Billing Party shall credit the invoice of the Non-Paying Party for the amount of the Disputed Amounts along with any applicable late payment charges no later than the second Bill Due Date after the resolution of the Dispute. Accordingly, if a Non-Paying Party disputes charges and the dispute is resolved in favor of the Billing Party, the Non-Paying Party shall pay the Billing Party the amount of the Disputed Amounts and any associated late payment charges no later than the second Bill Due Date after the resolution of the Dispute. In no event, however, shall any late payment charges be assessed on any previously assessed late payment charges.

6 INTENTIONALLY OMITTED

7 PAYMENT

- 7.1 Each Party shall make payments to the other via check or electronic funds credit transfers through the Automated Clearing House Association (“ACHA”) network to the financial institution designated by the Party receiving the payment. If such banking information changes, each Party will provide the other at least sixty (60) days written notice of the change and such notice will include the new banking information. The Parties shall abide by the National Automated Clearing House Association (“NACHA”) rules and regulations. Each check or ACHA credit transfer shall be received by the billing Party no later than the Bill Due Date of each bill or late payment charges will apply as provided in this Appendix Invoicing. The Party receiving payment shall not be liable for any delays in receipt of funds or errors in entries caused by the paying Party or third parties, including the paying Party’s financial institution. The paying Party is responsible for its own banking fees. Each Party will provide the other with a contact person for the handling of billing payment questions or problems.

7.2 NONPAYMENT AND PROCEDURES FOR DISCONNECTION

- 7.2.1 If the Non-Paying Party fails to (i) pay any undisputed amounts or fails to file a bona fide dispute for amounts in dispute by the deadline provided in the first late payment notification, (ii) pay any revised deposit or (iii) make a payment in accordance with the terms of any mutually agreed upon payment arrangement, the Billing Party will, in addition to exercising any other rights or remedies it may

have under Applicable Law, provide a second late payment notice/written demand to the Non-Paying Party for failing to comply with the foregoing. If the Non-Paying Party does not satisfy the second late payment notice/written demand within sixty (60) days of receipt, the Billing Party may exercise any, or all, of the following options.

- 7.2.2 assess a late payment charge and where appropriate, a dishonored check charge;
- 7.2.3 require provision of a deposit or increase an existing deposit pursuant to a revised deposit request;
- 7.2.4 refuse to accept new, or complete pending, orders; and/or
- 7.2.5 discontinue service.

8 ADDITIONAL COPIES OF BILLS

- 8.1 Each Party shall provide the other additional copies of bills at no charge upon request.

9 OSS BILLING

- 9.1 With respect to all current OSS billing interfaces covered by this Appendix, the Parties will comply with the final version of the SBC Michigan Uniform and Enhanced OSS ("Uniform POR") once approved by the FCC.
- 9.2 SBC Michigan shall provide proper notice of interface phase out as required by the Change Management process. The Parties acknowledge that Change Management processes may be affected by the final Uniform and Enhanced OSS Plan of Record (POR) once approved by FCC.
- 9.3 To achieve enhanced system functionality (e.g. Bill info, Daily Usage Extract as quickly as possible, the Parties acknowledge that they may deploy interfaces with requirements developed in advance of industry guidelines. Thus, subsequent modifications may be necessary to comply with emerging guidelines. The Parties are individually responsible for evaluating the risk of developing their respective systems in advance of guidelines and agree to support their own system modifications to comply with new requirements.
- 9.4 The IS Call Center for the SBC Michigan region provides a technical support function for current OSS billing interfaces. MCIIm will also provide a single point of contact for technical support issues related to the electronic OSS billing interfaces. The Parties are responsible for obtaining operating system software and hardware to access each other's current OSS billing interfaces.
- 9.5 SBC Michigan shall continue to provide MCIIm electronic billing for the products/services currently billed electronically in the SBC Michigan region.
- 9.6 The Parties acknowledge that billing for everything in this Agreement from MCIIm to SBC Michigan, the volume of bills does not warrant nor do the Parties desire an Application-to-Application interface. Therefore, MCIIm will provide SBC Michigan with billing in paper format, unless otherwise mutually agreed.
- 9.7 The Parties will cooperatively test new BOS releases of CABs in line with normal industry practice. The Parties will also cooperatively test new releases, enhancements or other

changes to the EDI billing system.

10 BACKBILLS

- 10.1 A Party may send bills to the other Party containing amounts found to be unbilled or underbilled (“Backbill(s)”), as follows:
- 10.1.1 Except as provided in Section 10.1.5 below, for erroneous failure to bill or underbilling of any charges incurred by a Party under this Agreement, the billing Party may submit a Backbill to the billed Party for charges incurred by the billed Party up to one hundred eighty (180) days prior to the Backbill date. For the purposes of this Section, charges shall be deemed incurred for: (i) services charged on a usage-sensitive basis, upon the last day of the billing cycle in which such usage was recorded, and (ii) all other services, upon the first day of the billing cycle in which the billed Party used such service; or
 - 10.1.2 For failure to bill or underbilling where data exchange with third party carriers is required, the billing Party may submit a Backbill to the billed Party for charges incurred by the billed Party up to one hundred eighty (180) days prior to the Backbill date; or
 - 10.1.3 Where a billing Party is required by regulatory agencies, arbitrators, courts, or legislatures to implement new pricing structures, the billing Party may submit to the billed Party, up to one hundred eighty (180) days after the implementation date required in the regulatory action, the date of the final, non-appealable arbitration or order, or the effective date of the legislation or tariff (each such date hereinafter referred to as a “Governmental Requirement Date”), a Backbill for charges incurred by the billed Party as a result of, and since the applicable Governmental Requirement Date; or
 - 10.1.4 Except as provided in Section 10.1.5 below, neither Party will be liable for charges contained in Backbills that are sent outside the time periods defined in Section 10.1.1 through Section 10.1.3.
 - 10.1.5 A billing Party may send Backbills outside of the time periods defined in Section 10.1.1 through Section 10.1.3, but otherwise subject to the limitations in this Agreement applicable to billing disputes, for charges incurred by the billed Party where the failure to bill or underbilling is caused solely by the acts, failure or refusal to act, errors or omissions of the billed Party, and the billed Party shall be liable for such Backbilled charges. Where such failure to bill or underbilling is caused in part by the billed Party and in part by the billing Party, the Parties may agree upon other time periods for Backbilling.

INWARD ASSISTANCE OPERATOR SERVICE (INW)

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1 INTRODUCTION

- 1.1 This Appendix sets forth terms and conditions for Inward Assistance Operator Services provided by SBC Michigan to MCIIm.
- 1.2 Intentionally Omitted.
- 1.3 Intentionally Omitted.
- 1.4 Intentionally Omitted.
- 1.5 Intentionally Omitted.
- 1.6 The prices at which SBC Michigan agrees to provide MCIIm Inward Assistance Operator Services are contained in Appendix Pricing.

2 SERVICES

- 2.1 Where technically feasible and available, SBC Michigan's Inward Assistance Operator will provide the following assistance or services when reached by an operator dialing the appropriate Toll Center Code in addition to the Inward Code:
 - 2.1.1 General Assistance on calls where an attempt to connect the call is required by a local operator.
 - 2.1.2 Busy Line Verification (BLV) service and Busy Line Verification/Interrupt (BLVI) service.
- 2.2 Inward Assistance Operator Service is an optional service and is applicable when MCIIm is not purchasing SBC Michigan's Operator Services.

3 DEFINITIONS

- 3.1 "General Assistance" - A service in which an operator calls the Inward Assistance operator seeking assistance in dialing a number. The assistance could be required, for example, for attempting to dial a number where a 'no ring' condition has been encountered.
- 3.2 Intentionally Omitted.
- 3.3 Intentionally Omitted.

4 RESPONSIBILITIES OF THE PARTIES

- 4.1 If MCIIm decides to order this optional service, it is the responsibility of MCIIm to order the necessary facilities to interconnect with SBC Michigan's Operator assistance switches in the various locations throughout the SBC Michigan territory.
- 4.2 Initial and/or additional interconnection trunking requirements for INW are described in Appendix NIM.
- 4.3 MCIIm will furnish request for service in writing to SBC Michigan, thirty (30) calendar days in advance of the date when the Inward Assistance Operator Services are to be undertaken, unless otherwise agreed to by SBC Michigan.

- 4.3 The requester of this Inward Assistance Operator Services service agreement must provide one Carrier Identification Code (CIC) for its CLEC or Independent Exchange Carrier business operation and one for its InterExchange Carrier (IXC) business operation if the requesting company wishes to receive billing data in a format that separates the service provided to the two business operations.
- 4.4 SBC Michigan - When utilizing the services of MCIIm Inward Assistance, SBC Michigan and MCIIm agree that SBC Michigan will pay MCIIm at the same rate MCIIm compensates SBC Michigan pursuant to the terms of this Appendix.
- 4.5 Intentionally Omitted.
- 4.6 SBC Michigan shall offer operator-to-operator BLV/BLVI to MCIIm on a nondiscriminatory basis.

5 TOLL CENTER CODES

- 5.1 Toll Center Codes will be used by MCIIm Operators for routing and connecting to the SBC Michigan Operator assistance switches. These codes are specific to the various SBC Michigan LATA's where SBC Michigan Operator assistance switches are located.
- 5.2 SBC Michigan Operator Services will require a Toll Center Code for the MCIIm Operator Services assistance switch. This code will be the routing code used for connecting the SBC Michigan Operator to the MCIIm Operator on an Inward basis.
- 5.3 If MCIIm requires establishment of a new Toll Center Code, MCIIm shall do so by referencing the Local Exchange Routing Guide (LERG).

6 PRICING

- 6.1 SBC Michigan - Pricing for Inward Assistance Operator Services shall be based on the rates specified in Appendix Pricing.

7 MONTHLY BILLING

- 7.1 For information regarding billing, non-payment, disconnection, and dispute resolution, see the General Terms and Conditions and the Invoicing Appendix of this Agreement.
- 7.2 SBC Michigan will accumulate and provide MCIIm such data as necessary for MCIIm to bill its end user customers.

8 LIABILITY

- 8.1 The provisions set forth in the General Terms and Conditions of this Agreement, including but not limited to those relating to limitation of liability and indemnification, shall govern the Parties' performance under this Appendix.

9 TERM OF APPENDIX

- 9.1 This Appendix will continue in force for the length of the Interconnection Agreement, but no less than twelve (12) months.
- 9.2 If MCIIm terminates this Appendix prior to the expiration of the term of this Appendix, MCIIm shall pay SBC Michigan, within thirty (30) days of the issuance of any bills by SBC

Michigan, all amounts due (subject to Appendix Invoicing) for actual services provided under this Appendix.

- 9.3 The rates applicable for determining the amount(s) under the terms outlined in this Section are those specified in Appendix Pricing.

APPENDIX INW

EXHIBIT I

SERVING AREA

OPERATOR SERVICES PROVIDER LOCATION:

CLEC SWITCH SERVING LOCATIONS:

<u>CITY</u>	<u>NPA-NXX</u>	<u>LATA</u>

ADDITIONAL SHEETS SHOULD BE ADDED AS REQUIRED.

LIDB SERVICE

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1 INTRODUCTION

- 1.1 This Appendix sets forth the terms and conditions for Line Information Data Base (LIDB) Service provided by SBC Michigan to MCIIm.

2 DEFINITIONS

- 2.1 "Database (or Data Base)" means an integrated collection of related data. In the case of LIDB, the database is the line number and related line information.
- 2.2 "Data Owner" means a telecommunications company, including SBC Michigan that stores and/or administers Line Record Information and/or Group Record Information in a Party's LIDB.
- 2.3 "Personal Identification Number" (PIN) means a confidential four-digit code number provided to a calling card customer to prevent unauthorized use of his/her calling card number. LIDB and/or the LIDB administrative system can store a PIN for those line numbers that have an associated calling card.
- 2.4 "Query" means a message that represents a request to a Database for information.
- 2.5 "Query Rate" means a per-query usage rate that applies to each Query received at an SBC Michigan Database.
- 2.6 "Query Transport Rate" means a per-query usage rate that applies to certain Queries transported from an SBC Michigan STP to the SCP where LIDB resides and back.
- 2.7 "Response" means a message that, when appropriately interpreted, represents an answer to a Query.

3 DESCRIPTION OF SERVICE

- 3.1 SBC Michigan shall provide LIDB as an unbundled Network Element, consisting of per query access.
- 3.2 LIDB service provides MCIIm with certain line information that MCIIm may use to facilitate completion of calls or services. LIDB service provides access to billing validation data to support Alternate Billing Services such as calling card, collect and third number billing.
- 3.3 LIDB validation information can include public telephone identification to denote the presence of a payphone to assist MCIIm in the avoidance of billing for calls from a payphone. End User requests, such as denial of collect or third number for billing restrictions can also be denoted.
- 3.4 LIDB downtime is designed to be less than twelve (12) hours per year. It is capable of processing up to 100 queries per second. In addition, the LIDB will provide a mean response time of no more than 0.25 to 0.5 seconds and shall not exceed 1.0 second for 99 percent of all messages.
- 3.5 To assist in providing the most accurate validation service possible, two (2) audit procedures will be done. The first audit is performed seven (7) nights a week to compare the data contained in the database administration system and LIDB data. Any differences between these data are resolved the next business day. The second audit, which occurs at least yearly, compares the carrier record files and the information contained in the database administration system.

- 3.6 SBC Michigan employs fraud monitoring measures including thresholds based on the number of queries received concerning a calling card number by the LIDB over a specified period of time. One threshold triggers an investigation involving a carrier contact. Another higher threshold causes the automatic deactivation of the calling card by the LIDB and sends a service denial due to threshold exceeded message to the originating Operator Service system. There are procedures in place to deactivate reported lost or stolen cards immediately. Database entries for calling cards identified or suspected of being fraudulently used will be updated seven days a week, twenty-four hours a day.
- 3.7 LIDB Service enables the following functions on an on-line, call-by-call basis:
- 3.7.1 Validate a telecommunications carrier's end user customer's calling card number stored in the LIDB.
 - 3.7.2 Determine whether the billed line automatically rejects, accepts or requires verification of certain calls billed as collect or third number.
 - 3.7.3 Determine whether the billed line is a public or non-working telephone number.
 - 3.7.4 Determine whether the central office code is active or vacant.
- 3.8 SBC Michigan shall process MCI's customer records in a nondiscriminatory manner as compared to SBC Michigan's customer records with respect to other LIDB functions.
- 3.9 Within two (2) weeks after a request by MCI, SBC Michigan shall provide MCI with a list of the subscriber data items which MCI would have to provide in order to support billed number screening and calling card validation.
- 3.10 SBC Michigan shall provide MCI with nondiscriminatory access to LIDB functionality.
- 3.11 Intentionally Omitted.
- 3.12 Intentionally Omitted.
- 3.13 MCI acknowledges that CCS/SS7 network overload due to extraordinary volumes of Queries and/or other SS7 network messages can and will have a detrimental effect on the performance of SBC Michigan's CCS/SS7 network. MCI further agrees that SBC Michigan, at its sole discretion, shall employ on a nondiscriminatory basis certain automatic and/or manual overload controls within SBC Michigan's CCS/SS7 network to guard against these detrimental effects. SBC Michigan will report to MCI any instances where overload controls are invoked due to MCI's CCS/SS7 network and MCI agrees in such cases to take immediate corrective actions as are necessary, provided that such actions are nondiscriminatory to cure the conditions causing the overload situation.
- 3.14 Prior to SBC Michigan initiating service under this Appendix, MCI shall provide an initial forecast of busy hour Query volumes by LIDB Service Application. If, prior to the establishment of a mutually agreeable service effective date in writing, SBC Michigan, at its sole discretion, determines that it lacks adequate processing capability to provide LIDB Service to MCI, SBC Michigan shall notify MCI of SBC Michigan's intent not to provide the services under this Appendix and this Appendix will be void and have no further effect. Such termination will be without penalty to SBC Michigan. This paragraph does not apply to carriers that have working LIDB service under an existing Agreement on a per query type basis with SBC Michigan.
- 3.15 MCI will update its busy hour forecast for each upcoming calendar year (January - December) by October 1 of the preceding year. MCI shall provide such updates each year that this Appendix is in effect; provided, the obligation to provide updates shall not

extend for longer than the first three (3) years this Appendix is in effect, if it is in effect that long or longer.

- 3.16 MCI understands that access to SBC Michigan's LIDB may not provide MCI with access to all of the data of all Data Owners in SBC Michigan's LIDB. When a region in SBC Michigan implements LIDB Data Screening by Data Owner, certain Data Owners may choose to limit or restrict MCI from accessing their data. MCI understands that SBC Michigan will comply with Data Owners' requests to so limit or restrict their data. Should MCI desire access to any restricted Data Owner's LIDB Information, MCI understands that any requests and negotiations for such access to the Data Owner's LIDB Information will be between MCI and said Data Owner.
- 3.17 Data Owners are solely responsible for the accuracy and completeness of the Line Records they store in SBC Michigan's LIDB; accordingly SBC Michigan is not responsible for the accuracy or completeness of those Line Records. MCI will resolve any disputes regarding data accuracy with the appropriate Data Owner.
- 3.18 Intentionally Omitted.

4 TELEPHONE LINE NUMBER CALLING CARDS

- 4.1 When an end user customer migrates its service from SBC Michigan to MCI or requests that its SBC Michigan assigned telephone line number based calling card be terminated, SBC Michigan shall terminate the card and make appropriate updates to the LIDB within a commercially reasonable time. MCI may issue a new telephone calling card to a Local Resale or a Network Element Customer, utilizing the same telephone line number, and MCI's entry of the telephone line number into LIDB for calling card validation purposes. SBC Michigan shall also use commercially reasonable efforts to update the LIDB by purging inactive calling card accounts.

5 PRICE AND PAYMENT

- 5.1 MCI will make payment to SBC Michigan for LIDB Service based upon the rates set forth in Appendix Pricing.
- 5.2 Except as set forth herein, SBC Michigan will record usage information for MCI's LIDB Service Queries terminating to SBC Michigan's LIDB. SBC Michigan will use its SCPs as the source of usage data.
- 5.3 MCI will notify SBC Michigan when MCI discontinues use of an Originating Point Code ("OPC") used to Query LIDB.
- 5.4 SBC Michigan will apply all applicable Nonrecurring Charges to changes in previously established OPCs (other than disconnects of OPCs) as set forth herein.

6 OWNERSHIP OF INFORMATION

- 6.1 Telecommunications companies depositing information in SBC Michigan's LIDB retain full and complete ownership and control over such information. MCI obtains no ownership interest by virtue of this Appendix.
- 6.2 Unless expressly authorized in writing by the Parties, MCI will not use LIDB for purposes other than permitted by law. MCI will access LIDB on a call-by-call basis. MCI may not store for future use any non-MCI data that MCI accesses from SBC Michigan's LIDB. SBC Michigan agrees that MCI may use reports on LIDB usage and LIDB usage statistics and information similar to LIDB usage statistics to bill its carrier

customers and to estimate MCI's facilities usage needs, and for engineering, capacity, and network planning. MCI agrees that SBC Michigan may use statistics for the same purposes. MCI may aggregate individual LIDB statistics regarding the number of MCI's LIDB Queries and similar type of information during a specified time period, such as a month or a year. MCI will only publish such statistics in aggregate form and will ensure that all non-MCI names are redacted and cannot reasonably be identified from the published materials.

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

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

- 6.4 If MCI acts on behalf of other carriers, MCI will prohibit its Query-originating carrier customers from copying, storing, maintaining, or creating any table or database of any kind based upon information they receive in a Response from SBC Michigan's LIDB.

- 6.5 For those MCI Line Records stored in SBC Michigan's LIDB, MCI is solely responsible for the Line Records MCI owns, including completeness and accuracy of information, both originally and over time. Nothing herein shall be construed as requiring SBC Michigan to input faxed or electronic Line Record deletions or revisions on MCI's behalf. SBC Michigan is willing to undertake such database administrative responsibilities only if mutually agreed in writing in a separate LIDB Administration and Storage Agreement. SBC Michigan agrees to negotiate for a separate LIDB Administration and Storage Agreement subject to the Dispute Escalation and Resolution section of the General Terms.

7 TERM AND TERMINATION

- 7.1 If a Party materially fails to perform its obligations under this Appendix, the other Party, after notifying the non-performing Party of the failure to perform and allowing that Party thirty (30) days after receipt of the notice to cure such failure, may cancel this Appendix upon written notice.

8 LIMITATION OF LIABILITY

- 8.1 SBC Michigan's liability to MCI for LIDB fraud, system outages or inaccessibility shall be limited to MCI's direct damages, provided, however, that unauthorized acts of SBC Michigan employees that caused harm to MCI shall not be subject to the limitations of this Section and shall be determined on a case-by-case basis. SBC Michigan shall not be liable to MCI for unauthorized use of LIDB information by MCI or other third-party database users.

9 COMMUNICATION AND NOTICES

- 9.1 Ordering and billing inquiries for the services described herein from SBC Michigan shall be directed to the Local Service Center (LSC).

10 MUTUALITY

- 10.1 MCIIm agrees to make its Line Record Information available to SBC Michigan. Should MCIIm store its Line Record information in a database other than SBC Michigan's, MCIIm will make such Information available to SBC Michigan through an industry standard technical interface and on terms and conditions set forth by applicable tariff or by a separate agreement between SBC Michigan and the database provider. SBC Michigan agrees to negotiate in good faith to reach such an agreement. If SBC Michigan is unable to reach such agreement, MCIIm acknowledges that such MCIIm Line Record information will be unavailable to any customer, including any MCIIm's customer, that is served by SBC Michigan's service platforms (e.g., Operator Service Systems, Signaling Transfer Points, and/or switches).

LINE SHARING

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1 INTRODUCTION

- 1.1 This Appendix Line Sharing sets forth the terms and conditions under which SBC Michigan will provide MCIIm with the HFPL unbundled Network Element and Line Splitting. In addition to the terms and conditions of this Appendix Line Sharing, SBC Michigan shall make unbundled HFPL Network Elements available to MCIIm in accordance with applicable terms and conditions of Appendix UNE and Appendix xDSL, which are hereby incorporated into this Appendix Line Sharing by this reference. In the event of a conflict between the terms of this Appendix Line Sharing and Appendix xDSL, or between this Appendix Line Sharing and Appendix UNE, the Parties agree that the terms of this Appendix Line Sharing shall control.
- 1.2 The Parties agree that final outcomes from the SBC 13-State Line Sharing Collaborative or any applicable State Collaborative or proceeding may, at MCIIm's request, be incorporated into this Appendix Line Sharing and that the Parties will negotiate in good faith to arrive at an agreement on conforming modifications. If negotiations for such amendments fail, either Party may seek to resolve such disputes in accordance with the Dispute Resolution and Escalation requirements of this Agreement.
- 1.3 Intentionally Omitted.
- 1.4 The Parties enter into this Appendix Line Sharing without waiving current or future relevant legal rights and without prejudicing any position either Party may take on relevant issues before industry forums and collaboratives, state or federal regulatory or legislative bodies, or courts of competent jurisdiction.
- 1.5 SBC Michigan shall provide MCIIm with the unbundled Network Elements, and reporting associated with such unbundled Network Elements, described in this Appendix Line Sharing, in accordance with the requirements set forth in Section 1.4 of Appendix xDSL of this Agreement.
- 1.6 SBC Michigan shall provide MCIIm with the services provided pursuant to this Appendix at the rates set forth in Appendix Pricing of this Agreement.

2 DEFINITIONS

- 2.1 Terms not defined herein shall have the meaning set forth in Appendix xDSL, Appendix UNE, or Appendix Definitions.
- 2.2 "Digital Added Main Line" or "DAML" is a technology employed to derive multiple voice-grade POTS circuits from a single copper pair.
- 2.3 Intentionally Omitted.
- 2.4 "High Frequency Portion of the Loop" ("HFPL") is defined as the frequency above the voice band on a copper loop facility that is being used to carry traditional POTS analog circuit-switched voice band transmissions. The voice band frequency of the spectrum is typically 300 to 3000 Hertz (and possibly up to 3400 Hertz) and provides that DSL technologies which operate at frequencies generally above 20,000 Hertz will not interfere with voice band transmission. SBC Michigan must provide access to the HFPL even when the Loop is partially fiber fed, unless it is not feasible to do so.

- 2.5 Intentionally Omitted.
- 2.6 “Line Share Turn-Up Test” shall be defined as testing for HFPL by the Parties as more specifically described in Section 10 in accordance with the Line Share Turn-Up Test in the CLEC Handbook under the Line Share User Guide Manual and Technical Publication Section.
- 2.7 Line Splitting occurs when (i) MCI_m purchases an entire Loop from SBC Michigan in order to provision both voice and data services to an end user customer over such Loop; (ii) MCI_m provides the voice service via UNE-P and SBC Michigan, an affiliate of SBC Michigan, or a third party provides the data service to the same end user customer over the same Loop; or (iii) MCI_m provides the data services and an affiliate of SBC Michigan or a third party provides the voice service to the same end user customer, over the same Loop via UNE-P or a Loop/Transport combination or Loop alone. In this configuration, SBC Michigan shall perform operational activities necessary to facilitate extracting the High Bandwidth so that MCI_m (or an Advanced Services Provider) can utilize the HFPL. However, SBC Michigan is not required to provide a Splitter when it is not the voice service provider.
- 2.8 “Splitter” is a device that divides the data and voice signals concurrently moving across a Loop, directing the voice traffic through copper tie cables to the switch and the data traffic through another pair of copper tie cables to multiplexing equipment for delivery to a packet-switched network. The Splitter may be directly integrated into the Digital Subscriber Line Access Multiplexer (“DSLAM”) equipment or may be externally mounted.
- 3 GENERAL TERMS AND CONDITIONS RELATED TO UNBUNDLED HFPL AND LINE SPLITTING**
- 3.1 In addition to the general terms and conditions set forth in this Section 3, SBC Michigan shall make HFPL and Line Splitting available to MCI_m in accordance with the terms and conditions of Section 3 of Appendix xDSL (General Terms and Conditions Related to Unbundled xDSL-Capable Loops).
- 3.2 SBC Michigan will provide HFPL and Line Splitting for MCI_m to deploy xDSL technologies Presumed Acceptable For Deployment or Non-Standard xDSL-Based Technology as defined in Appendix xDSL. SBC Michigan will not impose limitations on the transmission speeds of xDSL services; provided, however, that SBC Michigan does not guarantee transmission speeds, available bandwidth nor imply any service level. Consistent with the FCC’s Line Sharing Order, MCI_m may only deploy xDSL technologies using HFPL or Line Splitting when the HFPL or the Line Splitting does not interfere with analog voice band transmission.
- 4 HFPL AND LINE SPLITTING NETWORK ELEMENTS**
- 4.1 Subject to SBC Michigan’s amended “compliance plan” in Docket U-12320, SBC Michigan shall only make the HFPL available to MCI_m in those instances where SBC Michigan is also providing retail POTS (voice band circuit switched) service on the same local loop facility to the same end user customer. To implement line splitting, MCI_m may order, including supporting OSS, loops, unbundled switching and available cross connects under the terms and conditions set forth in this Agreement. SBC Michigan will implement a Single Local Service Request (LSR) Line Splitting Ordering Process which will provide the OSS capability and support, for MCI_m to place an order for line splitting (i.e., adding xDSL capabilities through the insertion of a passive splitter located in MCI_m’s, or it’s

affiliate's, or a designated data CLEC's collocation cage) with an existing UNE-P customer using a single Local Service Request (LSR).

4.1.1 Intentionally Omitted.

4.2 When SBC Michigan is the provider of retail POTS analog voice service on the same Loop to the same end user customer, SBC Michigan shall provide MCIIm with HFPL access on that same Loop, provided that such Loop meets the Loop requirements as defined in Appendix xDSL.

4.3 SBC Michigan shall not interrupt or degrade service to a degree greater than that experienced when provisioning HFPL for Line Sharing.

4.4 SBC Michigan may not require MCIIm to collocate in order to provide voice service when Line Splitting, provided the data carrier shall be collocated to provision this arrangement.

4.5 Intentionally Omitted.

4.6 SBC Michigan shall not be required to provide narrowband service to CLEC "A" and broadband service to CLEC "B" on the same loop. Any Line Sharing between two CLECs shall be accomplished between those Parties and shall not utilize any SBC Michigan splitters, or require modifications to SBC Michigan's OSS systems to facilitate line sharing between such CLECs.

4.7 *MCIIm may identify to SBC Michigan in writing one or more CLECs as an authorized advanced services provider, on a central office by central office basis, which is authorized by MCIIm to add, change or delete advanced services capabilities within the HFPL employed or ordered by MCIIm ("Advanced Services Provider"). In such instances, MCIIm may specify, in its written notice to SBC Michigan the scope of the authority granted by MCIIm to the Advanced Services Provider, and will identify the central offices in which MCIIm will engage the Advanced Services Provider and for each of the central offices, MCIIm will further identify the specific Advanced Services Providers that are authorized to access the HFPL. MCIIm may modify this authorization and such changes will become effective upon thirty (30) days written notice by MCIIm unless a different time period is otherwise agreed upon. Unless MCIIm provides written authorization as required in this section, SBC Michigan shall reject any orders from any party other than MCIIm that seeks to utilize, modify or in any manner affect the operation of the HFPL employed or ordered by MCIIm. SBC Michigan may request, and MCIIm will provide, proof of MCIIm's authorization of an Advances Services Provider at any time.

5 LOOP OFFERING

5.1 Sub-Loop: In locations where SBC Michigan has deployed: (1) DLC systems and an uninterrupted copper loop is replaced with a fiber segment or shared copper in the distribution section of the loop; (2) DAML technology; or (3) entirely fiber optic facilities to the end user customer SBC Michigan will make the following options available to MCIIm:

5.1.1 Where spare or dead count copper facilities are available, and the facilities meet the necessary technical requirements for the provisioning of DSL, MCIIm has the option of requesting that SBC Michigan make copper facilities available.

- 5.1.2 MCIIm has the option of collocating a DSLAM in, or adjacent to, SBC Michigan Remote Terminal at the fiber/copper interface point, pursuant to collocation terms and conditions. When MCIIm collocates its DSLAM at, or adjacent to, SBC Michigan Remote Terminals, SBC Michigan will provide MCIIm with unbundled access to subloops to allow MCIIm to access the copper wire portion of the loop.
- 5.1.3 Where MCIIm is unable to obtain spare or dead count copper loops necessary to provision a DSL service, and SBC Michigan has placed a DSLAM in the Remote Terminal, SBC Michigan must unbundle and provide access to its DSLAM. SBC Michigan is relieved of this requirement to unbundle its DSLAM if it permits MCIIm to collocate its DSLAM in the RT on the same terms and conditions that apply to SBC Michigan's own DSLAM. The rates set forth in Appendix Pricing shall apply to access to SBC Michigan's DSLAM.
- 5.1.4 When requested by MCIIm, SBC Michigan will remove DAML when it is unable to obtain a spare copper loop necessary to provision a DSL service, of such removal affects only one (1) customer and the customer agrees to such removal. MCIIm will pay SBC Michigan on a Time and Material basis.
- 5.2 When SBC Michigan traditional retail POTS services are disconnected (as opposed to suspended) and not migrated to another carrier, SBC Michigan will notify MCIIm that the broadband service will be converted from a Line Sharing Circuit, or HFPL, to a full stand alone UNE loop or will be disconnected at MCIIm's option. Absent a request from MCIIm to disconnect use of the HFPL within three (3) business days of such notification from SBC Michigan, SBC Michigan will automatically convert the HFPL to a full standalone UNE loop. In the event the HFPL is converted to a full standalone UNE loop, SBC Michigan will not cause or require any interruption in service (except as provided below) to execute the loop access status change, unless otherwise requested by MCIIm. In the event MCIIm requests the splitter be removed from the loop, MCIIm shall pay for reconfiguration associated with removal of the splitter. When SBC Michigan removes an SBC Michigan owned splitter to convert the customer to a standalone loop, a momentary service outage (e.g., less than one minute or as defined by the FCC) in MCIIm's data service will occur provided that such outage does not conflict with any FCC decision, rule or regulation. In the event of a conflict with any FCC order, SBC Michigan must seek relief from the FCC. Should MCIIm not request SBC Michigan remove the splitter, MCIIm will continue paying charges associated with the splitter as identified in the Appendix Pricing.
- 5.3 SBC Michigan shall not be required to obtain the prior written consent of MCIIm before migrating an end user customer who is presently receiving MCIIm's data services; provided, however, SBC Michigan shall not decommission an old copper loop when to do so eliminates MCIIm's ability to offer, or to continue to provide, DSL service subject to the following conditions:
- 5.3.1 SBC Michigan shall not be restricted from decommissioning the copper line if the existing DSL customer and/or MCIIm elects not to purchase and pay for the entire UNE copper loop.
- 5.3.2 If, however, the existing MCIIm DSL customer and MCIIm elect to pay for the entire UNE copper loop (and thereby to continue DSL service over the existing copper line even when the customer's voice service is transported over a fiber portion of the loop), SBC Michigan may not

decommission the copper line until rates, terms and conditions for transport over fiber have been negotiated, mediated and/or arbitrated by the Parties under the Act. In addition, SBC Michigan will continue to reasonably maintain copper lines so MCIIm has the ability to offer, or continue to provide, xDSL service. SBC Michigan may, in the normal course of maintenance and upgrades, reuse existing copper for other purposes, but only if the copper stays in its existing location and continues to be available for use by MCIIm (e.g., not if reuse requires removing the copper and placing it in a different geographic area).

- 5.4 The Parties agree that multi-carrier or multi-service line sharing arrangements are as referenced in FCC 99-355, paragraph 75.

6 OSS

SBC Michigan shall provide MCIIm with OSS access and information for HFPL and Line Splitting in accordance with the applicable terms and conditions of Appendix xDSL, Appendix UNE and Appendix OSS of this Agreement.

7 PROVISIONING

- 7.1 In addition to the terms and conditions of this section, SBC Michigan shall provide MCIIm with provisioning for HFPL and Line Splitting, when applicable, in accordance with the terms and conditions of Appendix xDSL.
- 7.2 For HFPL, if MCIIm's requested conditioning will significantly degrade the customer's analog voice service, SBC Michigan is not required to condition a Loop. However, should SBC Michigan refuse MCIIm's request to condition a Loop, SBC Michigan will make an affirmative showing to the Commission that conditioning the specific Loop in question will significantly degrade voice band services. Provisioning intervals for HFPL are the same as those set forth in Appendix xDSL. If SBC Michigan is successful in making this affirmative showing, SBC Michigan agrees to utilize spare or dead count copper and line station transfers (LST) as a work around. Such LST will be performed on a Time and Material basis where such facilities are available.

8 SERVICE QUALITY AND MAINTENANCE

- 8.1 If requested by MCIIm, the Parties shall perform Line Share Turn-up Testing on HFPL in accordance with the requirements set forth in the Line Share Turn Up Test in the CLEC Handbook under the Line Share User Guide Manual and Technical Publication Section.
- 8.2 Narrowband/voice service: If the narrowband, or voice, portion of a Loop becomes significantly degraded due to the broadband or high frequency portion of the loop, certain procedures as detailed below will be followed to restore the narrowband, or voice service. Should only the narrowband or voice service be reported as significantly degraded or out of service, SBC Michigan shall repair the narrowband portion of the Loop without disturbing the broadband portion of the Loop. SBC Michigan and MCIIm agree to coordinate in good faith any Splitter testing, repair and maintenance that will significantly impact the service provided by the other Party. In no event will SBC Michigan perform any Splitter testing, repair or maintenance that interrupts the flow of data to a MCIIm customer without first attempting to coordinate with MCIIm to reach a mutually acceptable time for the necessary testing, repair or maintenance work to occur; provided, however, if after attempts at reasonable coordination have been made by SBC Michigan

without resolution, SBC Michigan may restore narrowband voice service without MCI's approval.

8.2.1 SBC Michigan will offer a 24-hour clearing time, excluding weekends and holidays, on trouble reports referred by MCI and found to be in the Central Office. If SBC Michigan isolates a trouble (causing significant degradation or out of service condition to the POTS service) to the HFPL caused by MCI data equipment or MCI-owned Splitter, SBC Michigan will attempt to notify MCI and request a trouble ticket and committed restoration time for clearing the reported trouble (no longer than 24 hours). MCI will allow the customer the option of restoring the POTS service if the customer is not satisfied with the repair interval provided by MCI. If the customer chooses to have the POTS service restored until such time as the HFPL problem can be corrected and notifies either MCI or SBC Michigan (or if MCI has failed to restore service within 24 hours), either Party will notify the other and provide contact names prior to SBC Michigan cutting around the POTS Splitter/DSLAM equipment to restore POTS. When MCI resolves the trouble condition in its equipment, MCI will contact SBC Michigan to restore the HFPL portion of the loop. In the event the trouble is identified and corrected in MCI equipment, SBC Michigan will charge MCI upon closing the trouble ticket.

8.3 Splitter Maintenance

8.3.1 SBC Michigan is responsible for all testing, repair and maintenance of facilities and equipment on its side of the Splitter and MCI is responsible for all testing, repair and maintenance of facilities and equipment on its side of the Splitter.

8.3.2 SBC Michigan and MCI agree to coordinate in good faith any Splitter testing, repair and maintenance that will significantly impact the service provided by the other Party. In no event will SBC Michigan perform any Splitter testing, repair or maintenance that interrupts the flow of data to a MCI customer without first coordinating with MCI to reach a mutually acceptable time for the necessary testing, repair or maintenance work to occur. As a last resort, SBC Michigan may restore voice service without MCI's approval, where SBC Michigan is the voice provider. When MCI reports trouble in an SBC Michigan owned Splitter to SBC Michigan and SBC Michigan finds no trouble with such Splitter, if MCI subsequently dispatches a technician who determines that the trouble is with SBC Michigan's Splitter, then SBC Michigan shall pay MCI for the cost of dispatching MCI's technician.

8.3.3 Procedures and Access. SBC Michigan will provide resolution of MCI-referred trouble tickets for the HFPL at parity with repair intervals SBC Michigan provides its advanced services affiliates for the HFPL.

8.3.3.1 If MCI opens a trouble ticket for the HFPL portion of the loop to SBC Michigan and the problem is determined to be in MCI's network, MCI will pay SBC Michigan the applicable commissioned-ordered tariffed rate for trouble isolation, maintenance, and repair, as specified in herein) upon closing the trouble ticket.

8.3.3.2 SBC Michigan Owned Splitter

- 8.3.3.2.1 When SBC Michigan owns the Splitter and has not placed such Splitter in a common area with MCIIm access, SBC Michigan shall conduct any necessary repair work within 24 hours (excluding weekends and holidays), or work with MCIIm to allow MCIIm test access, at MCIIm's option.
- 8.3.3.2.2 When SBC Michigan owns the Splitter and provides MCIIm with test access to the Splitter, SBC Michigan will permit MCIIm to perform testing, and will provide MCIIm with access to the Splitter twenty-four (24) hours a day, seven (7) days a week.
- 8.3.3.2.3 SBC Michigan will offer a 24-hour clearing time, excluding weekends and holidays, or parity with the repair intervals SBC Michigan provides its advanced services affiliates, whichever is less, for trouble reports on the HFPL only referred by MCIIm where the voice service has not been impacted after such trouble has been isolated to the SBC Michigan central office.

8.3.3.3 MCIIm-Owned Splitter.

- 8.3.3.3.1 When MCIIm owns the Splitter, MCIIm is responsible for performing maintenance, repair and testing on the Splitter.
- 8.3.3.3.2 If SBC Michigan isolates a trouble (causing significant degradation or out of service condition to the POTS service) caused by MCIIm data equipment or splitter, SBC Michigan will notify MCIIm and request a trouble ticket and a committed restoration time from MCIIm for clearing the reported trouble.
- 8.3.3.3.3 MCIIm shall not rearrange or modify the retail POTS within its equipment in any way beyond the original HFPL service.

8.3.3.4 Test Head

- 8.3.3.4.1 SBC Michigan will provide MCIIm access to its legacy Mechanized Loop Testing (MLT) system and its inherent testing functions. Prior to a MCIIm utilizing MLT intrusive test scripts, MCIIm must have established data service on that loop and have specifically informed the customer that service testing will interrupt both the data and voice telephone services served by that line. MCIIm may not perform intrusive testing without having first obtained the express permission of the end user customer and the name of the person providing such permission. MCIIm shall make a note on the applicable screen space of the name of the end user customer providing permission for such testing

before initializing any intrusive test or so note such information on MCI's trouble documentation for non-mechanized tests.

8.3.3.4.2 MCI hereby agrees to assume any and all liability for any such intrusive testing it performs, including the payment of all costs associated with any damage, service interruption, or other telecommunications service degradation or damage to SBC Michigan facilities and hereby agrees to release, defend and indemnify SBC Michigan, and hold SBC Michigan harmless, from any claims for loss or damages, including but not limited to direct, indirect or consequential damages, made against SBC Michigan by an end user customer, any telecommunications service provider or telecommunications user relating to such testing by MCI.

8.3.3.4.3 MCI shall have physical and/or remote test access to new test capabilities on the same terms and conditions (parity treatment) as SBC Michigan provides to other CLECs should such new test capabilities be developed. MCI shall have physical and/or remote test access as specified in herein.

8.3.3.5 Either Party may offer the end user customer the option of restoring the POTS line if the end user customer is not satisfied with the repair interval provided by MCI. If the end user customer chooses to have the POTS line restored before the HFPL problem can be corrected and notifies either MCI or SBC Michigan, the contacted Party will notify the other and provide contact names prior to SBC Michigan "cutting around" the POTS Splitter/DSLAM equipment to restore POTS.

8.3.3.6 When MCI resolves the trouble condition in its equipment, MCI will contact SBC Michigan to restore the HFPL.

9 HFPL: SPLITTER OWNERSHIP AND RESPONSIBILITIES

For six (6) months from the Effective Date or January 1, 2004, whichever is sooner, SBC Michigan will continue to voluntarily offer Option 2 (ILEC-Owned Splitters).

9.1 Option 1: MCI will own and have sole responsibility to forecast, purchase, install, inventory, provision and maintain Splitters. When physically collocating, Splitters shall be installed in MCI's collocation arrangement area (whether caged or cageless) consistent with the collocation provisions set forth in Appendix Collocation of this Agreement. When virtually collocated, SBC Michigan will install, provision and maintain Splitters under the terms and conditions for virtual collocation set forth in Appendix Collocation of this Agreement. SBC Michigan will also allow a MCI-owned shelf to be installed under the terms and conditions of virtual collocation.

9.1.1 When physically collocated, Splitters will be placed in traditional collocation areas as set forth in Appendix Collocation of this Agreement

or applicable Commission-ordered tariff. In this arrangement, MCI will have test access to the line side of the Splitter on the terminating end of the cross connect to the collocation arrangement. When virtually collocated, SBC Michigan will install the Splitter in an SBC Michigan bay and SBC Michigan will access the Splitter on behalf of MCI for line continuity tests. Additional testing capabilities (including remote testing) may be negotiated by the Parties. MCI is not permitted direct physical access to the MDF or the IDF for testing.

9.1.1.1 Splitter provisioning will use standard SBC Michigan configuration cabling and wiring in SBC Michigan locations. SBC Michigan's Connecting Block layouts will reflect standard recognizable arrangements that will work with SBC Michigan Operations Support Systems ("OSS").

9.1.1.1.1 Splitter technology needs to adhere to established industry standards for technical, test access, common size, configurations and shelf arrangements.

9.1.1.2 All Splitter equipment must be compliant with applicable national standards and NEBS Level 1.

9.1.1.3 SBC Michigan shall provide cross-connect (tie) cables from the collocation cage to the Carrier Facility Assignment (CFA) for splitter arrangement within sixty (60) calendar days of receipt of MCI's application.

9.1.2 Option 2: The Parties acknowledge and agree that a line-at-a-time splitter option is feasible and desirable. SBC Michigan voluntarily agrees to own, purchase, install, inventory, provision, maintain and lease Splitters in accordance with the terms set forth herein. SBC Michigan will provide Splitter functionality that is compatible with any transmission technology that MCI seeks to deploy. SBC Michigan will determine where such SBC Michigan owned Splitters will be located in each Central Office; provided, however, SBC Michigan shall use best engineering practices to locate such Splitters as close to the MDF as possible. Upon MCI's request, SBC Michigan shall provide access to the area in which SBC Michigan places SBC Michigan owned Splitters. SBC Michigan owned splitters will be placed in a common area accessible to MCI if space is available. When placed in common areas accessible to MCI, MCI will have test access at the line side of the splitter. Upon MCI's request, SBC Michigan will perform testing and repair at the SBC Michigan owned splitter on behalf of MCI. In the event that no trouble is found at the time of testing by SBC Michigan, MCI shall pay SBC Michigan for such testing at the rates set forth in the interconnection agreement with the parties. MCI will not be permitted direct physical access to the MDF or the IDF, for testing. Upon the request of either Party, the Parties shall meet to negotiate terms for additional test access capabilities. SBC Michigan will provide MCI twenty-four (24) hour, seven (7) days a week nondiscriminatory test access to the splitter. Such test access shall include but not be limited to a physical test access point at the Splitter (e.g., a "test head" or a standardized interface to a test access server) and remote test access to SBC Michigan Loop testing functionalities for purposes of Loop testing, maintenance, and repair activities. All such testing shall be conducted in

accordance with the cooperative testing provisions set forth in Section 8 of Appendix xDSL.

9.1.2.1 SBC Michigan agrees to lease such Splitters a line at a time subject to the following terms and conditions:

9.1.2.1.1 SBC Michigan's initial deployment of Splitters will take place pursuant to the rating and ranking process which occurred prior to June 6, 2000. After the initial Splitter deployment, Splitters will be installed in accordance with the terms and conditions set forth in Appendix Collocation of this Agreement. SBC Michigan shall make a good faith effort to meet actual aggregate demand for Splitter capacity using standard industry forecast and capacity management practices.

9.1.2.1.2 MCIIm will provide SBC Michigan with a forecast of its demand for Splitter ports for each Central Office, prior to submitting its first LSR for an individual Central Office and then every January and July thereafter (or as otherwise agreed to by both Parties). MCIIm may update its forecast information more often, particularly when it learns of an error in its most recently submitted forecast. Although not a requirement, MCIIm may also provide aggregate forecasts for Splitter requirements by metropolitan area.

9.1.2.1.3 MCIIm's failure to submit a forecast for a given office may affect provisioning intervals. Forecasts will be non-binding on both SBC Michigan and MCIIm. In the event MCIIm fails to submit a forecast in a central office which does not have available splitter ports, SBC Michigan shall have an additional ten (10) business days to install MCIIm's line sharing order after such time as the additional splitter equipment is installed in the SBC Michigan central office.

9.1.2.2 Splitter provisioning will use standard SBC Michigan configuration cabling and wiring in SBC Michigan locations. Connecting block layouts will reflect standard recognizable arrangements that will work with SBC Michigan's OSS.

9.1.2.3 Splitter technology will adhere to established industry standards for technical, test access, common size, configurations and shelf arrangements.

9.1.2.4 All SBC Michigan owned Splitter equipment will be compliant with applicable national standards and NEBS Level 1.

9.1.2.5 SBC Michigan retains the sole right to select SBC Michigan owned Splitter equipment and installation vendors.

9.1.2.6 From time to time, SBC Michigan may need to replace or repair SBC Michigan-owned Splitters or Splitter cards, which

replacement may necessitate a brief interruption of service. In the event that service interruption is anticipated by SBC Michigan to last more than fifteen (15) minutes, SBC Michigan shall make all commercially reasonable efforts to provide MCIIm with at least 2 hours' notice.

10 LINE SHARE TURN-UP TESTING PROCEDURES

- 10.1 The Line Share Turn-Up Test will be performed only on HFPL orders. Line Share Turn-Up Test is comprised of several work steps to be completed by SBC Michigan central office technician to ensure that no loads are present on the loop, cross-connects are verified, and the correct telephone number is verified on the cable pair leaving the central office.
- 10.2 Line Share Turn-Up Test will be completed by close of business one (1) day prior to due date.
- 10.3 Detailed procedures of this Line Share Turn-Up Test can be located in the CLEC Handbook under the Line Share User Guide Manual and Technical Publication Section. MCIIm will not be billed for the Line Share Turn-Up Test.

11 SPECTRUM MANAGEMENT

The Parties shall use spectrum management to manage the deployment of HFPL in accordance with the standards set forth in Section 8 of Appendix xDSL of this Agreement.

NETWORK INTERCONNECTION METHODS/INTERCONNECTION TRUNKING

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This Appendix Network sets forth the terms and conditions for (1) Network interconnection Methods (as set forth in sections 1 – 6) and (2) Interconnection Trunking Requirements (as set forth in sections 7 – 21) between the Parties' networks. For the purposes of this Appendix, "facilities" are the physical paths by which traffic is carried between the Parties' networks. "Trunking" requirements are the capacity needs related to the number of ports in a switch to support the amount of traffic being handed off between the networks. The Parties acknowledge that they entered into an "Amendment Superseding Certain Reciprocal Compensation, Interconnection and Trunking Terms" dated June 11, 2001 (hereafter the "Reciprocal Compensation Amendment"). The Parties also acknowledge and agree that the Reciprocal Compensation Amendment is intended, during its term (February 1, 2001 through May 31, 2004, unless otherwise agreed to by the Parties), to supplement and supersede, as applicable, certain terms and conditions of this Appendix Network. The Parties agree that, during the term of the Reciprocal Compensation Amendment, any inconsistencies between the Reciprocal Compensation Amendment and this Appendix will be governed by the provisions of the Reciprocal Compensation Amendment. The Parties further agree that, not less than six (6) months prior to the expiration of the term of the Reciprocal Compensation Amendment, they will commence good faith negotiations for successor terms and conditions to those provisions of the Reciprocal Compensation Amendment falling within the scope of this Appendix Network. The Parties agree that any failure to agree on such successor provisions shall be subject to the dispute resolution procedures.

1 NETWORK INTERCONNECTION METHODS

- 1.1 Upon request by MCI, SBC Michigan shall provide interconnection for the facilities and equipment of MCI with SBC Michigan's network for the transmission and routing of Telephone Exchange Service and Exchange Access at any Technically Feasible point within SBC Michigan's network. The interconnection must be at least equal in quality to that provided by SBC Michigan to itself or to any subsidiary, Affiliate, or any Third Party to which SBC Michigan provides Interconnection. SBC Michigan shall provide Interconnection on rates, terms and conditions that are just, reasonable and nondiscriminatory in accordance with the terms and conditions of this Agreement and the requirements of the Act.
- 1.2 In accordance with the requirements of this Agreement, the Parties shall provide Interconnection at any Technically Feasible point, by any Technically Feasible means, including, but not limited to, a Fiber Meet.
- 1.3 If MCI determines to establish new or change existing Interconnection arrangements with SBC Michigan, it will provide written notice of the need to establish or change such Interconnection to SBC Michigan. Upon receipt of MCI's notice to interconnect, the Parties shall within thirty (30) days or other mutually agreed to timeframe schedule a meeting to negotiate and mutually agree on the network architecture (including trunking). The Interconnection Activation date will be mutually agreed upon and will begin based on a reasonable schedule established at these meetings.
- 1.4 If either Party deploys additional Tandems and/or End Office switches in a LATA after the Effective Date or otherwise wishes to establish Interconnection with additional switches in such LATA, the Parties will work cooperatively to establish such Interconnection.
- 1.5 SBC Michigan's network is partly comprised of End Office switches, Tandem switches that serve IntraLATA and InterLATA traffic, and Tandem switches that serve a combination of local, IntraLATA and InterLATA traffic. SBC Michigan's network architecture in any given LATA can vary markedly from another LATA. MCI and SBC Michigan agree to trunk their networks through existing and/or new Interconnection facilities between MCI switch(es) and SBC Michigan End Office(s) and/or Tandem switch(es).

- 1.6 The physical architecture plan will, at a minimum, include the location of MCI's switch(es) and SBC Michigan's End Office switch(es) and/or Tandem switch(es) to be interconnected, the facilities that will connect the two networks and which Party will provide (be financially responsible for) the Interconnection facilities.
- 1.7 The Parties will designate Points of Interconnection for demarcation of the Parties' networks for purposes of maintenance and provisioning. SBC Michigan will be responsible for engineering and maintaining its network on its side of the Points of Interconnection. MCI will be responsible for engineering and maintaining its network on its side of the Points of Interconnection.

2 PHYSICAL ARCHITECTURE

- 2.1 The Parties agree that the target interconnection architecture is a Fiber Meet as defined in this Appendix. This architecture is to be negotiated for each switch in a LATA, with the goal between the Parties to have equal investment and to create a shared value facility. However, the Parties recognize that embedded interconnection facilities exist in many locations with various architectures in various states of utilization. The Parties agree that on a going forward basis, the target architecture will be implemented to create shared value facilities that provide equal investment, unless otherwise agreed. These facilities are for the provisioning of local/IntraLATA and InterLATA interconnection trunks, as well as miscellaneous trunks such as 911, HVCI, and OS/DA trunks, where appropriate. In existing LATA that do not utilize a Fiber Meet, the Parties will negotiate in each LATA the most appropriate and efficient transition to the desired architecture, or alternate architecture that captures the concept of equal investment and shared value. Within thirty (30) days of a request by either Party, the Parties will meet to discuss the transition plan.
- 2.2 As noted above, the Fiber Meet is the target architecture, except in scenarios where it is not feasible or agreed upon. Exceptions to the target architecture may include scenarios where embedded investment is sufficient to meet forecasted needs for a particular location.
- 2.3 "Points of Interconnection" or "POI" means a physical location at which the Parties' networks meet for the purpose of establishing interconnection. POIs include a number of different technologies and technical interfaces based on the Parties' mutual agreement.
- 2.4 The Parties agree to establish new or change existing POIs, the Parties agree to meet as often as necessary to negotiate the implementation of the new or changed POIs. The overall goal of POI selection will be to achieve a balance in the provision of facilities that is fair to both Parties. Criteria to be used in determining POIs for each LATA, include existing facility capacity, location of existing POIs, traffic volumes, relative costs, future capacity needs, etc. The POI will be documented and distributed to both Parties.
- 2.5 Each Party is financially responsible for providing all of the facilities and engineering on its respective side of the POI and may utilize any method of Interconnection described in this Appendix, except as set forth below. Each Party is responsible for the appropriate sizing, operation, and maintenance of the transport facility to the POI. At least one POI must be established in the operating territory within the LATA where SBC Michigan operates as an incumbent LEC and MCI has a local switch and end user customers in that SBC Michigan operating territory.
- 2.6 Should MCI wish to interconnect a switch or switches that are physically located outside of the SBC Michigan operating territory and not serving SBC Michigan rate centers, then the terms and conditions of that Interconnection shall be established separately from this Interconnection Agreement, either by a LEC to LEC Traffic

Termination Agreement, or by purchasing facilities from the applicable SBC Michigan's Access Tariff, or as otherwise mutually agreed.

2.7 MCIIm will designate the POI or POIs and determine the method or methods by which the Parties interconnect. MCIIm may, at its discretion, establish a single POI in each LATA in which it originates local, IntraLATA toll or meet point switched access traffic. The Parties acknowledge that, pursuant to the Reciprocal Compensation Amendment, MCIIm agreed, in some instances, to establish more than one POI per LATA in which MCIIm originates traffic, in exchange for SBC Michigan's agreement to certain reciprocal compensation terms and conditions. The Parties agree that MCIIm may, at its discretion, continue to maintain these additional POIs after the expiration of the Reciprocal Compensation Amendment but shall be under no obligation to do so and may decide to maintain only a single POI per LATA.

2.7.1 LATA Wide Terminating Interconnection. MCIIm may elect LATA Wide Terminating Interconnection with SBC Michigan. Under such an arrangement, the Parties will establish Local Interconnection Trunk Groups to a single SBC Michigan Tandem designated by MCIIm for the termination of all Local Interconnection Traffic destined for any SBC Michigan office in that LATA.

2.7.2 Tandem Level Terminating Interconnection. MCIIm may elect Tandem Level Terminating Interconnection with SBC Michigan. Under such an arrangement, the Parties will establish Local Interconnection Trunk Groups to each SBC Michigan Access Tandem in a LATA in which MCIIm originates Local Interconnection Traffic and interconnects with SBC Michigan.

2.8 Intentionally Omitted.

2.9 Intentionally Omitted.

2.10 Intentionally Omitted.

3 METHODS OF INTERCONNECTION

3.1 Physical Collocation

3.1.1 When MCIIm provides its own facilities or uses the facilities of a 3rd Party to an SBC Michigan Tandem or End Office and wishes to place its own transport terminating equipment at that location, MCIIm may interconnect using the provisions of Physical Collocation as set forth in Appendix Collocation.

3.2 Virtual Collocation

3.2.1 When MCIIm provides its own facilities or uses the facilities of a 3rd Party to an SBC Michigan Tandem or End Office and wishes for SBC Michigan to place transport terminating equipment at that location on MCIIm's behalf, they may interconnect using the provisions of Virtual Collocation as set forth in Appendix Collocation. Virtual Collocation allows MCIIm to choose the equipment vendor and does not require that MCIIm be Physically Collocated.

3.3 Central Office Interconnection Without Collocation

3.3.1 When MCIIm does not wish to collocate transport terminating equipment at an SBC Michigan Tandem or End Office, MCIIm may self provision, deploy third

party interconnection facilities, or lease transport facilities from SBC Michigan. When MCIIm leases such transport facilities from SBC Michigan, it shall be at UNE based rates.

3.4 Fiber Meet Interconnection

3.4.1 Intentionally Omitted.

3.4.2 Fiber Meet is the preferred network Interconnection method. In addition, the Parties further agree that the design option described herein is the preferred fiber meet design. The Parties may mutually agree to other design options. Where the Parties interconnect their networks pursuant to a Fiber Meet, the Parties shall jointly engineer and operate the Interconnection as described herein. Only Interconnection trunks (e.g. not FGD traffic) shall be provisioned over this facility. Additional arrangements may be mutually developed and agreed to by the Parties pursuant to the requirements of this section.

3.4.3 Neither Party will be allowed to access the Data Communications Channel ("DCC") of the other Party's Fiber Optic Terminal (FOT). The Fiber Meet will be designed so that each Party may, as far as is technically feasible, independently select the transmission, multiplexing, and fiber terminating equipment to be used on its side of the POI(s). The Parties will work cooperatively to achieve equipment and vendor compatibility of the FOT equipment. Requirements for such Interconnection specifications will be defined in joint engineering planning sessions between the Parties. The Parties will use good faith efforts to develop and agree on these facility arrangements within ninety (90) days of the determination by the Parties that such specifications shall be implemented, and in any case, prior to the establishment of any Fiber Meet arrangements between them.

3.4.4 The Parties will mutually agree on the minimum data rate hand off of the SONET transmission system and it will be determined during implementation meetings. The Parties may agree to an initial minimum deployment of facilities at the OC48 level.

3.4.4.1 SBC Michigan shall, wholly at its own expense, procure, install, and maintain the specified Fiber Optic Terminal ("FOT") equipment in each SBC Michigan Wire Center where the Parties establish a Fiber Meet. The FOT must have capacity sufficient to provision and maintain all trunk groups in accordance with the requirements of this Appendix.

3.4.4.2 MCIIm shall, wholly at its own expense, procure, install and maintain the specified FOT equipment in each MCIIm Wire Center where the Parties establish a Fiber Meet. The FOT must have capacity sufficient to provision and maintain all trunk groups in accordance with the requirements of this Appendix.

3.4.4.3 Both MCIIm and SBC Michigan each provide two fibers between their locations. SBC Michigan will provide the fibers associated with the "working" side of the system. MCIIm will provide the fibers associated with the "protection" side of the system. The Parties will work cooperatively to terminate each other's fiber in order to provision this joint point-to-point linear chain SONET system with 1+1 protection. Both Parties will work cooperatively to determine the appropriate technical handoff for purposes of demarcation and fault

isolation. The POI will be defined as being at the SBC Michigan location.

3.4.5 Each Party shall provide its own, unique source for the synchronized timing of its FOT equipment. Both Parties agree to establish separate and distinct timing sources, which are not derived from the other, and meet the criteria identified above.

3.4.6 Each Party shall use its best efforts and cooperate with the other to ensure that fiber received from the other Party will enter the Party's Wire Center through a POI separate from that which the Party's own fiber exited. Both Parties shall research the fiber routes to ensure diversity and discuss at the joint planning meetings.

3.5 Other Interconnection Methods

3.5.1 SBC Michigan shall provide any other technically feasible Interconnection method requested by MCI.

4 LEASING OF FACILITIES

4.1 The purpose of this section is to cover both MCI's and SBC Michigan's terms and conditions and pricing when facilities are leased from each other for purposes of Interconnection. SBC Michigan offers leased facilities at UNE based rates.

4.2 The Parties leasing of facilities from each other for purposes of this Appendix will be subject to mutual agreement of the Parties.

4.3 Leasing of facilities from either Party for the above purposes and any future augmentations are subject to facility availability at the time of the written request.

5 INTENTIONALLY OMITTED

6 SIZING AND STRUCTURE OF INTERCONNECTION FACILITIES

6.1 The Parties shall work cooperatively to install and maintain efficient and reliable Interconnection arrangements.

6.2 The capacity of Interconnection facilities provided by each Party will be based on mutual forecasts and sound engineering practice, as agreed by the Parties during planning and forecasting meetings. The Parties will mutually agree to determine the appropriate sizing for facilities based on these standards.

6.3 The Parties shall work cooperatively to ensure the adequacy of Interconnection facilities. The Parties shall begin discussion to plan facility relief when the overall system facility is at fifty percent (50%) of capacity, or as otherwise agreed. Facilities will be augmented to ensure adequate facility capacity for at least two years of forecasted traffic. Both Parties will negotiate a project service date and corresponding work schedule to construct relief facilities prior to facilities exhaust.

7 INTERCONNECTION TRUNKING ARRANGEMENTS

7.1 General

7.1.1 The Parties will establish trunk groups to exchange combined local, intraLATA toll, and transit traffic (referred to in this Appendix Network Interconnection as "Local Interconnection Trunk Groups").

- 7.1.2 The Parties will establish other Interconnection trunk groups as may be required for the exchange of other traffic, including but not limited to Meet Point, Mass Calling, 911, and Operator Services and Directory Assistance.
 - 7.1.3 Either Party may order and establish Interconnection trunk groups in addition to the initial combinations described above.
 - 7.1.4 Unless otherwise agreed to, each Party shall deliver all traffic destined to terminate at either party's Switch in accordance with the serving arrangements defined in this Agreement and the LERG.
 - 7.1.5 Where the Parties deliver miscellaneous calls (i.e., time, weather, etc.) destined for each other over the Local Interconnection Trunk Groups, the Parties shall deliver the traffic in accordance with the serving arrangements defined in the LERG.
- 7.2 Technical Interfaces
- 7.2.1 When interconnecting at SBC Michigan's switches, the Parties have a preference for use of B8ZS ESF one-way or two-way trunks for all traffic between their networks. Where available, each Party shall cooperate to ensure that its trunk groups are configured utilizing the B8ZS ESF protocol. Where AMI trunks are used, either Party may request upgrade to B8ZS ESF when such equipment is available.
 - 7.2.2 The Parties agree to provide trunking electrical handoffs of DS1 or DS3 and at optical handoffs of OCn levels where available and mutually agreed between the Parties. When a DS3 handoff is agreed to by the Parties, SBC Michigan will provide any multiplexing required for DS1 facilities or trunking at their end and MCIm will provide any DS1 multiplexing required for facilities or trunking at their end.

8 TRUNKING

- 8.1 SBC Michigan deploys in its network Tandems that switch local only traffic, Tandems that switch IntraLATA and InterLATA traffic (Access Tandem) and Tandems that switch both local and IntraLATA/InterLATA traffic (local/Access Tandem). In addition SBC Michigan deploys Tandems that switch ancillary traffic such as 911 (911 Tandem), Operator Services/ Directory Assistance (OPS/DA Tandem), and mass calling (choke Tandem). Traffic on Tandem trunks does not terminate at the Tandem but is switched to other trunks that terminate the traffic in End Offices and ultimately to end user customers.
- 8.2 Two-way trunking shall be established when possible and appropriate for a given trunk group. The Parties agree to exchange traffic data on two-way trunks and to implement such an exchange within three (3) months of the date that two-way trunking is established and the trunk groups begin passing live traffic, or another date as agreed to by the Parties. Exchange of traffic data will permit each company to have knowledge of the offered and overflow load at each end of the two-way trunk group, and thereby enable accurate and independent determination of performance levels and trunk requirements. The Parties agree to the electronic exchange of data as described in the Trunk Data Exchange section below.
 - 8.2.1 Relative Use Factor (RUF). The provider of a two-way trunk facility will share the cost of such trunk facility with the other Party by applying a relative use factor ("RUF") determined pursuant to the requirements of this Section 8.2.1 and Section 8.2.2. The charge to the other Party shall be calculated by applying the RUF in effect between the Parties for the billing period in question. As of the Effective Date of this Agreement, the provider of a two-way trunk facility will

share the cost of the two-way trunk facility by assuming an initial RUF (“Initial RUF”) of fifty percent (50%). This Initial RUF shall continue in effect for both bill reduction and payments until the Parties have agreed upon a new RUF in accordance with the requirements of Section 8.2.2. The Parties specifically acknowledge that, in calculating any RUF pursuant to this Section, they shall include ISP traffic exchanged on the two-way trunk facilities.

8.2.2 Adjusted RUF. If either Party demonstrates that actual minutes of use during the most recent calendar month justify a RUF different than the one in effect (i.e., demonstrate that the traffic balance is not 50% between the Parties), the Parties will meet at the request of either Party to update and implement a new RUF (“Adjusted RUF”) reflecting the actual accumulated minutes of use during the most recent calendar month. If the Parties cannot agree on an Adjusted RUF within thirty (30) days following initiation of negotiations therefor, either Party may immediately invoke the dispute resolution provisions set forth in this Agreement. Once negotiation of an Adjusted RUF is finalized, the Parties shall amend the Agreement to reflect the new RUF and bill reductions and payments will apply going forward, for a minimum of six months. During the term of this Agreement, either Party may, in accordance with the requirements of this Section 8.2.2, seek to further adjust any RUF that has been in effect for at least six months.

8.3 Intentionally Omitted.

8.3.1 End Office Trunk Groups

8.3.1.1 Direct End Office trunks terminate traffic from a MCIIm switch to an SBC Michigan End Office and are not switched at a Tandem location. The Parties shall establish a direct End Office trunk group when End Office traffic requires twenty-four (24) or more trunks. Overflow from either end of the Direct End Office trunk group will be alternate routed to the appropriate Tandem unless the End Office doesn’t subtend any tandem. All traffic received by SBC Michigan on the Direct End Office trunk group from MCIIm must terminate in the End Office, i.e. no Tandem switching will be performed in the End Office.

8.4 In addition to the Interconnection trunking arrangements described above, either party may establish End Office-to-End Office or End Office-to-Tandem or Tandem-to-Tandem trunk groups. In the case of host-remote End Offices, trunking arrangements may be established at the location of the host or the remote, if technically feasible.

8.5 The Parties recognize that embedded one-way trunks exist for Local/IntraLATA toll traffic via end point meet facilities. The Parties agree the existing one-way trunking architecture may remain in place and be augmented for growth as needed. The Parties may subsequently agree to negotiate a transition plan to migrate the embedded one-way trunks to two-way trunks via a Fiber Meet architecture. The Parties will coordinate any such migration, trunk group prioritization, and implementation schedule. The Parties agree to develop a cutover plan and project manage the cutovers.

9 MEET POINT TRUNKING ARRANGEMENTS

9.1 IXC-carried intraLATA and interLATA toll traffic shall be transported between MCIIm’s Central Office and SBC Michigan’s Access Tandem over a “Meet Point” Trunk Group separate from Local and IntraLATA Toll traffic. InterLATA trunk groups will utilize SS7 signaling, except Multi-Frequency (“MF”) signaling will be used on a separate “Meet Point” trunk group to complete originating calls to switched access customers that use MF FGD signaling protocol.

- 9.2 Meet Point Interconnection Trunk Groups will be established between MCI's Switch and SBC Michigan Access or combined Local Access Tandem to transport InterLATA traffic separate from local and IntraLATA toll traffic. The Parties will establish separate trunk groups to each SBC Michigan Access Tandem under which MCI's NXXs home using DS-1 or DS-3 facilities separate from those used for Local Interconnection Trunk Groups.
- 9.3 When SBC Michigan has more than one (1) Access Tandem in a LATA, MCI may utilize a single InterLATA trunk group to the designated SBC Michigan Access Tandem as agreed to by the Parties. If the Access Tandems are in two (2) different states, MCI shall establish an InterLATA trunk group with one (1) Access Tandem in each state. Where there is more than one Access Tandem and a constrained Access Tandem condition develops, the Parties agree to develop a mutually acceptable plan to establish a Meet Point Trunk Group to another SBC Michigan Access Tandem.
- 9.4 SBC Michigan will not block switched access customer traffic delivered to the SBC Michigan Tandem for completion on MCI's network. In no event will SBC Michigan be required to route such traffic through more than one Tandem for connection to/from switched access customers. SBC Michigan shall have no responsibility to ensure that any switched access customer will accept traffic that MCI directs to the switched access customer. SBC Michigan also agrees to furnish MCI, upon request, a list of those IXCs which also interconnect with SBC Michigan's Access Tandem(s).
- 9.5 Toll Free Trunking Arrangements
- 9.5.1 If MCI chooses SBC Michigan to handle 800/(8YY) database queries from its switches, all MCI originating 800/(8YY) traffic will be routed over the InterLATA meet point trunk group. This traffic will include a combination of both Interexchange Carrier (IXC), 800/(8YY) service and MCI 800/(8YY) service that will be identified and segregated by carrier through the database query handled through SBC Michigan Tandem switch.
- 9.5.2 MCI may handle its own 800/8YY database queries from its switch. If so, MCI will determine the nature (local/IntraLATA/InterLATA) of the 800/8YY call based on the response from the database. If the query determines that the call is a local or IntraLATA 800/8YY number, MCI will route the post-query local or IntraLATA converted ten-digit local number to SBC Michigan over the local or IntraLATA trunk group. In such case, MCI is to provide an 800/8YY billing record when appropriate. If the query reveals the call is an InterLATA 800/8YY number, MCI will route the post-query InterLATA call (800/8YY number) directly from its switch for carriers interconnected with its network or over the meet point group to carriers not directly connected to its network but are connected to SBC Michigan's Access Tandem. Calls will be routed to SBC Michigan over the local/IntraLATA and InterLATA trunk groups within the LATA in which the calls originate.
- 9.5.3 All post queried SBC Michigan carried IntraLATA Toll Free Service calls must be delivered over a Local/IntraLATA Trunk Group. Current technology dictates that post queried SBC Michigan carried IntraLATA Toll Free Service calls will be identified with the appropriate Carrier Code and the local POTS number. In such case, MCI is to provide a Toll Free billing record when appropriate.
- 9.5.4 In the alternative, all originating Toll Free Service calls for which MCI requests that SBC Michigan perform the "SSP" function, with the exception of SBC Michigan carried IntraLATA Toll Free Service calls, must be delivered over a Meet Point Trunk Group. MCI will send the unqueried call over the Meet Point Trunk Group with the "CIC" for SBC Michigan to perform query and hand off to appropriate 800 service provider.

- 9.5.5 All post queried SBC Michigan carried IntraLATA Toll Free Service calls for which MCIIm requests that SBC Michigan perform the "SSP" function must be delivered over a Local/IntraLATA Trunk Group. All post-query Toll Free Service (800/8YY) calls for which MCIIm performs the SSP function, if delivered to SBC Michigan, shall be delivered using GR-394 format over the Meet Point Trunk Group for calls destined to IXCs, or shall be delivered by MCIIm using GR-317 format over the Local Interconnection trunk group for calls destined to End Offices that directly subtend the Tandem.

10 911 TRUNKING ARRANGEMENTS

- 10.1 Upon request, SBC Michigan will provide nondiscriminatory access to its 911/E911 facilities and databases, equal in quality to that provided to itself, facilitating the provision of service to MCIIm. SBC Michigan will coordinate with MCIIm, provision of transport capacity sufficient to route originating 911 calls from MCIIm's POI to the designated selective router, meeting a minimum P.01 grade of service at all times. The Parties agree to provide access to 911/E911 in a manner that is transparent to the Customer. The Parties will work together to facilitate the prompt, reliable, and efficient Interconnection of MCIIm's systems to SBC Michigan's 911/E911 platforms, with a level of performance that will provide at least the same grade of service as that which SBC Michigan provides to itself, its Customers, subsidiaries, Affiliates or any third-party.
- 10.2 MCIIm, with SBC Michigan's cooperation shall establish dedicated trunks from MCIIm's Central Office to each SBC Michigan 911/E911 selective router (i.e., 911 Tandem Office) that serves the areas in which MCIIm provides Exchange Service, for the provision of 911/E911 services and for access to all subtending PSAPs ("911 Interconnection Trunk Groups"). MCIIm may establish such Interconnection by providing its own facilities/trunks, or by leasing such facilities/trunks from a third party or SBC Michigan. Facilities/Trunks will be provided based on the prices in the Appendix Pricing.
- 10.2.1 TRUNKING EXCEPTION - Anything to the contrary in section 10.2, the Parties agree that MCIIm shall not be required to establish 911 trunking or interconnection to SBC Illinois's 911 Selective Routers in rate centers where MCIIm does not originate local (dial tone) traffic for its end user customers ("Non-Dial Tone Rate Centers"). MCIIm shall identify such Non-Dial Tone Rate Centers when completing the "CLEC to SBC Network Information Sheet" ("NIS") and SBC Illinois specifically agrees that no other notification shall be required of MCIIm. SBC Illinois shall not be required to provide 911 services for those Non-Dial Tone Rate Centers designated by MCIIm on a NIS. MCIIm agrees that it will not originate dial tone service for its customers in such Non-Dial Tone Rate Centers until 911 connectivity has been established pursuant to the requirements of this Agreement and Applicable Law. MCIIm acknowledges that, if MCIIm wishes to begin offering originating dial tone service in a Non-Dial Tone Rate Center, the establishment of 911 connectivity for these existing rate centers shall be subject to the same intervals for establishing 911 connectivity that are applicable to new rate centers. When MCIIm designates a rate center as a Non-Dial Tone Rate Center, MCIIm agrees to indemnify SBC Illinois, in accordance with the requirements of the General Terms, for any 911 claims made by MCIIm's customers in that Non-Dial Tone Rate Center arising from MCIIm's decision not to interconnect with SBC Illinois's 911 Selective Routers in that Non-Dial Tone Rate Center.
- 10.3 SBC Michigan shall assure sufficient capacity at the 911 selective router to meet MCIIm's requests for Interconnection within twenty (20) business days after receipt of the request. When SBC Michigan network force and load conditions require a longer implementation timeframe, SBC Michigan will notify MCIIm within five (5) business days after receipt of the request and the timeframe will be agreed upon. MCIIm may purchase diverse paths

out of Appendix Pricing but SBC Michigan is not responsible to provide diversity for MCIIm to the 911 selective router.

- 10.4 SBC Michigan shall provide the following information to MCIIm, and shall promptly notify MCIIm of any changes:
 - 10.4.1 SBC Michigan processes and requirements for ordering trunks for 911 service and Interconnection to the 911 selective router.
 - 10.4.2 Trunk group specifications.
 - 10.4.3 E911 tandem CLLI codes, circuit IDs, point codes, LEC order number, and TS (Two Six) code and address.
 - 10.4.4 Description of SBC Michigan's diversity for facility routing, where technically feasible.
 - 10.4.5 Maintenance procedures for 911 trunk groups, including, but not limited to, contact names and numbers, escalation lists, and the hours that maintenance is available.
 - 10.4.6 For SBC Michigan only, the SBC Michigan Trunk Group Design Guide ("TGDG") will be provide to MCIIm. The TGDG will provide specific information on SBC Michigan selective routers for each rate center/NPA-NXX to assist MCIIm in designing its 911 trunk groups.
 - 10.4.7 Lists of rate centers in which DMS Management and selective routing for E911 calls is provided by different entities for different portions of the same rate center. This information may be incorporated into the SBC Michigan TGDG.
- 10.5 MCIIm will monitor the 911 circuits for the purpose of determining originating network traffic volumes. MCIIm will notify SBC Michigan if the traffic study information indicates that additional circuits are required to meet the current level of 911 call volumes.
- 10.6 Incoming trunks for 911 shall be engineered to assure minimum P.01 grade of service as measured using the "busy day/busy hour" criteria.
- 10.7 Interconnection for Primary and Diverse Routes. MCIIm's point of Interconnection for E911/911 Service can be at the SBC Michigan Central Office, a Collocation point, or via a facility provisioned directly to the SBC Michigan 911 selective router. These facilities are the financial responsibility of MCIIm. MCIIm shall pay tariff charges for Diverse routes. MCIIm will be responsible for determining the proper quantity of trunks from its End Office(s) to the SBC Michigan Central Office(s). MCIIm will order trunks from SBC Michigan to go between the SBC Michigan Central Office and the SBC Michigan Control Office. These trunks shall be delivered by SBC Michigan within twenty (20) business days after receipt of the request. When SBC Michigan network force and load conditions require a longer implementation timeframe, SBC Michigan will notify MCIIm within five (5) business days after receipt of the request and the timeframe will be agreed upon. Following delivery, MCIIm and SBC Michigan will cooperate to promptly test all transport facilities between MCIIm's network and the SBC Michigan Control Office to assure proper functioning of the 911 service. MCIIm will not turn-up live 911 traffic until successful call through testing is completed by both parties.
- 10.8 MCIIm will be responsible for providing a separate 911 trunk group for each rate center, county or geographic area that it serves if such rate center, county or geographic area has a separate default routing condition. In addition, in the case of CAMA MF trunks, only one (1) NPA of traffic may be transmitted over a single 911 trunk group. When a unique

default routing condition is present, MCI shall provide sufficient trunking and facilities to accommodate those default PSAP requirements. MCI is responsible for requesting facilities routed diversely for 911 interconnection.

- 10.9 MCI shall be responsible for determining the proper quantity of trunks and facilities from its switch(es) to the SBC Michigan 911 selective router Office(s).
- 10.10 MCI shall provide sufficient facilities/trunks to route MCI originating 911 calls to the 911 selective router. MCI is responsible to request facilities routed diversely for 911 interconnection.
- 10.11 MCI shall be responsible for determining the proper quantity of facilities/trunks from its switch(es) to the ILEC 911 selective router Office(s).
- 10.12 MCI shall monitor the 911 trunks for the purpose of determining originating network traffic volumes. If the traffic study indicates that additional trunks are needed to meet the current level of 911 call volumes, MCI shall request additional trunks from SBC Michigan.
- 10.13 MCI acknowledges that its End Users in a single local calling scope may be served by different selective routers and MCI shall be responsible for providing facilities to route calls from its End Users to the proper 911 selective router.

11 HIGH VOLUME CALLING TRUNK GROUPS

- 11.1 The Parties will cooperate to establish separate trunk groups for the completion of calls to high volume customers, such as radio contest lines.
- 11.2 A dedicated trunk group shall be required to the designated Public Response HVCI/Mass Calling Network Access Tandem in each serving area. This trunk group shall be one-way outgoing only and shall utilize MF signaling. As the HVCI/Mass Calling trunk group is designed to block all excessive attempts toward HVCI/Mass Calling NXXs, it is necessarily exempt from the one percent blocking standard described elsewhere for other final local Interconnection trunk groups. MCI will have administrative control for the purpose of issuing ASRs on this one-way trunk group.
- 11.3 It is recommended that this group shall be sized as follows:

Number of Access Lines Served	Number of Mass Calling Trunks
0 – 10,000	2
10,001 – 20,000	3
20,001 – 30,000	4
30,001 – 40,000	5
40,001 – 50,000	6
50,001 – 60,000	7
60,001 – 75,000	8
75,000 +	9 maximum

- 11.4 If MCIIm should acquire a HVCI/Mass Calling customer, i.e. a radio station, MCIIm shall notify SBC Michigan of the need to establish a one-way outgoing SS7 or MF trunk group from the SBC Michigan HVCI/Mass Calling Serving Office to the CLEC customer's serving office and SBC Michigan shall establish this trunk group.
- 11.5 If MCIIm finds it necessary to issue a new choke telephone number to a new or existing HVCI/Mass Calling customer, MCIIm may request a meeting to coordinate with SBC Michigan the assignment of HVCI/Mass Calling telephone number from the existing choke NXX. In the event that MCIIm establishes a new choke NXX, MCIIm must notify SBC Michigan a minimum of ninety (90) days prior to deployment of the new HVCI/Mass Calling NXX. SBC Michigan will perform the necessary translations in its End Offices and Tandem(s) and issue ASR's to establish a one-way outgoing SS7 or MF trunk group from the SBC Michigan Public Response HVCI/Mass Calling Network Access Tandem to MCIIm's choke serving office.
- 11.6 Where SBC Michigan and MCIIm both provide HVCI/Mass Calling trunking, both Parties' trunks may ride the same DS-1. MF or SS7 trunk groups shall not be provided within a DS-1 facility; a separate DS-1 per signaling type must be used.

12 OPERATOR SERVICES TRUNKING ARRANGEMENTS

- 12.1 If SBC Michigan agrees through a separate appendix or contract to provide Operator Services for MCIIm the following trunk groups are required:
- 12.1.1 Where MCIIm purchases Operator Services from SBC Michigan, the Parties will establish separate trunk groups from MCIIm's Switch to SBC Michigan operator switch ("Operator Services Trunk Groups").
- 12.1.2 When SBC Michigan's operator is under contract to provide Busy Line Verification/Emergency Interrupt service to MCIIm's end user customer, SBC Michigan will utilize a separate one-way trunk group using MF signaling, from SBC Michigan's Operator Services Tandem to MCIIm's Switch.
- 12.2 MCIIm will initiate an ASR for a one-way trunk group from its designated Operator assistance switch to the SBC Michigan Operator assistance switch utilizing MF signaling. Likewise, SBC Michigan will initiate an ASR for a one-way MF signaling trunk group from its Operator assistance switch to MCIIm's designated Operator assistance switch.
- 12.2.1 MCIIm will furnish request for service in writing to SBC Michigan, thirty calendar (30) days in advance of the date when the Inward Assistance Operator Services are to be undertaken, unless otherwise agreed to by SBC Michigan. MCIIm or its designated operator services providers shall submit Access Service Requests (ASRs) to SBC Michigan to establish any new interconnection trunking arrangements.

13 DIRECTORY ASSISTANCE TRUNKING ARRANGEMENTS

- 13.1 MCIIm may contract for DA services only. A segregated trunk group for these services will be required to the appropriate SBC Michigan Operator Services Tandem in the LATA for the NPA MCIIm wishes to serve. This trunk group is setup as one way outgoing only and utilizes Modified Operator's Services Signaling (2 Digit Automatic Number Identification (ANI)).

14 SIGNALING

- 14.1 Unless otherwise indicated in this Agreement or, agreed upon by the Parties, the Parties will interconnect their networks using SS7 signaling as defined in GR-317 and GR-394, including ISDN User Part ("ISUP") for trunk signaling and Transaction Capabilities Application Part ("TCAP") for CCS-based features in the Interconnection of their networks. Either Party may establish CCS Interconnections either directly or through a Third Party. The Parties will cooperate in the exchange of TCAP messages to facilitate full interoperability of CCS-based features between their respective networks, including all CLASS features and functions, to the extent each carrier offers these features and functions to its own end user customers. All CCS signaling parameters will be provided, including, but not limited to, Automatic Number Identification (ANI), Calling Party Number (CPN), Calling Party Category, Charge Number, Originating Line Information (OLI), etc. All privacy indicators will be honored.
- 14.2 Where available, the Parties will provide network signaling information such as Transit Network Selection ("TNS") parameter, Carrier Identification Codes ("CIC"), (CCS Platform) and CIC/OZZ information (non-CCS environment) at no charge wherever this information is needed for call routing or billing. The Parties will follow all industry standards pertaining to TNS and CIC/OZZ codes.
- 14.3 Transit Signaling. Any signaling information which is received by SBC Michigan from transiting traffic shall be forwarded to MCI. SBC Michigan will not be liable for any CPN that is not passed from another carrier.

15 REPORTING

- 15.1 SBC Michigan shall provide facility and trunking utilization reports specific to MCI/SBC Michigan's interconnection trunk groups of the same kind and type that SBC Michigan provides to itself or other CLECs.
- 15.2 SBC Michigan shall provide any reports required in Appendix Performance Measurements, as required by that Appendix.
- 15.3 SBC Michigan shall report any other information, which might adversely impact its Interconnection with MCI as soon as it becomes aware of this information.

16 FORECASTING

- 16.1 MCI agrees to provide an initial non-binding trunk forecast for establishing the initial Interconnection trunks. SBC Michigan shall review this forecast and if it has any additional information that will change the forecast shall provide this information to MCI. Subsequent forecasts shall be provided on a semi-annual basis, not later than January 1 and July 1 in order to be considered in the semi-annual publication of the SBC Michigan General Trunk Forecast. These forecasts should include yearly forecasted trunk quantities for all appropriate trunk groups described in this Appendix for a minimum of three (3) years. Parties agree to the use of Common Language Location Identification (CLLI) coding and Common Language Circuit Identification for Message Trunk coding (CLCI-MSG).
- 16.2 SBC Michigan shall accommodate all orders for trunks within forecast. Orders for trunks that exceed forecasted quantities for forecasted locations by more than 48 additional DS-0 trunks for each Local Interconnection Trunk Group will be accommodated as facilities or equipment becomes available. Parties shall make all reasonable efforts and cooperate in good faith to develop alternative solutions to accommodate orders when facilities are not available.

- 16.3 If forecast quantities are in dispute by more than 48 additional DS-0 trunks for each Local Interconnection Trunk Group, the Parties shall meet to reconcile the forecast to within 48 DS-0 trunks.
- 16.4 The semi-annual forecasts shall include:
- 16.4.1 Yearly forecasted trunk quantities (which include measurements that reflect actual Tandem local Interconnection and InterLATA trunks, End Office Local Interconnection trunks, and Tandem subtending Local Interconnection End Office equivalent trunk requirements) for a minimum of three (current and plus 1 and plus 2) years; and
- 16.4.2 A description of major network projects anticipated for the following six months. Major network projects include trunking or network rearrangements, shifts in anticipated traffic patterns, orders greater than four (4) DS1's, or other activities that are reflected by a significant increase or decrease in trunking demand for the following forecasting period.
- 16.5 Each Party shall provide a specified point of contact for planning, forecasting, and trunk servicing purposes.
- 16.6 MCI and SBC Michigan will review engineering requirements on a semi-annual basis and establish forecasts for facilities utilization provided under this Appendix.

17 TRUNK DESIGN BLOCKING CRITERIA

- 17.1 Trunk requirements for forecasting and servicing shall be based on the blocking objectives shown in Table 1.

TABLE 1

Trunk Group Type	Design Blocking Objective
Local Tandem	1%
Local Direct End Office (Primary High)	ECCS ¹
Local Direct End Office (Final)	1%
IntraLATA	1%
Local/IntraLATA	1%
InterLATA (Meet Point) Tandem	1%
911	1%
Operator Services (DA/DACC)	1%
Operator Services (0+, 0-)	1%

¹ During implementation the Parties will mutually agree on an ECCS or some other means for the sizing of this trunk group.

Busy Line Verification-Inward Only 1%

18 TRUNK SERVICING

- 18.1 Trunk sizing responsibilities for Operator Services trunks used for stand-alone Operator Service are the sole responsibility of MCIIm.
- 18.2 Utilization shall be defined as Trunks required as a percentage of Trunks In Service. Trunks required shall be determined using methods described in this Appendix using Design Blocking Objectives stated above.
- 18.3 Each Party agrees to service trunk groups to the foregoing blocking criteria in a timely manner when trunk groups exceed measured blocking thresholds.
- 18.4 Orders between the Parties to establish, add, change or disconnect trunks shall be processed by using an Access Service Request (ASR). MCIIm will have administrative control for the purpose of issuing ASR's on one-way or two-way trunk groups. In SBC Michigan where one-way trunks are used (as discussed above), SBC Michigan will issue ASRs for trunk groups for traffic that originates in SBC Michigan and terminates to MCIIm. The Parties agree that neither party shall alter trunk sizing without first conferring with the other Party.
- 18.5 Both Parties may send an ASR or a Trunk Group Service Request (TGSR) to the other party to trigger changes to the Local Interconnection Trunk Groups based on capacity assessment. The TGSR is a standard industry support interface. MCIIm's preference is to use the ASR process to trigger changes to Local Interconnection Trunk Groups. Upon receipt of a TGSR, the receiving Party will issue an ASR to the other Party within ten (10) business days. The intervals used for the provisioning process will be the same as those used for SBC Michigan Switched Access service.
- 18.6 In A Blocking Situation:
- 18.6.1 In a blocking final situation, a TGSR will be issued SBC Michigan when additional capacity is required to reduce measured blocking to objective design blocking levels based upon analysis of trunk group data. Either Party upon receipt of a TGSR in a blocking situation will issue an ASR to the other Party within three (3) business days after receipt of the TGSR or sooner as agreed to by the Parties, and upon review and in response to the TGSR received. MCIIm will note "Service Affecting" on the ASR.
- 18.7 In A Under Utilization Situation:
- 18.7.1 Those situations where more capacity exists than actual usage requires will be handled in the following manner:
- 18.7.1.1 If a trunk group is under 75 percent (75%) of CCS capacity on a monthly average basis, for each month of any three (3) consecutive months period, either Party may issue an order to resize the trunk group, which must be left with not less than twenty-five percent (25%) excess capacity. In all cases grade of service objectives shall be maintained.
- 18.7.1.2 Upon review of the TGSR, if a Party does not agree with the resizing, the Parties will schedule a joint planning discussion within the ten (10) business days. The Parties will meet to resolve and mutually agree to the handling of the TGSR.

- 18.7.1.3 If the sending Party does not receive an ASR, or if the receiving Party does not respond to the TGSR by scheduling a joint discussion within the ten (10) business day period, the sending Party will attempt to contact the receiving Party to schedule a joint planning discussion. The Parties agree that neither Party shall alter trunk sizing without first conferring with the other Party, but that failure to agree on trunk sizing in no way limits either Parties's rights to invoke Dispute Escalation and Resolution Procedures set forth in this Agreement.

19 PROVISIONING

- 19.1 SBC Michigan shall provide a Firm Order Confirmation (FOC) within five business days for trunk augments, and within seven business days for new trunk groups, after receipt of the order upon review of and in response to the order received.
- 19.1.1 When SBC Michigan confirms an MCI order via FOC with the due date, this signifies that SBC Michigan has determined facilities are available to process MCI's order. If subsequently, facilities are found not to be available, MCI shall utilize SBC Michigan's escalation process. For facility/switching equipment shortages, SBC Michigan shall include relief date status and explanation for the shortage under the "REMARKS" field. If no relief date is available, "further status due date" shall be provided. On the date that status is due, SBC Michigan shall re-FOC with updated status by close of business.
- 19.2 Orders that comprise a major project must be submitted at the same time, and their implementation will be jointly planned and coordinated. Major projects are unusual or extraordinary projects that require the coordination and execution of multiple orders, greater than 4 DS1s or related activities between and among SBC Michigan and MCI work groups, including, but not limited to, the initial establishment of Local Interconnection or Meet Point Trunk Groups and service in an area, NXX code moves, re-homes, facility grooming, or network rearrangements.
- 19.3 The Parties shall cooperate with each other to test all trunks prior to turn up.
- 19.4 Due dates and intervals used for the provisioning process will be the same as those used for the Parties' Switched Access service, but in any event no later than thirty (30) days. The Parties shall notify each other if there is any change affecting the service requested, including, but not limited to, the due date. If either Party is unable to or not ready to perform Acceptance Tests, or is unable to accept the Local Interconnection Service Arrangement trunk(s) by the due date, the other Party will provide with a requested revised service due date that is no more than thirty (30) calendar days beyond the original service due date. If either Party requests a service due date change which exceeds the allowable service due date change period, the ASR must be canceled by the issuing Party. Should the issuing Party fail to cancel such ASR, the other Party shall treat that ASR as though it had been canceled.
- 19.5 The Parties shall share responsibility for all Control Office functions for Local Interconnection trunks and Trunk Groups, and both Parties shall share the overall coordination, installation, testing, and maintenance responsibilities for these trunks and trunk groups.
- 19.6 MCI is responsible for all Control Office functions for all other Interconnection trunks and trunk groups, and is responsible for the overall coordination, installation, testing, and maintenance responsibilities for these trunks and trunk groups.
- 19.7 MCI and SBC Michigan shall:
- 19.7.1 Provide trained personnel with adequate and compatible test equipment to work with each other's technicians.

- 19.7.2 Notify each other when there is any change affecting the service requested, including the due date.

20 TRUNK DATA EXCHANGE

- 20.1 SBC Michigan shall provide Data Interexchange Carrier (DIXC) traffic data for all trunk groups terminating in MCI's network.
- 20.2 The Parties agree to exchange traffic data on trunks and to implement such an exchange within three (3) months of the date that trunking is established and the trunk groups begin passing live traffic, or another date as agreed to by the Parties. Exchange of traffic data will permit each company to have knowledge of the offered and overflow load at each end of the two-way trunk group, and thereby enable accurate and independent determination of performance levels and trunk requirements. The Parties agree to the electronic exchange of data. Parties agree to establish a timeline for implementing an exchange of traffic data utilizing the DIXC process via network data mover (NDM)/FTP computer to computer File Transfer Process (FTP).
- 20.3 DIXC traffic data will include, but not be limited to, the following:
- 20.3.1 Usage (total usage measured in centum call seconds)
 - 20.3.2 Peg Count (Peg count of originating call attempts including overflow)
 - 20.3.3 Overflow (Peg count of originating call attempts failing to find an idle trunk)
 - 20.3.4 Maintenance Usage (total maintenance usage measured in centum call seconds)
 - 20.3.5 Maintenance Busy Counts (total count of trunks made maintenance busy)
- 20.4 DIXC traffic data shall be collected as follows:
- 20.4.1 Hourly on the clock hour
 - 20.4.2 Twenty-four (24) hours per day (0000-2400)
 - 20.4.3 Seven (7) days per week (including holidays)
 - 20.4.4 Fifty-two (52) weeks per year

21 MAINTENANCE TESTING AND REPAIR

- 21.1 MCI and SBC Michigan shall work cooperatively to install and maintain a reliable network. MCI and SBC Michigan shall exchange appropriate information (e.g., maintenance contact numbers, network information, information required to comply with law enforcement and other security agencies of the Government and such other information as the Parties shall mutually agree) to achieve this desired reliability. In addition, the Parties agree to:
- 21.1.1 Coordinate and schedule testing activities of their own personnel, and others as applicable, to ensure its Interconnection trunks/trunk groups are installed per the Interconnection order, meet industry standard acceptance test requirements, and are placed in service by the due date. MCI will be initiator of the joint activities.
 - 21.1.2 Perform trouble sectionalization to determine if a trouble is located in its facility or its portion of the Interconnection trunks prior to referring the trouble to each other.
 - 21.1.3 Advise each other's Control Office if there is an equipment failure that will affect the Interconnection trunks.
 - 21.1.4 Provide each other with a trouble reporting number that is readily accessible and available twenty-four (24) hours per day / seven (7) days a week.

- 21.1.5 Provide to each other test line numbers and access to test lines, including a test line number that returns answer supervision in each NPA-NXX opened by a Party.

22 THIRD PARTY TRANSIT TRAFFIC

- 22.1 MCIIm shall route Transit Traffic via SBC Michigan Tandem switches, and not at or through any SBC Michigan End Offices. This trunk group will be serviced in accordance with the Trunk Design Blocking Criteria discussed above.
- 22.2 SBC Michigan shall provide transit service to MCIIm whether or not MCIIm has an interconnection agreement with another LEC, CLEC or CMRS provider for which local and intraLATA toll traffic between the two transits SBC Michigan's network. However, SBC Michigan is not required to act as a clearinghouse or billing agent for either MCIIm or the third party while performing transit service. SBC Michigan shall send appropriate information (e.g. MOU) to MCIIm so that MCIIm can render a bill. As set forth in Appendix Pricing of this Agreement, SBC Michigan shall be compensated by MCIIm for traffic originated by MCIIm and terminated by a third-party carrier which transits SBC Michigan's network. It is up to the originating and terminating LECs which utilize SBC Michigan's network to work out their own financial arrangements through an agreement between themselves.
- 22.3 SBC Michigan shall pass all traffic delivered from MCIIm destined to third-party LECs, CLECs, or CMRS providers in the LATA.
- 22.4 SBC Michigan shall pass all traffic delivered from third-party LECs, CLECs, or CMRS providers in the LATA destined to MCIIm's network.
- 22.5 Intentionally Omitted.

23 NETWORK MANAGEMENT

- 23.1 Protective Controls. Either Party may use protective network traffic management controls such as 3, 7, and 10 digit code gaps on traffic toward each other's network, when required to protect the public switched network from congestion due to facility failures, switch congestion or failure or focused overload. MCIIm and SBC Michigan shall immediately notify each other of any protective control action planned or executed.
- 23.2 Expansive Controls. Where the capability exists, originating or terminating traffic re-routes may be implemented by either Party to temporarily relieve network congestion due to facility failures or abnormal calling patterns. Reroutes will not be used to circumvent normal trunk servicing. Expansive controls will only be used when mutually agreed to by the Parties.
- 23.3 Mass Calling. MCIIm and SBC Michigan shall cooperate and share pre-planning information regarding cross-network call-ins expected to generate large or focused temporary increases in call volumes, to prevent or mitigate the impact of these events on the public switched network.

NUMBER PORTABILITY

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1 GENERAL

- 1.1 Permanent Number Portability (PNP) is only available to Certified Local Exchange Carriers (MCIIm).
- 1.2 PNP is an arrangement whereby an end user customer that switches local exchange service subscription from one LEC to another LEC is permitted to retain the existing LEC telephone number assigned to the end user for its use. For the porting of a number, the end user customer's location must remain within the rate center associated with the NPA-NXX of the end user customer's telephone number.
- 1.3 The Parties agree that the industry has established Local Routing Number (LRN) technology as the method by which Permanent Number Portability (PNP, also referred to as Long-Term Number Portability, or LNP) will be provided in response to applicable FCC Orders. As such, the parties agree to provide PNP via LRN to each other as required by such applicable FCC Orders or applicable national standards such as ATIS (Alliance for Telecommunications Industry Solutions) and NENA (National Emergency Number Association).

2 LOCAL NUMBER PORTABILITY DESCRIPTION

- 2.1 The switch's LRN software determines if the called Party is in a portable NXX. If the called Party is in a portable NXX, a query is launched to the PNP database to determine whether or not the called number is ported.
- 2.2 When the called number with a portable NXX is ported, an LRN is returned to the switch that launched the query. Per industry interoffice signaling standards, the LRN appears in the CPN (Calling Party Number) field of the SS7 message and the called number then appears in the GAP (Generic Address Parameter) field. In addition, the Jurisdictional Identification Parameter (JIP) field will be populated with the first six digits (NPA-NXX format) of the appropriate LRN of the originating switch.
- 2.3 When the called number with a portable NXX is not ported, the call is completed as in the pre-PNP environment.
- 2.4 The FCI (Forward Call Identifier) field's entry is changed from 0 to 1 by the switch triggering the query when a query is made, regardless of whether the called number is ported or not.
- 2.5 The N-1 carrier (N carrier is the responsible Party for terminating call to the end user customer) has the responsibility to determine if a query is required, to launch the query, and to route the call to the switch or network in which the telephone number resides.
- 2.6 If MCIIm chooses not to fulfill their N-1 carrier responsibility, SBC Michigan will perform queries on calls to telephone numbers with portable NXXs received from the N-1 carrier and route the call to the switch or network in which the telephone number resides.
- 2.7 MCIIm shall be responsible for payment of charges to SBC Michigan for any queries made on the N-1 carrier's behalf. The price of PNP Queries shall be in Appendix Pricing.

3 REGULATIONS

- 3.1 Each Party shall become responsible for end user customers telecommunication related items, e.g., E911, Directory Listings, Operator Services, Line Information Data Base (LIDB), when they port the end user customers telephone number to their switch. Each Party agrees to follow the industry standards for National Emergency (NENA) and industry agreements for migration of E911 record data.
- 3.1.1 The Parties do not offer PNP in conjunction with service codes (e.g., 411) or Service Access codes (e.g., 500, 700, 800, 900), or codes assigned to each Party for their own use, e.g. an NXX assigned for the Party's official service.
- 3.1.2 The Porting Party is responsible for advising the Number Portability Administration Center (NPAC) of telephone numbers that they import and the associated data as identified in industry forums as being required for PNP.
- 3.1.3 When either Party makes a switch LNP capable, all applicable NXXs in that switch will be shown as portable in the LERG.
- 3.1.4 Both Parties will work cooperatively to implement appropriate OBF LSR guidelines and NANC due date intervals. These LSR formats may differ between companies by geography and where it is necessary to change format, the Parties making the change agree to inform the other company and work cooperatively to implement the change.
- 3.1.5 The Parties agree to port reserved numbers per the NANC guidelines.
- 3.1.6 Unless pooling of numbers is required, when a ported telephone number becomes vacant (e.g. the telephone number is no longer in service by the original end user customer) the ported telephone number will be released back to the carrier owning the switch in which the telephone number's NXX is native. If number pooling is required, the Parties agree to abide by such requirements in regard to now vacant, previously ported numbers.
- 3.1.7 Industry guidelines shall be followed regarding all aspects of porting numbers from one network to another.
- 3.1.8 Each Party shall abide by NANC provisioning and implementation process.
- 3.1.9 Intracompany testing shall be performed prior to the scheduling of intercompany testing.
- 3.1.10 Each Party will designate a single point of contact (SPOC) to schedule and perform required testing. These tests will be performed during a mutually agreed time frame and must meet the criteria set forth by the InterIndustry LNP National Operations Team for porting.

4 LIMITATIONS

- 4.1. For PNP, MCIIm shall submit a separate DSR for the listing of MCIIm's end user customer in White Pages and Directory Assistance.

5 PROVISIONING OF PNP

- 5.1. PNP Coordinated Cutovers. Coordinated cutovers for the porting of subscribers via PNP will be performed in the same manner as that prescribed below. In addition, the Old Service Provider shall not perform a disconnect until directed to do so by the New Service Provider.
- 5.2. PNP Non-Coordinated Cutovers. Non-coordinated cutovers for the porting of numbers via PNP will be performed in the same manner as that set forth below.

5.2.1 Coordinated Cutovers

5.2.1.1 Coordinated Cutovers. SBC Michigan shall provide MCIIm with a Coordinated Cutover upon MCIIm's written request. For the porting of a telephone number where a Coordinated Cutover has been requested, the Parties will schedule the cutover during a mutually agreeable time frame.

5.2.1.2 Non-Coordinated Cutovers. For the porting of a telephone number where a Coordinated Cutover has not been requested, the Parties will mutually agree on a scheduled cutover time frame, and SBC Michigan shall promptly notify MCIIm when the cutover is complete. In the event that a non-coordinated cutover cannot be completed as scheduled, SBC Michigan shall promptly restore the Customer's service and shall minimize Customer out-of-service time. For both Coordinated Cutovers and non-Coordinated Cutovers, each Party shall remain responsible for the coordination of its respective work groups involved in the cutover, including, but not limited to, the coordination of work centers charged with manual cross-connects, electronic cross-connect mapping and switch translations (including, but not limited to, implementation of PNP translations).

NUMBERING

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1 INTRODUCTION

- 1.1 This Appendix sets forth the terms and conditions under which SBC Michigan will coordinate with MCIIm with respect to NXX assignments.

2 GENERAL TERMS AND CONDITIONS

- 2.1 Nothing in this Agreement shall be construed to limit or otherwise adversely impact in any manner either Party's right to employ or to request and be assigned any North American Numbering Plan (NANP) number resources from the numbering administrator including, but not limited to, central office (NXX) codes pursuant to the Central Office Code Assignment Guidelines, or to establish, by tariff or otherwise, Exchanges and Rating Points corresponding to such NXX codes. Each Party is responsible for administering the NXX codes it is assigned.
- 2.2 At a minimum, in those Metropolitan Exchange Areas where MCIIm is properly certified by the appropriate regulatory body and intends to provide local exchange service, MCIIm shall obtain a separate NXX code for each SBC Michigan Rate Center which is required to ensure compliance with the industry-approved Central Office Code (NXX) Assignment Guidelines (most current version) or other industry approved numbering guidelines and the FCC's Second Report & Order in CC Docket 95-116, released August 18, 1997 (Local Number Portability). Where pooling is done, MCIIm will obtain blocks of numbers in thousand increments rather than a full NXX for rate areas served by MCIIm.
- 2.3 Pursuant to Section 7.3 of the North American Numbering Council Local Number Portability Architecture and Administrative Plan report, which was adopted by the FCC, Second Report and Order, CC Docket 95-116, released August 18, 1997, portability is limited to Rate Center/Rate District boundaries of the incumbent LEC due to rating and routing concerns.
- 2.4 Each Party is responsible to test, load, program and update its own switches and network systems to recognize and route traffic to the other Party's assigned NXX codes at all times. Neither Party shall impose fees or charges on the other Party for such required programming and updating activities.
- 2.5 Each Party is responsible to input required data into the Routing Data Base Systems (RDBS) and into the Telcordia Rating Administrative Data Systems (BRADS) or other appropriate system(s) necessary to update the Local Exchange Routing Guide (LERG), unless negotiated otherwise.
- 2.6 Neither Party is responsible for notifying the other Parties' end user customers of any changes in dialing arrangements, including those due to NPA exhaust.
- 2.7 NXX Migration
- 2.7.1 NXX reassignment/migration is permissible upon agreement of the Parties. Upon request by either Party to migrate an NXX, the Parties will determine the reassignment/migration process and any applicable charges. In a pooling environment, LNP will be the migration method pursuant to number pooling guidelines.

2.8 Test Numbers

2.8.1 Each Party is responsible for providing to the other, valid test numbers. One number terminating to a VOICE announcement identifying the Company and one number terminating to a milliwatt tone providing answer supervision and allowing simultaneous connection from multiple test lines. Both numbers should remain in service indefinitely for regressive testing purposes.

2.9 Where MCIIm has obtained its own NXX, but has purchased SBC Michigan's Network Elements, SBC Michigan shall install the MCIIm NXX in SBC Michigan's switch according to the appropriate number administration functions.

2.10 SBC Michigan shall accept MCIIm orders for specific numbers and block numbers.

OPERATIONS SUPPORT SYSTEM

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1 INTRODUCTION

- 1.1 This Appendix sets forth the terms and conditions under which SBC Michigan provides access to SBC Michigan's Operations Support System (OSS) "functions" to MCI as for pre-ordering, ordering, provisioning, and maintenance/repair, and billing as provided by SBC Michigan.
- 1.2 With respect to all matters covered by this Appendix, the Parties will comply with the SBC Plan of Record (POR) final version for Uniform and Enhanced OSS ("Uniform POR") as approved by the FCC on 9/22/00 and the SBC-13STATE Change Management Process "CMP" Document, subject to applicable state law or Commission orders. If specific performance under this Appendix is not detailed in the Uniform POR or CMP, it will then be governed by the terms and conditions of this Appendix.
- 1.3 Definitions
 - 1.3.1 "LSC" means Information Industry Service Center (IISC) for SBC Michigan.
 - 1.3.2 "LOC" means the Customer Response Unit (CRU) for SBC Michigan.

2 GENERAL CONDITIONS

- 2.1 Performance Standards. SBC Michigan shall comply with the service guarantees and Performance Standards, measurements, and reporting regarding OSS Functions, set forth in Appendix Performance Measurements. Further, SBC Michigan will compensate MCI in accordance with Appendix Performance Measurements for any OSS Function-related Performance Standards SBC Michigan fails to meet.
- 2.2 MCI agrees to utilize SBC Michigan electronic interfaces, as described herein, for the purposes of establishing and maintaining Resale Services, UNEs, local number portability, or local Interconnection trunking through SBC Michigan. In addition, MCI agrees that for SBC Michigan region such use will comply with SBC Michigan's Security Policies and Guidelines incorporated in Section 8. Notwithstanding anything in this appendix to the contrary, failure to comply with such security guidelines may result in forfeiture of electronic access to OSS functionality. In addition, MCI agrees to indemnify and hold SBC Michigan harmless against any claim made by an end user customer of MCI or other third party against SBC Michigan caused by or related to MCI's use of any SBC Michigan OSS. SBC Michigan shall be permitted to audit all activities by MCI using any SBC Michigan OSS not more than once annually, upon written notice to MCI. Such written notice shall specify the type of information SBC Michigan is seeking and shall also specify the reason SBC Michigan is seeking the audit, including any alleged "misuse" of the OSS by MCI. MCI shall provide the requested information within fourteen (14) days of receiving notice from SBC Michigan. All such information obtained through an audit shall be deemed proprietary and shall be covered by the General Terms and Conditions.
- 2.3 The Dispute Resolution (DR) process set forth in the ICA shall apply to any issues, which arise under this Appendix, including any alleged non-compliance with these security guidelines.
- 2.4 To the extent Resale and Unbundled Network Elements (UNE), local number portability and interconnection trunking, pre-ordering, ordering, provisioning and maintenance/repair, and billing functions as provided herein are available electronically, they will be accessible via OSS interfaces as described herein. Manual access remains

available via the Local Service Center (LSC) and the Local Operations Center (LOC) to the extent described below. Should SBC Michigan develop electronic interfaces for these functions for itself, its affiliates and/or other CLECs, SBC Michigan will offer electronic access to these functions to MCIIm at parity. The Parties agree that electronic order processing is more efficient than manual order processing. During implementation or upon SBC Michigan's request, the Parties will negotiate a threshold volume of orders after which electronic ordering is required. Once MCIIm is submitting more than the agreed to threshold amount, but not later than twelve (12) months from the Effective Date of this Agreement, MCIIm will no longer submit orders manually. Provided, however, when the electronic order processing is unavailable for a substantial period of time, or where a given order cannot be processed electronically, SBC Michigan shall accept manual orders.

- 2.5 Within SBC Michigan, and other SBC Michigan regions, MCIIm's access to pre-order functions described in Section 3 will only be utilized to view Customer Proprietary Network Information (CPNI) of MCIIm's end user customer accounts and any other end user customer accounts where MCIIm has obtained an authorization for release of CPNI from the end user customer. The authorization for release of CPNI shall comply with state and federal rules or guidelines concerning access to such information. MCIIm's obligation to obtain authority prior to accessing CPNI electronically, as set forth in the preceding provisions, is subject to modification in accordance with any governing regulatory decisions expressly addressing this subject matter.
- 2.6 MCIIm will obtain authorization for change in local exchange service and release of CPNI that adheres to all requirements of state and federal law, as applicable CPNI, includes customer name, billing and service address, billing telephone number(s), any and all exemption status or current status of eligibility for reduced charges, and identification of features and services subscribed to by customer. The following additional terms shall apply to MCIIm's access:
 - 2.7 Intentionally Omitted.
 - 2.8 Intentionally Omitted.
 - 2.9 By utilizing any electronic interfaces, MCIIm agrees not to knowingly alter any applicable Resale rates and charges where they are subject to the terms of this Agreement and applicable tariffs dependent on region of operation, or SBC Michigan's UNE rates and charges, dependent upon region of operation, per the terms of this Agreement.
- 2.10 MCIIm agrees to use reasonable business efforts to submit orders that are correct and complete. SBC Michigan will use reasonable business efforts to process MCIIm's orders before rejecting MCIIm orders for accuracy and completeness. The Parties agree to conduct internal and independent reviews for accuracy. MCIIm is also responsible for all actions of its employees using any of SBC Michigan's OSS systems. As such, MCIIm agrees to accept and pay all reasonable costs or expenses, including labor costs, incurred by SBC Michigan caused by any and all inaccurate ordering or usage of the OSS, if such costs are not already recovered through other charges assessed by SBC Michigan to MCIIm.
- 2.11 Work Center for OSS Single Point of Contact. SBC Michigan has a single help desk, called the Information Services Call Center (ISCC), which provides technical support as MCIIm's single point of contact (SPOC) for all of SBC Michigan electronic OSS interfaces involved in the pre-ordering, ordering, provisioning, and maintenance/repair and billing of Network Elements and Local Resale services. MCIIm will also provide a single point of contact for technical support issues related to the electronic interfaces.

- 2.12 Within a commercially reasonable time, if such does not already exist between the Parties, SBC Michigan and MCIIm will establish interface contingency plans and disaster recovery plans for the pre-order, ordering and provisioning and maintenance/repair, and billing for Resale services, UNEs, local number portability, or interconnection trunking.
- 2.13 The Parties will follow the final adopted guidelines of SBC Competitive Local Exchange (CLEC) 13-State Interface Change Management Process as may be modified from time to time in accordance with the Change Management principles. Certain OSS interfaces described in this Appendix may be modified, temporarily unavailable or may be phased out after execution of this appendix. SBC Michigan shall provide proper notice of interface phase out as required by the Change Management process. The Parties acknowledge that Change Management processes may be affected by the Uniform POR once approved by FCC.
- 2.14 SBC Michigan and MCIIm agree to participate in and abide by resolutions of the Order and Billing Forum (OBF) and the Telecommunications Industry Forum (TCIF) to establish and conform to uniform industry guidelines for electronic interfaces for pre-order, ordering, and provisioning. Neither Party waives its rights as participants in such forums or in the implementation of the guidelines. To achieve system functionality as quickly as possible, the Parties acknowledge that SBC Michigan may deploy these interfaces with requirements developed in advance of industry guidelines. Thus, subsequent modifications may be necessary to comply with emerging guidelines consistent with requirements of this Appendix.
- 2.15 MCIIm and SBC Michigan are individually responsible for evaluating the risk of developing their respective systems in advance of guidelines and agree to support their own system modifications to comply with new requirements. In addition, SBC Michigan has the right to define LSR Usage requirements according to the practices in the OBF Local Service Ordering Guidelines (LSOG).
- 2.16 MCIIm is responsible for obtaining operating system software and hardware to access SBC Michigan OSS functions as specified in the document "Ameritech Electronic Service Order Guide", or any other documents or interface requirements subsequently generated by SBC Michigan for any of its regions.

3 PRE-ORDER

- 3.1 SBC Michigan will provide access to pre-order functions at parity with what it provides to itself, its affiliate(s) and/or any other CLEC, to support MCIIm ordering of services via electronic interfaces. Real time access to pre-order functions that may be developed in the future will be offered to MCIIm to the extent and on the same basis as SBC Michigan provides to itself or its affiliates and/or any other CLEC. The Parties acknowledge that ordering requirements necessitate the use of current, real time pre-order information to accurately build service orders. The following lists represent pre-order functions that are available to MCIIm so that MCIIm order requests may be created to comply with SBC Michigan region-specific ordering requirements.
- 3.2 Pre-ordering information either manually or electronically for Resale and UNEs includes:
- 3.2.1 feature and service availability for a valid service address shall be made available on a service address basis.
- 3.2.2 access to Customer Proprietary Network Information (CPNI) for SBC Michigan retail or resold services and account information for pre-ordering will include: billing name, service address, billing address, service and feature subscription,

directory listing information, long distance carrier identity and pending service order activity. MCIIm agrees to comply with CPNI requirements described herein.

- 3.2.3 a telephone number (if the end user customer does not have one assigned) with or without the end user customer on-line;
 - 3.2.4 service availability dates to the end user customer;
 - 3.2.5 information regarding whether dispatch is required;
 - 3.2.6 Primary Interexchange Carrier (PIC) options for intraLATA toll and interLATA toll;
 - 3.2.7 service address verification.
 - 3.2.8 Channel facility assignment (CFA), network channel (NC), and network channel interface (NCI) data.
- 3.3 SBC Michigan Resale and UNE Services Pre-Order System Availability: SBC Michigan will provide MCIIm access to the following system:
- 3.3.1 EDI is available for the pre-ordering functions listed above.
- 3.4 Other Pre-order Function Availability:
- 3.4.1 Where pre-ordering functions are not available electronically MCIIm will manually request this information from the LSC for inclusion on the service order request.
 - 3.4.2 When “back-end” systems are not fully functional and the LSC is unable to obtain the information requested by MCIIm, SBC Michigan shall use its best efforts to provide MCIIm with the expected restoral time of the back-end systems.
 - 3.4.3 Upon request, Data Validation Files are available for the purpose of providing requesting CLECs with an alternate method of acquiring that pre-ordering information considered to be relatively static. For SBC Michigan, the following information is available via Connect:Direct and CD-ROM: Street Address Guide (SAG), Service and Feature Availability by NXX, and a PIC/LPIC Codes.

4 ORDERING/PROVISIONING

- 4.1 SBC Michigan shall provide, through electronic interfaces, provisioning and premises visit installation support for coordinated scheduling, status, and dispatch capabilities as provided in the Uniform POR.
- 4.2 SBC Michigan will provide electronic access to ordering functions to support MCIIm provisioning of services provided herein as described below. Real time access to ordering functions will be made available to MCIIm at parity with what SBC Michigan provides to itself or its affiliate(s) and/or any other CLEC. Intervals for Performance Measurements will be as defined in Appendix Performance Measurements. To order Resale services and UNEs, MCIIm will format the service request to identify what features, services, or elements it wishes SBC Michigan to provision in accordance with SBC Michigan ordering requirements.
- 4.3 Resale and UNE Service Order Request Ordering System:

- 4.3.1 SBC Michigan makes available to MCIIm an Electronic Data Interchange (EDI) interface for transmission of MCIIm orders via SBC Michigan Local Service Request (LSR) formats as defined in the SBC Michigan Local Service Order Requirements (LSOR). In ordering and provisioning Resale, MCIIm and SBC Michigan will utilize industry guidelines developed by OBF and TCIF to transmit data based upon SBC Michigan Resale ordering requirements in accordance with Uniform POR. In ordering and provisioning UNE, MCIIm and SBC Michigan will utilize industry guidelines developed by OBF and TCIF to transmit data based upon SBC Michigan UNE ordering requirements in accordance with Uniform POR. In addition, Local Number Portability (LNP), and where applicable, Interim Number Portability (INP), will be ordered consistent with the OBF LSR and EDI process.
- 4.3.2 In ordering and provisioning Unbundled Dedicated Transport and local interconnection trunks, MCIIm and SBC Michigan will utilize industry ASR guidelines developed by OBF based upon SBC Michigan ordering requirements.
- 4.4 Provisioning for Resale Services and UNEs in SBC Michigan: SBC Michigan will provision Resale services and UNEs as detailed in MCIIm order requests. Electronic access to status on such orders will be provided via the EDI electronic interface.
 - 4.4.1 For EDI ordering, SBC Michigan provides MCIIm, and MCIIm uses, an EDI interface for transferring and receiving orders, Firm Order Confirmation (FOC), Service Order Completion (SOC), and, as available, other provisioning data and information (e.g., jeopardies and rejects) as described in the Uniform POR.
- 4.5 “As is migrations” (meaning, a Local Service Request that seeks to convert the End User Customer with whatever array of services he or she currently has) shall not be permitted.

5 MAINTENANCE/REPAIR

- 5.1 Real time electronic interfaces are accessible in SBC Michigan to place and check the status of trouble reports for both Resale and UNE. Upon request, MCIIm may access these functions via the following methods:
 - 5.1.1 In SBC Michigan, Electronic Bonding for Trouble Administration-GUI (EBTA-GUI) allows MCIIm to issue trouble tickets, view status, and view trouble history on-line. SBC Michigan shall provide an Estimated Time To Repair (ETTR) on all trouble reports at parity with what it provides its affiliates, its retail customers and other CLECs.
 - 5.1.2 In SBC Michigan, Electronic Bonding Trouble Administration (EBTA) is an interface that is available for trouble report submission and status updates. This EBTA conforms to ANSI guidelines T1:227:1995 and T1.228:1995, Electronic Communications Implementation Committee (ECIC) Trouble Report Format Definition (TFRD) Number 1 as defined in ECIC document ECIC/TRA/95-003, and all guidelines referenced within those documents, as mutually agreed upon by MCIIm and in SBC Michigan. Functions currently implemented will include Enter Trouble, Request Trouble Report Status, Add Trouble Information, Modify Trouble Report Attributes, Trouble Report Attribute Value Change Notification, and Cancel Trouble Report, as explained in 6 and 9 of ANSI T1.228:1995. MCIIm and SBC Michigan will exchange requests over a mutually agreeable X.25-based network.

6 BILLING

- 6.1 For Resale Services in SBC Michigan, MCIIm may elect to receive its bill on CD. Electronic access to billing information for Resale Services will also be available via the following interfaces:
- 6.1.1 MCIIm may receive a Usage Extract Feed electronically in SBC Michigan. On a daily basis, this feed provides information on the usage billed to its accounts for resale services in the industry standardized Exchange Message Interface (EMI) format.
 - 6.1.2 SBC Michigan shall provide local disconnect report records via the EDI 836 transaction set.
 - 6.1.3 In SBC Michigan, MCIIm may receive a mechanized bill via the SBC Michigan Electronic Billing System (AEBS) transaction set. Additional mechanized billing options will be forthcoming as described in the Uniform POR.
- 6.2 Electronic access to billing information for UNEs will also be available via the following interfaces:
- 6.2.1 SBC Michigan makes available to MCIIm a local bill data tape to receive data in an electronic format from its CABS database. The local bill data tape contains the same information that would appear on MCIIm's paper bill.
 - 6.2.2 MCIIm may receive a Usage Extract Feed electronically in SBC Michigan. On a daily basis, this feed provides information on the usage billed to its accounts for UNE in the industry standardized Exchange Message Interface (EMI) format.
- 6.3 SBC Michigan shall provide timely notice of customer migrations of MCIIm to SBC Michigan or from MCIIm to another carrier. In the event that SBC Michigan fails to provide timely notice of such migrations, and such failure results in improper billing by MCIIm, SBC Michigan shall, upon MCIIm's request, notify the affected customer(s) that continued billing after the migration was the fault of SBC Michigan, not MCIIm or, if applicable, the other carrier.

7 REMOTE ACCESS FACILITY

- 7.1 For SBC Michigan, MCIIm may use three types of access: Switched, Private Line, and Frame Relay. For Private Line and Frame Relay "Direct Connections," MCIIm shall provide its own router, circuit, and two Channel Service Units/Data Service Units (CSU/DSU). The demarcation point shall be the router interface at the LRAF and/or PRAF. Switched Access "Dial-up Connections" require MCIIm to provide its own modems and connection to the SBC Michigan ARAF. MCIIm shall pay the cost of the call if Switched Access is used.
- 7.2 For SBC Michigan, MCIIm shall use TCP/IP to access SBC Michigan OSS via the LRAF, ARAF, SRAF, and the PRAF. In addition, MCIIm shall have one valid Internet Protocol (IP) network address per region. MCIIm shall maintain a user-id/password unique to each individual for accessing an SBC Michigan OSS on MCIIm's behalf. MCIIm shall provide estimates regarding its volume of transactions, number of concurrent users, desired number of private line or dial-up (switched) connections, and length of a typical session.
- 7.3 For SBC Michigan, MCIIm shall attend and participate in implementation meetings to discuss MCIIm LRAF/PRAF/ARAF/SRAF access plans in detail and schedule testing of

such connections.

8 DATA CONNECTION SECURITY REQUIREMENTS

8.1 MCIIm agrees that interconnection of MCIIm data facilities with SBC Michigan data facilities for access to OSS will be in compliance with SBC Michigan's Competitive Local Exchange Carrier (CLEC) Operations Support System Interconnection Procedures document current at the time of initial connection to a RAF. The following additional terms in this Section govern direct and dial up connections between MCIIm and the PRAF, LRAF, ARAF and SRAF for access to OSS Interfaces.

8.2 Joint Security Requirements

8.2.1 Both Parties will maintain accurate and auditable records that monitor user authentication and machine integrity and confidentiality (e.g., password assignment and aging, chronological logs configured, system accounting data, etc.)

8.2.2 Both Parties shall maintain accurate and complete records detailing the individual data connections and systems to which they have granted the other Party access or interface privileges. These records will include, but are not limited to, user ID assignment, user request records, system configuration, time limits of user access or system interfaces. These records should be kept until the termination of this Agreement or the termination of the requested access by the identified individual. Either Party may initiate a compliance review of the connection records to verify that only the agreed to connections are in place and that the connection records are accurate.

8.2.3 Each Party shall notify the other party immediately, whenever its current user id or system access request is no longer approved or considered authorized for access.

8.2.4 Both Parties shall use an industry standard virus detection software program at all times. The Parties shall immediately advise each other by telephone upon actual knowledge that a virus or other malicious code has been transmitted to the other Party.

8.2.5 All physical access to equipment and services required to transmit data will be in secured locations. Verification of authorization will be required for access to all such secured locations. A secured location is where walls and doors are constructed and arranged to serve as barriers and to provide uniform protection for all equipment used in the data connections which are made as a result of the user's access to either the MCIIm or SBC Michigan network. At a minimum, this shall include: access doors equipped with card reader control or an equivalent authentication procedure and/or device, and egress doors which generate a real-time alarm when opened and which are equipped with tamper resistant and panic hardware as required to meet building and safety standards.

8.2.6 Both Parties shall maintain accurate and complete records on the card access system or lock and key administration to the rooms housing the equipment utilized to make the connection(s) to the other Party's network. These records will include management of card or key issue, activation or distribution and deactivation.

8.3 Additional Responsibilities of Both Parties

- 8.3.1 Modem/DSU Maintenance And Use Policy: To the extent the access provided hereunder involves the support and maintenance of MCI equipment on SBC Michigan's premises, such maintenance will be provided under the terms of the Competitive Local Exchange Carrier (CLEC) Operations Support System Interconnection Procedures document cited above.
 - 8.3.2 Monitoring: Each Party will monitor its own network relating to any user's access to the Party's networks, processing systems, and applications. This information may be collected, retained, and analyzed to identify potential security risks without notice. This information may include, but is not limited to, trace files, statistics, network addresses, and the actual data or screens accessed or transferred.
 - 8.3.3 Each Party shall notify the other Party's security organization immediately upon initial discovery of actual or suspected unauthorized access to, misuse of, or other "at risk" conditions regarding the identified data facilities or information. Each Party shall provide a specified point of contact. If either Party suspects unauthorized or inappropriate access, the Parties shall work together to isolate and resolve the problem.
 - 8.3.4 In the event that one Party identifies inconsistencies or lapses in the other Party's adherence to the security provisions described herein, or a discrepancy is found, documented, and delivered to the non-complying Party, a corrective action plan to address the identified vulnerabilities must be provided by the non-complying Party within thirty (30) calendar days of the date of the identified inconsistency. The corrective action plan must identify what will be done, the Party accountable/responsible, and the proposed compliance date. The non-complying Party must provide periodic status reports (minimally monthly) to the other Party's security organization on the implementation of the corrective action plan in order to track the work to completion.
 - 8.3.5 In the event there are technological constraints or situations where either Party's corporate security requirements cannot be met, the Parties will institute mutually agreed upon alternative security controls and safeguards to mitigate risks.
 - 8.3.6 All network-related problems will be managed to resolution by the respective organizations, MCI or SBC Michigan, as appropriate to the ownership of a failed component. As necessary, MCI and SBC Michigan will work together to resolve problems where the responsibility of either Party is not easily identified.
- 8.4 Information Security Policies And Guidelines For Access To Computers, Networks and Information By Non-Employee Personnel:
- 8.4.1 Information security policies and guidelines are designed to protect the integrity, confidentiality and availability of computers, networks and information resources. This Section summarizes the general policies and principles for individuals who are not employees of the Party that provides the computer, network or information, but have authorized access to that Party's systems, networks or information. Questions should be referred to MCI or SBC Michigan, respectively, as the providers of the computer, network or information in question.
 - 8.4.2 It is each Party's responsibility to notify its employees, contractors and vendors who will have access to the other Party's network, on the proper security responsibilities identified within this Attachment. Adherence to these policies is a

requirement for continued access to the other Party's systems, networks or information. Exceptions to the policies must be requested in writing and approved by the other Party's information security organization.

8.5 General Policies

8.5.1 Each Party's resources are for approved business purposes only.

8.5.2 Both Parties will monitor access to OSS systems and will promptly notify the other Party's designated personnel if it discovers any unauthorized access for security breach to the OSS systems. In the event of such unauthorized access or breach the Parties will work cooperatively to investigate, minimize and take corrective actions. Each Party will be responsible for paying its own cost of investigation. Each Party may exercise at any time its right to take appropriate action should unauthorized or improper usage be discovered.

8.5.3 Individuals will only be given access to resources that they are authorized to receive and which they need to perform their job duties. Users must not attempt to access resources for which they are not authorized.

8.5.4 Authorized users must not develop, copy or use any program or code which circumvents or bypasses system security or privilege mechanism or distorts accountability or audit mechanisms.

8.5.5 Actual or suspected unauthorized access events must be reported immediately to each Party's security organization or to an alternate contact identified by that Party. Each Party shall provide its respective security contact information to the other.

8.6 User Identification

8.6.1 Access to each Party's corporate resources will be based on identifying and authenticating individual users in order to maintain clear and personal accountability for each user's actions.

8.6.2 User identification shall be accomplished by the assignment of a unique, permanent user id, and each user id shall have an associated identification number for security purposes.

8.6.3 User ids will be revalidated on a periodic basis, as required. Revalidation will also be necessary as business needs change.

8.7 User Authentication

8.7.1 Users will usually be authenticated by use of a password. Strong authentication methods (e.g. one-time passwords, digital signatures, etc.) may be required in the future.

8.7.2 Passwords must not be stored in script files.

8.7.3 Passwords must be entered by the user in real time.

8.7.4 Passwords must be at least 6-8 characters in length, not blank or a repeat of the user id; contain at least one letter, and at least one number or special character must be in a position other than the first or last one. This format will ensure that

the password is hard to guess. Most systems are capable of being configured to automatically enforce these requirements. Where a system does not mechanically require this format, the users must manually follow the format.

- 8.7.5 Systems will require users to change their passwords regularly (usually every 31 days).
 - 8.7.6 Systems are to be configured to prevent users from reusing the same password for 6 changes/months.
 - 8.7.7 Personal passwords must not be shared. A user who has shared his password is responsible for any use made of the password.
- 8.8 Access and Session Control
- 8.8.1 Destination restrictions will be enforced at remote access facilities used for access to OSS Interfaces. These connections must be approved by each Party's corporate security organization.
 - 8.8.2 Terminals or other input devices must not be left unattended while they may be used for system access. Upon completion of each work session, terminals or workstations must be properly logged off.
- 8.9 User Authorization
- 8.9.1 On the destination system, users are granted access to specific resources (e.g. databases, files, transactions, etc.). These permissions will usually be defined for an individual user (or user group) when a user id is approved for access to the system.
- 8.10 Software And Data Integrity
- 8.10.1 Each Party shall use a comparable degree of care to protect the other Party's software and data from unauthorized access, additions, changes and deletions as it uses to protect its own similar software and data. This may be accomplished by physical security at the work location and by access control software on the workstation.
 - 8.10.2 Unauthorized use of copyrighted software is prohibited on each Party's corporate systems that can be access through the direct connection or dial up access to OSS Interfaces.
 - 8.10.3 Proprietary software or information (whether electronic or paper) of a Party shall not be given by the other Party to unauthorized individuals. When it is no longer needed, each Party's proprietary software or information shall be returned by the other Party or disposed of securely. Paper copies shall be shredded. Electronic copies shall be overwritten or degaussed.
- 8.11 Monitoring And Audit
- 8.11.1 To deter unauthorized access events, a warning or no trespassing message will be displayed at the point of initial entry (i.e., network entry or applications with direct entry points). One example of this end user customer warning banner message may be:

"This is a (SBC Michigan or MCI) system restricted to Company official business and subject to being monitored at any time. Anyone using this system expressly consents to such monitoring and to any evidence of unauthorized access, use, or modification being used for criminal prosecution."

- 8.11.2 After successful authentication, each Party will track the last logon date/time and the number of unsuccessful logon attempts. The user is responsible for reporting discrepancies.

9 OPERATIONAL READINESS TESTING (ORT) FOR ORDERING/PROVISIONING AND REPAIR/MAINTENANCE INTERFACES

- 9.1 At either Party's request and prior to live access to interface functionality, the Parties must conduct Operational Readiness Testing (ORT), which will allow for the testing of the systems, interfaces, and processes for the OSS functions. ORT will be completed in conformance with agreed upon processes and implementation dates.

10 TRAINING

- 10.1 SBC Michigan shall train MCI's trainers in the use of SBC Michigan's OSS systems and processes. Training will be provided for all preordering, ordering and provisioning, maintenance and repair, billing, miscellaneous services, and any other area function or support system as provided for elsewhere in this Appendix, as requested by MCI. Charges as specified below will apply for each class. Information and materials provided to MCI must include, at a minimum, operational and procedural information, and SBC Michigan specific system access/interface instruction. Classes are train-the-trainer format to enable MCI to devise its own course work for its own employees. Course descriptions for all available classes by region are posted on the CLEC web site (<http://clec.sbc.com>) in the Customer Education section. CLEC Training schedules by region are also available on the CLEC web site and are subject to change, with class lengths varying. Prior to live GUI or other system usage by MCI, MCI must complete user education classes for any SBC Michigan provided interfaces that affect the SBC Michigan network.

Training Rates	5 day class	4.5 day class	4 day class	3.5 day class	3 day class	2.5 day class	2 day class	1.5 day class	1 day class	1/2 day class
1 to 5 students	\$4,050	\$3,650	\$3,240	\$2,835	\$2,430	\$2,025	\$1,620	\$1,215	\$810	\$405
6 students	\$4,860	\$4,380	\$3,890	\$3,402	\$2,915	\$2,430	\$1,945	\$1,455	\$970	\$490
7 students	\$5,670	\$5,100	\$4,535	\$3,969	\$3,400	\$2,835	\$2,270	\$1,705	\$1,135	\$570
8 students	\$6,480	\$5,830	\$5,185	\$4,536	\$3,890	\$3,240	\$2,590	\$1,950	\$1,300	\$650
9 students	\$7,290	\$6,570	\$5,830	\$5,103	\$4,375	\$3,645	\$2,915	\$2,190	\$1,460	\$730
10 students	\$8,100	\$7,300	\$6,480	\$5,670	\$4,860	\$4,050	\$3,240	\$2,430	\$1,620	\$810
11 students	\$8,910	\$8,030	\$7,130	\$6,237	\$5,345	\$4,455	\$3,565	\$2,670	\$1,780	\$890
12 students	\$9,720	\$8,760	\$7,780	\$6,804	\$5,830	\$4,860	\$3,890	\$2,920	\$1,945	\$970

- 10.2 A separate agreement will be required as a commitment to pay for a specific number of MCIm students in each class. MCIm agrees that charges will be billed by SBC Michigan and MCIm payment is due in accordance with the billing provisions in the General Terms and Conditions. MCIm agrees that personnel from other competitive Local Service Providers may be scheduled into any SBC Michigan offered-class, to fill any additional seats for which any CLEC has not contracted. Class availability is first-come, first served with priority given to CLECs who have not yet attended the specific class.
- 10.3 Class dates will be based upon MCIm requests and SBC Michigan availability.
- 10.4 If MCIm cancels a scheduled class less than two weeks' prior to the scheduled start date, MCIm shall pay a cancellation fee consisting of the cost of the class less the cost of teaching materials. Should SBC Michigan cancel a class for which MCIm is registered less than one week prior to the schedule start date of that class, SBC Michigan will waive the charges for the rescheduled class for the registered students. MCIm agrees to provide to SBC Michigan completed registration forms for each student no later than one week prior to the scheduled training class.
- 10.5 MCIm agrees that MCIm personnel attending classes are only to utilize training databases presented to them in class. Attempts to access any other SBC Michigan or SBC system are strictly prohibited.
- 10.6 MCIm further agrees that training material, manuals and instructor guides can be duplicated only for internal use for the purpose of training employees to utilize the capabilities of SBC Michigan's OSS in accordance with this Appendix and are "Confidential Information" subject to the terms, conditions and limitations of General Terms and Conditions.

11 SERVICE BUREAU PROVIDER ARRANGEMENTS FOR SHARED ACCESS TO OSS

The Parties agree that MCI's use of a Service Bureau Provider to access SBC Michigan's OSS shall be subject to the requirements of this Section. For purposes of this Section, Service Bureau Provider means a third party that has been engaged by MCI to act on MCI's behalf for purposes of providing a means of access to SBC Michigan's OSS application-to-application interfaces via a dedicated connection over which multiple CLECs' local service transactions are transported.

- 11.1 SBC Michigan shall allow MCI to access its OSS via a Service Bureau Provider under the following terms and conditions.
- 11.2 Notwithstanding any language in this Agreement regarding access to OSS to the contrary, MCI shall be permitted to access SBC Michigan OSS via a Service Bureau Provider as follows:
 - 11.2.1 MCI shall be permitted to access SBC Michigan application-to-application OSS interfaces, via a Service Bureau Provider where MCI has entered into a relationship with such Service Bureau Provider and the Service Bureau Provider has entered into an appropriate arrangement acceptable to SBC Michigan to allow Service Bureau Provider to establish access to and use of SBC Michigan's OSS.
 - 11.2.2 MCI's use of a Service Bureau Provider shall not relieve MCI of the obligation to abide by all terms and conditions of this Agreement. MCI must ensure that its Service Bureau Provider properly performs all OSS obligations of MCI under this Agreement which MCI delegates to Service Bureau Provider.
 - 11.2.3 MCI shall provide notice in accordance with the notice provisions of the general terms and conditions of this Agreement whenever it intends to use a Service Bureau Provider to access SBC Michigan's application-to-application OSS interfaces or when MCI intends to cease using a Service Bureau Provider to access SBC Michigan's application-to-application OSS interfaces. Provided that SBC Michigan has not previously established a connection with a particular Service Bureau Provider, SBC Michigan shall have a reasonable transition time, not to exceed sixty (60) days to establish a connection to a Service Bureau Provider once MCI provides notice.
- 11.3 When MCI accesses SBC Michigan's OSS using a Service Bureau Provider, the measurement of SBC Michigan's performance shall not include Service Bureau Provider's processing, availability or response time.

OPERATOR SERVICES

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1 INTRODUCTION

- 1.1 This Appendix sets forth the terms and conditions for Operator Services (OS) provided by SBC Michigan to MCIIm.

2 SERVICES

2.1 General

- 2.1.1 SBC Michigan shall ensure that MCIIm Customers have the capability to dial the same telephone numbers to access SBC Michigan Operator Service that SBC Michigan Customers dial to access SBC Michigan Operator Service.
- 2.1.2 SBC Michigan shall provide Operator Services as an unbundled Network Element at TSLRIC-based rates, unless SBC Michigan provides MCIIm with customized routing as defined in Appendix UNE and unless authorized to discontinue unbundled Operator Services by the Commission.

2.2 Operator Services

- 2.2.1 If Customized Routing is not provided and MCIIm requests unbundled Operator Services, SBC Michigan shall provide nondiscriminatory access to all of its Operator Services, including, but not limited to, the following Operator Service capabilities:
- 2.2.1.1 SBC Michigan shall complete 0+ and 0- dialed local calls.
 - 2.2.1.2 SBC Michigan shall complete 0+ intraLATA toll calls.
 - 2.2.1.3 SBC Michigan shall complete calls that are billed to a calling card and MCIIm shall designate the acceptable types of special billing.
 - 2.2.1.4 SBC Michigan shall complete person-to-person calls.
 - 2.2.1.5 SBC Michigan shall complete collect calls.
 - 2.2.1.6 SBC Michigan shall provide the capability for callers to bill to a third party and shall complete such calls.
 - 2.2.1.7 SBC Michigan shall complete station-to-station calls.
 - 2.2.1.8 SBC Michigan shall process BLV/BLVI requests.
 - 2.2.1.9 SBC Michigan shall process emergency call trace.
 - 2.2.1.10 SBC Michigan shall process operator-assisted Directory Assistance calls.
 - 2.2.1.11 SBC Michigan shall route 0- local traffic directly to a "live" operator team.
 - 2.2.1.12 SBC Michigan shall provide caller assistance services to MCIIm's disabled end user customers in the same manner that SBC Michigan provides caller assistance services to its disabled end user customer.

- 2.2.1.13 Where technically feasible, SBC Michigan shall provide operator-assisted conference calling.
- 2.2.1.14 When requested by MCI's end user customer, SBC Michigan shall provide corrected billing information to MCI on Operator Services calls (e.g., without limitation, misdialed or misdirected calls) in the same manner as provided to SBC Michigan customers.
- 2.2.1.15 All Operator Services shall, at a minimum, comply with industry standards.
- 2.2.2 SBC Michigan shall direct customer inquiries to the customer service center designated by MCI.
- 2.3 Where technically feasible, SBC Michigan will provide the following OS:
 - 2.3.1 Fully Automated Call Processing

Allows the caller to complete a call utilizing equipment without the assistance of an SBC Michigan operator, hereafter called "Operator."

 - 2.3.1.1 SBC Michigan - This allows the caller the option of completing calls through an Automated Alternate Billing System (AABS). Automated functions can only be activated from a touch-tone telephone. Use of a rotary telephone or failure or slow response by the caller to the audio prompts will bridge the caller to an Operator for assistance.
 - 2.3.1.2 Intentionally Omitted.
 - 2.3.2 Operator-Assisted Call Processing
 - 2.3.2.1 Allows the caller to complete a call by receiving assistance from an Operator.
- 2.4 **Operator Assisted Calls to Directory Assistance ("OADA")**
 - 2.4.1 OADA refers to the situation in which a calling party dials "0" and asks the operator for Directory Assistance and is automatically transferred to a Directory Assistance operator. SBC Michigan will offer OADA to calling parties on a nondiscriminatory basis.

3 SERVICES

- 3.1 Fully Automated Call Processing - Where technically feasible, SBC Michigan can support the following fully automated call types as outlined below:
 - 3.1.1 Fully Automated Calling Card Service
 - 3.1.1.1 This service is provided when the caller dials zero ("0"), plus the desired telephone number and the calling card number to which the call is to be charged. The call is completed without the assistance of an Operator. An authorized calling card for the purpose of this Appendix, is one for which billing validation can be performed.

- 3.1.2 Fully Automated Collect and Bill to Third Number Services or Mechanized Calling Card System
- 3.1.2.1 The caller dials zero (0) plus the telephone number desired, and selects the Collect or Bill To Third Number billing option as instructed by the automated equipment. The call is completed without the assistance of an Operator.
- 3.2 Operator-Assisted Call Processing - Where technically feasible, SBC Michigan will support the following Operator-assisted call types for MCI:
- 3.2.1 Semi-Automated Calling Card Service. A service provided when the caller dials zero (0) plus the telephone number desired and the calling card number to which the call is to be charged. The call is completed with the assistance of an Operator. An authorized calling card for the purpose of this Appendix, is one for which SBC Michigan can perform billing validation.
- 3.2.2 Semi-Automated Collect and Bill to Third Number Services. The caller dials zero (0) plus the telephone number desired, and selects the Collect or Bill To Third Number billing option as instructed by the automated equipment. The call is completed with the assistance of an Operator.
- 3.2.3 Semi-Automated Person-To-Person Service. A service in which the caller dials zero (0) plus the telephone number desired and asks the Operator for assistance in reaching a particular person, or a particular PBX station, department or office to be reached through a PBX attendant. This service applies even if the caller agrees, after the connection is established, to speak to any party other than the Party previously specified.
- 3.2.4 Operator Handled Services. Services provided when the caller dials zero (0) for Operator assistance in placing a sent paid, calling card, collect, third number or person to person call.
- 3.2.5 Busy Line Verification. A service in which the Operator, upon request, will check the requested line for conversation in progress and advise the caller.
- 3.2.6 Busy Line Interrupt. A service in which the caller asks the Operator to interrupt a conversation in progress, to determine if one of the Parties is willing to speak to the caller requesting the interrupt. Busy Line Interrupt service applies even if no conversation is in progress at the time of the interrupt attempt, or when the Parties interrupted refuse to terminate the conversation in progress.
- 3.2.7 Operator Transfer Service. A service in which the local caller requires Operator Assistance for completion of a call terminating outside the originating LATA.
- 3.2.8 General Assistance is used to describe those general types of assistance the operator bureaus of each Party typically provide to each other. General Assistance includes, but is not limited to, circumstances in which an operator seeks assistance in dialing a number (e.g., for attempting to dial a number where a 'no ring' condition has been encountered) and emergency assistance.

4 CALL BRANDING

- 4.1 Where not technically feasible or where MCI does not request branding, such calls will be unbranded. Where technically feasible and/or available, SBC Michigan will brand OS based upon the criteria outlined.

4.1.1 Where SBC Michigan is only providing OS on behalf of MCIIm, the calls will be branded. When the same trunk group is used to provide OS and DA services to MCIIm, calls will be branded at MCIIm's request with the same brand. There may be separate brands where separate trunk groups are utilized.

4.1.2 Branding Load Charges

4.1.2.1 Branding load charges are including in Appendix Pricing.

5 OPERATOR SERVICES (OS) RATE/REFERENCE INFORMATION

5.1 If MCIIm elects to use OS services where technically feasible and/or available, SBC Michigan will provide MCIIm OS Rate/Reference Information, based upon the criteria outlined below:

5.1.1 MCIIm will furnish OS Rate and Reference Information in accordance with process outlined in Operator Services Questionnaire as of June 6, 2002 or as mutually agreed to format or media thirty (30) calendar days in advance of the date when the OS Services are to be undertaken.

5.1.2 MCIIm will inform SBC Michigan, in writing, of any changes to be made to such Rate/Reference Information fourteen (14) calendar days prior to the effective Rate/Reference change date. MCIIm acknowledges that it is responsible to provide SBC Michigan updated Rate/Reference Information fourteen (14) calendar days in advance of when the updated Rate/Reference Information is to become effective.

5.1.3 An initial non-recurring charge will apply per state, per Operator assistance switch for loading of MCIIm's OS Rate/Reference Information. An additional non-recurring charge will apply per state, per Operator assistance switch for each subsequent change to either the CLEC's OS Services Rate or Reference Information subject to the requirements herein.

5.2 When an SBC Michigan Operator receives a rate request from an MCIIm end user customer, SBC Michigan will quote the applicable OS rates as provided by MCIIm.

6 INTRALATA MESSAGE RATING

6.1 Intentionally Omitted.

7 HANDLING OF EMERGENCY CALLS TO OPERATOR

7.1 To the extent MCIIm's NXX encompasses multiple emergency agencies, SBC Michigan agrees to ask the caller for the name of his/her community and to transfer the caller to the appropriate emergency agency for the caller's area. MCIIm must provide SBC Michigan with the correct information to enable the transfer as required by the OSQ. MCIIm will also provide default emergency agency numbers to use when the customer is unable to provide the name of his/her community. When the assistance of another Carrier's operator is required, SBC Michigan will attempt to reach the appropriate operator if the network facilities for Inward Assistance exist.

8 RESPONSIBILITIES OF THE PARTIES

- 8.1 *MCI will provide SBC Michigan at least thirty (30) days notice prior to any significant change in service levels for Operator Services under this Appendix.
- 8.2 MCI will be responsible for providing the equipment and facilities necessary for signaling and routing calls with Automatic Number Identification (ANI) to each SBC Michigan Operator assistance switch. Should MCI seek to obtain Interexchange OS from SBC Michigan, MCI is responsible for ordering the necessary facilities under the appropriate Interstate or Intrastate Access Service Tariffs. Nothing in this Agreement in any way changes the manner in which an Interexchange Carrier obtains access service for the purpose of originating or terminating Interexchange traffic.
- 8.2.1 Facilities necessary for the provision of OS shall be provided by the Parties hereto, using standard trunk traffic engineering procedures to insure that the objective grade of service is met. Each Party shall bear the costs for its own facilities and equipment.
- 8.3 MCI understands and acknowledges that before live traffic can be passed, MCI is responsible for obtaining and providing to SBC Michigan, default emergency agency numbers.
- 8.4 SBC Michigan shall make available service enhancements on a nondiscriminatory basis as soon as such enhancements are available to SBC Michigan, its affiliate and all other CLECs. SBC Michigan shall communicate official information to MCI via its accessible letter notification process. This process covers a variety of subjects, including updates on products/services promotions, deployment of new products/services, modification and price changes to existing products/services, cancellation or retirement of existing products/services and operational issues.
- 8.5 SBC Michigan shall provide MCI with Operator Services equal in quality to those which provides to other CLECs and itself. Service quality must comply with all federal, state and local requirements, and must be at Parity.
- 8.6 MCI will furnish to SBC Michigan a completed OSQ, thirty (30) calendar days in advance of the date when the OS are to be undertaken. MCI will provide SBC Michigan updates to the OSQ fourteen (14) calendar days in advance of the date when changes are to become effective. SBC Michigan shall adequately staff its operator work force.

9 METHODS AND PRACTICES

- 9.1 SBC Michigan will provide OS to MCI's end user customers in accordance with SBC Michigan OS methods and practices that are in effect at the time the OS call is made, unless otherwise agreed in writing by both Parties.

10 PRICING

- 10.1 The prices at which SBC Michigan agrees to provide MCI with OS are contained in the applicable Appendix Pricing.
- 10.2 Intentionally Omitted.

11 MONTHLY BILLING

- 11.1 SBC Michigan will accumulate and provide MCI such data as necessary for MCI to bill its end user customers.

12 INDEMNIFICATION

12.1 The provisions set forth in the General Terms and Conditions of this Agreement, including but not limited to those relating to limitation of liability and indemnification, shall govern the Parties' performance under this Appendix including any claims arising from the disclosure of telephone numbers, addresses, or names associated with the telephone called or telephone used to call SBC Michigan's Operator Services.

13 TERM OF APPENDIX

13.1 MCIIm must use such services for a minimum period of twelve (12) months, which period may extend past the termination of this Agreement. MCIIm may terminate use of SBC Michigan's Operator Services one hundred twenty (120) days advance written notice to SBC Michigan any time after MCIIm has used such Operator Services for the twelve (12) month minimum period, inclusive of the notice period.

13.2 *If MCIIm terminates use of SBC Michigan's Operator Services without complying with Section 13.1 above, MCIIm shall pay SBC Michigan, within thirty (30) days of the issuance of a final bill by SBC Michigan, all amounts due for actual services provided under this Appendix.

PERFORMANCE MEASUREMENTS

1 PERFORMANCE MEASUREMENTS

The Parties acknowledge that the Michigan Public Service Commission (“Commission”) in Case No. U-11830 adopted Performance Measurements and a Remedy Plan applicable to SBC Michigan.

Accordingly, MCI and SBC Michigan agree that:

- 1.1 SBC Michigan shall implement Performance Measurements and a remedy plan as determined by the Commission in Case No. U-11830 and any relevant successor dockets, as well as the state-specified Business Rules developed in relation to such Performance Measurements and Remedy Plan. To the extent the FCC issues an order related to Performance Measurements and remedies that expressly preempts the state’s authority on these issues, either Party may invoke its rights under the Dispute Escalation/Resolution provisions of the Agreement. SBC Michigan agrees to post the Business Rules on SBC Michigan’s Internet website.
- 1.2 The Performance Measurements and Remedy Plan referred to herein, notwithstanding any provisions in any other Article or Schedule of this Agreement, are not intended to create, modify or otherwise affect parties’ rights and obligations with respect to OSS access. The existence of any particular performance measure, or the language describing that measure, is not evidence that MCI is entitled to any particular manner of access, nor is it evidence that SBC Michigan is limited to providing any particular manner of access. The Parties’ rights and obligations to such access are defined elsewhere, including the relevant laws, FCC and PUC decisions/regulations, tariffs, and within this interconnection agreement.
- 1.3 Intentionally Omitted.
- 1.4 The Parties agree that Performance Measurements, Remedy Plan and Business Rules may be revised through the Collaborative Process, and the Parties agree to incorporate such changes that are voluntarily agreed to by all parties to the Collaborative Process when finalized, and on a going forward basis unless otherwise ordered by the Commission. In the event a Party disputes the adoption of a proposed revision in the Collaborative Process, the Party seeking such adoption may raise the issue with the Commission for resolution. Until a final Commission order resolving the issue is effective, the Parties agree to abide by the performance measures, Remedy Plan and Business Rules previously agreed to, adopted in the Collaborative Process, or ordered by the Commission. Nothing in this Article limits the rights of either Party to seek changes to Performance Measurements, Remedy Plan or Business Rules. SBC Michigan agrees to post the performance measurements, Remedy Plan and Business Rules on SBC Michigan’s Internet website in accordance with the final resolutions achieved in the Collaborative Process.
- 1.5 Each Party reserves its rights, notwithstanding anything to the contrary, to seek appropriate legal and/or equitable review and relief from any Commission order in regard to Performance Measurements, Remedy Plan or Business Rules. It is SBC Michigan’s position that compliance with and implementation of any such order shall not represent voluntary agreement to pay liquidated damages nor a voluntary or negotiated agreement under Section 252 of the Act or otherwise, and does not in any way constitute a waiver by such Party of its position with respect to such order, or of any rights and remedies it may have to seek review of such order or otherwise contest the applicability of the Performance Measures and Remedy Plan.

- 1.6 Any payment by SBC Michigan pursuant to the Remedy Plan described in this Appendix Performance Measures may be by either direct payment (such as a check) or by bill credit. If MCIIm selects the direct payment option, MCIIm shall submit the attached form. If MCIIm does not submit the attached form, any payment shall be by bill credit.

PRICING

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1 INTRODUCTION

- 1.1 This Appendix sets forth the pricing rates, terms and conditions for Interconnection, unbundled access to Network Elements, Resale, Collocation and for any other services provided pursuant to this Agreement. All such rates shall be just, reasonable and nondiscriminatory in accordance with Applicable law.
- 1.2 All of the rates set forth in this Agreement are inclusive. If the Parties have inadvertently omitted an appropriate Commission-approved rate for any unbundled Network Element, service, feature or function contemplated under this Agreement (“Contemplated Services”), the Parties shall amend the Agreement to include such rate. In the event that there is no appropriate Commission-approved rate for a Contemplated Service and SBC Michigan has a reasonable basis to believe it can charge MCI_m for the Contemplated Service, the Parties agree to negotiate in good faith to amend the Agreement to include an interim rate. Such interim rates shall remain in effect, subject to true-up, until the Commission determines a permanent rate or decides that no rate is appropriate. The Parties further agree that during any negotiations pursuant to this Section 1.2, SBC Michigan shall provide MCI_m with the Contemplated Service in question and MCI_m shall be responsible for paying for such Contemplated Service retroactive to the date it was first delivered. For any rates set pursuant to this Section 1.2, the Parties agree to use the appropriate SBC Michigan tariff rate, if such a rate exists. All of the rates set forth in this Agreement shall remain in effect for the term of this Agreement unless they are changed in accordance with the provisions of this Agreement. For the purposes of this Appendix, “rates” may refer to either or both recurring and nonrecurring prices.
- 1.3 Each rate set forth in this Appendix is the total rate applicable for the respective service, save for taxes and late payment charges, if any. Where required by Applicable Law, rates contained in this Appendix Pricing are based upon FCC and state Commission approved pricing methodologies. If a rate element and/or charge for a product or service contained in, referenced to or otherwise provided by SBC Michigan under this Agreement (including any attached or referenced Appendices) is not listed in this Appendix Pricing, including any rates and/or charges developed in response to a Bona Fide Request (BFR), such rates and charges shall be determined in accordance with the pricing principles set forth in the Act; provided however, if SBC Michigan provides a product or service that is not subject to the pricing principles of the Act, such rate(s) and/or charges shall be as negotiated by SBC Michigan and MCI_m.
- 1.4 Intentionally Omitted.
- 1.5 Except as otherwise noted, all rates set forth in this Agreement are permanent rates, unless changed by order of the Commission or other administrative or judicial body of competent jurisdiction, or by mutual agreement of the Parties. If the Commission or other administrative or judicial body of competent jurisdiction subsequently orders a different rate, either Party, upon the Commission’s order, may provide written notice to the other Party, to change the rate set forth in this Agreement to conform to the new rate ordered by the Commission. Upon written notice, the Parties will negotiate an amendment to this Agreement reflecting the new rate. The new rate will be effective on the date of receipt of the written notice of election.
- 1.6 If a rate is identified as interim, upon adoption of a final rate by the Commission, either Party may elect to change the interim rate to conform to the permanent rate upon written notice to other Party. If either Party elects to change an interim rate to conform to a permanent rate, the permanent rate will be substituted for the interim rate and will remain in effect for the remainder of this Agreement unless otherwise changed in accordance with the terms of this Agreement. Unless otherwise agreed by the Parties, an interim rate

will be replaced by the permanent rate retroactive to the Effective Date of this Agreement, and will be trued up within ninety (90) days after the Effective Date of the amendment adopting the permanent rate.

- 1.7 The following defines the zones found in this Appendix Pricing:
 - 1.7.1 For Loops: Tariff MPSC No. 20R, Part 4, Section 2
 - 1.7.2 For Unbundled Interoffice Transmission Facilities: FCC No. 2, Section 7, Subsection 7.7
- 1.8 SBC Michigan shall not charge MCIIm different rates for unbundled Network Elements based on the class of end user customers served by MCIIm, or on the type of services provided by MCIIm using those unbundled Network Elements, unless otherwise ordered by the Commission. This paragraph does not apply to Resale.

2 RECURRING CHARGES

- 2.1 Unless otherwise identified in the pricing tables, where rates are shown as monthly, a month will be defined as thirty (30) days. Billing will be on the basis of whole or fractional months used. The rates for non-monthly rated UNEs will be billed as specified in Appendix Pricing. Billing will be on the basis of whole or fractional periods used. Fractional billing will be adjusted on a pro-rata basis to reflect actual usage during any particular month or period.
- 2.2 Unless otherwise identified in the pricing tables, where rates are usage sensitive, measurement of usage-based charges shall be in actual conversation seconds, or fraction thereof, measured in one tenth (1/10) of one second increments. For purposes of billing charges, total conversation seconds, or fractions thereof, per chargeable traffic types will be totaled for the entire monthly bill cycle and then rounded up to the next whole minute. There shall be no usage-based charges for incomplete calls or call attempts, including "busy" or "don't answer" status calls.
- 2.3 Intentionally Omitted.
- 2.4 Unless otherwise identified in the pricing tables, where rates are distance sensitive, the mileage will be calculated on the airline distance involved between the locations. To determine the rate to be billed, SBC Michigan will first compute the mileage using the V&H coordinates method, as set forth in the National Exchange Carrier Association, Inc. Tariff FCC No 4. When the calculation results in a fraction of a mile, SBC Michigan will round up to the next whole mile before determining the mileage and applying rates.

3 NON-RECURRING CHARGES

Some items which must be individually charged (e.g., extraordinary charges, CLEC Changes and etc.), are billed as nonrecurring charges.

RECIPROCAL COMPENSATION

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1 INTRODUCTION

- 1.1 This Appendix sets forth terms and conditions for Reciprocal Compensation provided by SBC Michigan to MCI. The Parties acknowledge that they entered into an “Amendment Superseding Certain Reciprocal Compensation, Interconnection and Trunking Terms” dated June 6, 2001 (hereafter the “Reciprocal Compensation Amendment”). The Parties also acknowledge and agree that the Reciprocal Compensation Amendment is intended, during its term (February 1, 2001 through May 31, 2004, unless otherwise agreed to by the Parties), to supplement and supersede, as applicable, certain terms and conditions of this Appendix Reciprocal Compensation. The Parties agree that, during the term of the Reciprocal Compensation Amendment, any inconsistencies between the Reciprocal Compensation Amendment and this Appendix Reciprocal Compensation will be governed by the provisions of the Reciprocal Compensation Amendment. The Parties further agree that, not less than six (6) months prior to the expiration of the term of the Reciprocal Compensation Amendment, they will commence good faith negotiations for successor terms and conditions to those provisions of the Reciprocal Compensation Amendment falling within the scope of this Appendix Reciprocal Compensation. The Parties agree that any failure to agree on such successor provisions shall be subject to the dispute resolution procedures.

2 TRANSMISSION AND ROUTING OF TELEPHONE EXCHANGE SERVICE TRAFFIC RELEVANT TO COMPENSATION

- 2.1 The Telecommunications traffic exchanged between MCI and SBC Michigan will be classified as either Local Calls, Transit Traffic, Optional Calling Area Traffic, intraLATA Toll Traffic, or interLATA Toll Traffic. The Parties agree that, notwithstanding the classification of traffic under this Appendix, either Party is free to define its own local service areas for the purpose of providing telecommunications services to its own customers. The provisions of this Appendix apply to calls originated over the originating carrier's facilities or over Unbundled Network Elements; they do not apply to traffic originated over facilities provided under local Resale arrangements.
- 2.2 Reciprocal compensation applies for transport and termination of Local Calls. When an end user customer originates a Local Call, the originating Party shall compensate the terminating Party for the transport and termination of such Local Calls at the rate(s) provided in Appendix Pricing. “Local Calls”, for purposes of intercarrier compensation, is traffic where all calls are within the same common local and common mandatory local calling area, i.e., within the same or different SBC Michigan Exchange(s) that participate in the same common local or common mandatory local calling area as outlined in the applicable state Local Exchange Tariff, including, Foreign Exchange (“FX”) and FX-like services where calls are originated from and/or delivered to numbers which are assigned to a Rate Center within one local calling area but where the Party receiving the call is physically located outside of that local calling area.
- 2.3 When a Local Call is either originated by or terminated to an End User Customer served via an Unbundled Network Element (UNE) switch port, the requirements to record usage and to compensate the terminating Party shall remain the same as for switch-based service, unless technically infeasible or unless otherwise agreed.
- 2.4 The Parties' obligation to pay reciprocal compensation to each other shall commence on the date the Parties agree that the network is complete (i.e., each Party has established its originating trunks as well as any ancillary functions (e.g., 9-1-1)) and is capable of fully supporting originating and terminating end user customers' (and not a Party's test) traffic.

- 2.5 The Reciprocal Compensation arrangements set forth in this Appendix are not applicable to (i) Exchange Access traffic and, subject to the Intervening Law provisions of this Agreement, any other type of traffic found to be exempt from reciprocal compensation by the FCC or the Commission, with the exception of calls to ISPs, which are addressed in this Appendix in compliance with FCC Order 01-131 (April 2001). All Exchange Access traffic and intraLATA Toll Traffic shall continue to be governed by the terms and conditions of applicable federal and state tariffs.
- 2.6 Intentionally Omitted.
- 2.7 Intentionally Omitted.
- 2.8 Private Line Services include private line-like and special access services and are not subject to local reciprocal compensation. Private Line Services are defined as dedicated Telecommunications channels provided between two points or switched among multiple points and are used for voice, data, audio or video transmission. Private Line services include, but are not limited to, WATS access lines.
- 2.9 Exchange Access traffic is the offering by an incumbent or competitive Local Exchange Company of services or facilities to an Inter-exchange Carrier for the purpose of the origination or termination of telephone Toll Service. Such traffic includes inter-LATA and intra-LATA toll calls and is not subject to reciprocal compensation.

3 RESPONSIBILITIES OF THE PARTIES

- 3.1 Each Party to this Appendix will be responsible for the accuracy and quality of its data as submitted to the respective parties involved.
- 3.2 Where SS7 connections exist, each Party will include in the information transmitted to the other for each call being terminated on the other's network where available, the original and true Calling Party Number (CPN).
- 3.3 If one Party is passing CPN but the other Party is not properly receiving information, the Parties will work cooperatively to correct the problem.
- 3.4 Intentionally Omitted.
- 3.5 Where the Parties are performing a transiting function as defined herein, the transiting Party will pass the original and true CPN if it is received from the originating third-party. If the original and true CPN is not received from the originating third-party, the Party performing the transiting function cannot forward the CPN and will not be billed as the default originator. Either Party may present reports indicating the month, the originating end office CLLI, volume of traffic transited and OCN of each originating carrier that does not pass the original and true CPN, the Parties may adjust billing when appropriate. The Parties recognize that CPN may not accurately reflect the originating carrier where service is provided using UNE-P. In such cases, the Parties agree to exchange such information as may be required to identify the volumes in ownership of the UNE-P originating traffic.

4 LOCAL TRAFFIC COMPENSATION

- 4.1 The rates, terms, conditions contained herein apply only to the termination of Local Calls that originate and terminate to carriers that are authorized as LECs, CLECs, or ILECs within the State. All applicable state-specific rate elements can be found in Appendix Pricing. Rates for transport and termination of Local Traffic must be symmetrical. For

purposes of this section, symmetrical means that the amount charged for each rate element MCI may assess SBC Michigan for the transport and termination of Local Traffic (depending on which elements may be assessed to a particular call) will be the same as the amount charged for each rate element which SBC Michigan may assess MCI for the transport and termination of Local Traffic (depending on which elements may be assessed to a particular call).

4.1.1 Where an MCI switch serves a geographic area comparable to the area served by an SBC Michigan tandem switch, MCI shall also charge SBC Michigan for tandem switching at the rate set forth in Appendix Pricing.

5 COMPENSATION FOR INTRALATA TOLL CALLS

5.1 The Parties will charge each other for the termination of intraLATA toll calls in accordance with each Party's respective Switched Access tariffs.

6 INTENTIONALLY OMITTED

7 TRANSIT TRAFFIC COMPENSATION

7.1 Transiting Service allows one Party to send Local, Optional, intraLATA Toll Traffic, and 800 intraLATA Toll Traffic to a third-party network through the other Party's ("transit party") tandem. A Transiting rate element applies to all MOUs between a Party and third party networks that transits a transit party network. The originating Party is responsible for payment of the appropriate rates unless otherwise specified. The Transiting rate element is only applicable when calls do not originate with (or terminate to) the transit Party's end user customer. The rates that the parties shall charge for transiting traffic are outlined in Appendix Pricing.

7.2 The Parties agree to enter into their own agreement with third-party Telecommunications Carriers prior to delivering traffic for transiting to the third-party. In the event one Party originates traffic that transits the second Party's network to reach a third-party Telecommunications Carrier with whom the originating Party does not have a traffic Interexchange agreement, then originating Party will indemnify the second Party against any and all charges levied by such third party telecommunications carrier, including any termination charges related to such traffic and any attorneys fees and expenses. The terminating party and the tandem provider will bill their respective portions of the charges directly to the originating Party, and neither the terminating Party nor the tandem provider will be required to function as a billing intermediary, e.g. clearinghouse.

7.3 Intentionally omitted.

7.4 In SBC Michigan where Primary Toll Carrier (PTC) arrangements are mandated, for intraLATA Toll Traffic which is subject to a PTC arrangement and where SBC Michigan is the PTC, SBC Michigan shall deliver such intraLATA Toll Traffic to the terminating carrier in accordance with the terms and conditions of such PTC arrangement. Upon receipt of verifiable Primary Toll records, SBC Michigan shall reimburse the terminating carrier at SBC Michigan's applicable tariffed terminating switched access rates. When transport mileage cannot be determined, an average transit transport mileage shall be applied as set forth in Appendix Pricing.

8 INTENTIONALLY OMITTED

9 INTENTIONALLY OMITTED

10 INTRALATA 800 TRAFFIC

- 10.1 The 800 Trunking arrangements are covered in NIM appendix. If the Local/intraLATA Trunks are used and requesting carrier performs the 800 query function, the intraLATA 800 Traffic will be recorded as toll calls. If the Access Toll Connecting Trunks are used, SBC Michigan will not record the intraLATA 800 Traffic.
- 10.2 The Parties shall provide to each other intraLATA 800 Access Detail Usage Data for Customer billing and intraLATA 800 Copy Detail Usage Data for access billing in Exchange Message Interface (EMI) format. The Parties agree to provide this data to each other at no charge. In the event of errors, omissions, or inaccuracies in data received from either Party, the liability of the Party providing such data shall be limited to the provision of corrected data only. If the originating Party does not send an end user customer billable record to the terminating Party, the originating Party will not bill the terminating Party any interconnection charges for this traffic.
- 10.3 For intraLATA Toll Free Service calls where such service is provided by one of the Parties, the compensation set forth in each Party's respective Switched Access tariff will be charged by the Party originating the call, rather than the Party terminating the call. Billing shall be based on originating and terminating NPA NXX.

11 MEET-POINT-BILLING (MPB) SPECIAL & SWITCHED ACCESS TRAFFIC COMPENSATION

- 11.1 Intentionally Omitted.
- 11.2 Compensation for Special Access Traffic shall be on a MPB basis as described below.
- 11.3 The Parties will establish MPB arrangements in order to provide Switched Access Services to IXC via the respective carrier's Access Tandem Office Switch switches in accordance with the MPB guidelines adopted by and either contained in, or upon approval to be added in future to the Ordering and Billing Forum's MECOD and MECAB documents.
- 11.4 Billing to Interexchange Carriers (IXCs) for the Switched Exchange Access Services jointly provided by the Parties via MPB arrangements shall be according to the multiple bill/single tariff method. As described in the MECAB document, each Party will render a bill in accordance with its own tariff for that portion of the service it provides. For the purpose of this Appendix, MCI is the Initial Billing Company (IBC) and SBC Michigan is the Subsequent Billing Company. Each Party will bill its own network access service rate to the IXC.
- 11.5 The Parties will maintain provisions in their respective federal and state access tariffs, or provisions within the National Exchange Carrier Association (NECA) Tariff No. 4, or any successor tariff, sufficient to reflect this MPB arrangement, including MPB percentages.
- 11.6 As detailed in the MECAB document and this Appendix, the Parties will, in accordance with appropriate billing cycle intervals defined herein, exchange all information necessary to accurately, reliably and promptly bill third parties for Switched Access Services traffic jointly handled by the Parties via the Meet Point arrangement. Information shall be exchanged in Exchange Message Interface ("EMI") format via a mutually acceptable electronic file transfer method. Where the EMI records cannot be transferred due to a transmission failure, records can be provided via a mutually acceptable medium. The initial billing company (IBC) will provide the information to the subsequent billing company within ten (10) working days of sending the IBC's bills, in accordance with OBF guidelines. The exchange of records to accommodate MPB will be on a reciprocal, no charge basis.

- 11.7 MPB shall also apply to all jointly provided MOU traffic bearing the 900, or 8XX toll free service NPAs (e.g., 800, 877, 866, 888 NPAs, or any other non-geographic NPAs), which may likewise be designated for such traffic in the future where the responsible Party is an IXC. When SBC Michigan performs 8XX toll free service database queries, SBC Michigan will charge the 8XX toll free service provider for the database query in accordance with standard industry practices and applicable tariffs.
- 11.8 Each Party shall coordinate and exchange the billing account reference (BAR) and billing account cross reference (BACR) numbers for the Meet Point Billing service. Each Party shall notify the other if the level of billing or other BAR/BACR elements change, resulting in a new BAR/BACR number.
- 11.9 For purposes of this Appendix the Party to whom the End Office Switch belongs is the IBC and the Party to whom the Tandem Office Switch belongs is the secondary billing company. The secondary billing company will provide the IBC with the Exchange Access detailed usage data within thirty (30) days of the recording date. The IBC will provide to the secondary billing company the Exchange Access summary usage data within ten (10) working days of the IBC's bill date to the IXC and/or ESP. SBC Michigan acknowledges that currently there is no charge for Summary Usage Data Records but that such a charge may be appropriate. At MCI's request, SBC Michigan will negotiate a mutual and reciprocal charge for provision of Summary Usage Data Records. The Parties will adhere to MECAB and OBF guidelines for the exchange of billing data. To the extent that the above described process changes, the Parties obligations hereunder will likewise change.
- 11.10 SBC Michigan and MCI agree to provide the other Party with notification of any discovered errors within ten (10) business days of the discovery.
- 11.11 In the event of a loss of data, both Parties shall cooperate to reconstruct the lost data within sixty (60) days of notification and if such reconstruction is not possible, shall accept a reasonable estimate of the lost data. This estimate may be based on several methodologies involving at least three (3), but no more than twelve (12) consecutive months of prior usage data, if available.

12 INTENTIONALLY OMITTED

13 BILLING FOR MUTUAL COMPENSATION

- 13.1 The Billing Party will calculate originating and terminating interconnection minutes of use based on standard Automatic Message Accounting (AMA) recordings made within each Party's network. These recordings are the basis for each Party to generate bills to the other Party. Measurement of minutes of use over Local Interconnection Trunk Groups shall be in actual conversation seconds for terminating usage, for purposes of reciprocal compensation; and network access duration seconds including unanswered attempts for originating usage, for access billing purposes. The total conversation seconds (for Local traffic) or the total access seconds (for access traffic) will be totaled in accordance with OBF industry standards for the entire monthly bill in minute increments and rounded in accordance with OBF industry rounding standards.
- 13.1.1 The Parties shall use the Calling Party Number ("CPN") to determine the jurisdiction of billed traffic. If the jurisdiction of traffic cannot be determined based on the CPN, the Parties may jointly exchange industry standard jurisdictional factors, such as PIU, PIIU, or PLU in order to determine the jurisdiction of the traffic.

- 13.2 If, as set forth in Section 3 of this Appendix Reciprocal Compensation, the originating Party passes CPN on calls, the receiving Party shall bill the originating Party the appropriate termination rate applicable to each minute of traffic for which CPN is passed. For the remaining calls without CPN information, the receiving Party shall bill the originating Party the appropriate termination rate applicable to each minute of traffic in direct proportion to the minutes of use of calls passed with CPN information.
- 13.2.1 If the originating Party fails to pass CPN on more than ten percent (10%) of calls, or if the receiving Party lacks the ability to use CPN information to classify on an automated basis traffic delivered by the other Party as either Local Traffic or toll traffic, the originating Party will supply an auditable Percent Local Usage (PLU) report quarterly, based on the previous three months' traffic, and applicable to the following three months. If the originating Party also desires to combine interstate and intrastate toll traffic on the same trunk group, it will supply an auditable Percent Interstate Usage (PIU) report quarterly, based on the previous three months' terminating traffic, and applicable to the following three months. In lieu of the foregoing PLU and/or PIU reports, the Parties may agree to provide and accept reasonable surrogate measures for an agreed-upon period.
- 13.3 Intentionally Omitted.
- 13.4 If, as a result of the audit, either Party has overstated the PLU or underreported the call detail usage by twenty percent (20%) or more, that Party shall reimburse the auditing Party for the cost of the audit and will pay for the cost of a subsequent audit which is to happen within nine (9) months of the initial audit.

14 VOICE OVER INTERNET PROTOCOL

- 14.1 Intentionally Omitted.
- 14.2 The Parties reserve the right to raise the appropriate treatment of Voice Over Internet Protocol (VOIP) or other Internet Telephony traffic. The Parties further agree that this Appendix shall not be construed against either Party as a "meeting of the minds" that VOIP or Internet Telephony traffic is or is not local traffic subject to reciprocal compensation. By entering into the Appendix, both Parties reserve the right to advocate their respective positions before state or federal commissions whether in bilateral complaint dockets, arbitrations under Sec. 252 of the Act, commission established rulemaking dockets, or in any legal challenges stemming from such proceedings.

RECORDING

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1 INTRODUCTION

- 1.1 This Appendix sets forth the terms and conditions under which SBC Michigan will provide recording, message processing and message detail services for (1) IXC transported calls as described in Exhibit I and Exhibit II, (Exhibits I and II are part of this Appendix by reference) and (2) local calls associated with MCI's end user customer use of resale or UNE.

2 DEFINITIONS

- 2.1 "Access Usage Record (AUR)" - a message record which contains the usage measurement reflecting the service feature group, duration and time of day for a message and is subsequently used to bill access to Interexchange Carriers (IXCs).
- 2.2 "Assembly and Editing" - the aggregation of recorded customer message details to create individual message records and the verification that all necessary information required ensuring all individual message records meet industry specifications is present.
- 2.3 "Billing Company" - the company that bills for charges incurred.
- 2.4 "Billable Message" - a message record containing details of a completed call which is used for billing.
- 2.5 "Centralized Message Distribution System (CMDS)" - the national network of private line facilities used to exchange Exchange Message Records/Exchange Message Interface (EMR/EMI) formatted billing data between SBC Michigan and the Billing Company.
- 2.6 "Data Transmission" - the forwarding by SBC Michigan of message detail and/or access usage record detail in EMR/EMI format over data lines or on magnetic tapes to the appropriate Billing Company.
- 2.7 Intentionally Omitted.
- 2.8 "Interexchange Carrier (IXC)" - A third party transmission provider that carries long distance voice and non-voice traffic between user locations for a related recurring fee. IXCs provide service interstate and intrastate. In some states IXCs are permitted to operate within a LATA.
- 2.9 Intentionally Omitted.
- 2.10 Intentionally Omitted.
- 2.11 "Message Processing" - the creation of individual EMR or EMI formatted billable message detail records from individual recordings that reflect specific billing detail for use in billing the end user customer and/or access usage records from individual recordings that reflect the service feature group, duration and time of day for a message, Carrier Identification Code, among other fields, for use in billing access to the Interexchange Carriers. Message Processing includes performing CMDS online edits required to ensure message detail and access usage records are consistent with CMDS specifications.
- 2.12 Intentionally Omitted.

- 2.13 "Provision of Message Detail" - the sorting of all billable message detail and access usage record detail by Revenue Accounting Office, Operating Company Number or Service Bureau, splitting of data into packs for invoicing, and loading of data into files for data transmission to MCI for those records created internally or received from other Local Exchange Carrier Companies or Interexchange Carriers through SBC Michigan's internal network or national CMDS.
- 2.14 "Record" - a logical grouping of information as described in the programs that process information and create the magnetic tapes or data files.
- 2.15 "Recording" - the creation and storage on magnetic tape or other medium of the basic billing details of a message in Automatic Message Accounting (AMA) format.
- 2.16 "Recording Company" - the company that performs the functions of recording and message processing of Interexchange Carrier (IXC) transported messages and the provision of message detail.
- 2.17 "800 Switching Control Point (SCP) Carrier Access Usage Summary Record (SCP Record)" - a summary record which contains information concerning the quantity and types of queries launched to an SBC Michigan SCP. In those situations where charges are applicable for the production and delivery of SCP records, such charges will be those specified in Exhibit II pertaining to the production and forwarding of AUR data.

3 RESPONSIBILITIES OF THE PARTIES FOR IXC TRANSPORTED CALLS

- 3.1 SBC Michigan will record all IXC transported messages for MCI carried over all Feature Group Switched Access Services that are available to SBC Michigan provided recording equipment or operators. Unavailable messages (i.e., certain operator messages that are not accessible by SBC Michigan-provided equipment or operators) will not be recorded. The recording equipment will be provided at locations selected by SBC Michigan.
- 3.2 Standard Category 11 EMR/EMI record formats (210 bytes) for the provision of access usage record detail will be established by SBC Michigan and provided to MCI. SBC Michigan shall include the "From Number" of the call originator on each EMR/EMI call record. Customer usage records and station level detail records shall be in packs in accordance with EMR standards. SBC Michigan will provide access usage record data within a timely manner and within the MECAB guidelines, but no later than ten (10) business days.
- 3.3 Recorded billable message detail and access usage record detail will not be sorted to furnish detail by specific end user customers, by specific groups of end user customers, by office, by feature group or by location.
- 3.4 SBC Michigan will provide message detail to MCI in data files, via data lines (normally a File Transfer Protocol), utilizing an 800 dial up or the Internet to receive and deliver messages or a network data mover facility, using software and hardware acceptable to both Parties.
- 3.5 In Exhibit II, MCI will identify separately the location where the data transmissions should be sent (as applicable) and the number of times each month the information should be provided. SBC Michigan reserves the right to limit the frequency of transmission to existing SBC Michigan processing and work schedules, holidays, etc. For SBC Michigan, data transmissions are performed on a daily basis, Monday – Friday.

- 3.6 SBC Michigan will determine the number data files required to provide the access usage record detail to MCIIm.
- 3.7 The Parties shall retain copies of the message detail records provided to each other for ninety (90) days. MCIIm may request that data, which has previously been successfully provided to MCIIm by SBC Michigan, be re-provided by SBC Michigan, at no additional charge if the record detail is within the last ninety (90) days. If the request is for detail records transmitted more than ninety (90) days prior to the request date, such recorded billable message detail and/or access usage record detail previously provided and lost or destroyed through no fault of SBC Michigan will only be made available to MCIIm on an individual case basis at a cost determined by SBC Michigan.
- 3.8 Intentionally Omitted.
- 3.9 SBC Michigan will record the applicable detail necessary to generate access usage records and forward them to MCIIm for its use in billing access to the IXC.
- 3.10 The Parties shall notify each other of resend requirements if a pack or entire dataset must be replaced. Notification of pack rejection shall be made within one (1) business day of processing and corrections. The Parties shall make commercially reasonable efforts to provide correction and retransmission of corrupted data within one (1) business day or within an alternate timeframe negotiated by the Parties. A pack shall conform to industry guidelines EMR standards.
- 3.11 When SBC Michigan is notified that, due to error or omission, incomplete data has been provided to MCIIm, SBC Michigan will make reasonable efforts to locate and/or recover the data and provide it to MCIIm at no additional charge. Such requests to recover the data must be made within sixty (60) calendar days from the date the details initially were made available to MCIIm. If written notification is not received within sixty (60) calendar days, SBC Michigan shall have no further obligation to recover the data and shall have no further liability to the MCIIm.
- 3.12 If, despite timely notification by MCIIm, message detail is lost and unrecoverable as a direct result of SBC Michigan having lost or damaged tapes or incurred system outages while performing recording, assembly and editing, rating, message processing, and/or transmission of message detail, SBC Michigan will estimate the volume of lost messages and associated revenue, with assistance from MCIIm, based on information available to the Parties and utilizing a method or methods mutually agreed to by the Parties.
- 3.13 Intentionally Omitted.
- 3.14 Intentionally Omitted.
- 3.15 Intentionally Omitted.
- 3.16 Intentionally Omitted.
- 3.17 SBC Michigan as the Recording Company, agrees to provide recording, assembly and editing, message processing and provision of message detail for Access Usage Records (AURs) ordered/required by MCIIm in accordance with this agreement on a reciprocal, no-charge basis. MCIIm agrees to provide any and all Summary Usage Records (SURs) required by SBC Michigan on a reciprocal, no-charge basis. The Parties agree that this mutual exchange of records at no charge to either Party shall otherwise be conducted according to the guidelines and specifications contained in the Multiple Exchange Carrier Access Billing (MECAB) document.

4 RESPONSIBILITIES OF THE PARTIES FOR LOCAL CALLS ORIGINATED BY MCI_m CUSTOMERS THROUGH RESALE OR UNE

- 4.1 SBC Michigan will provide MCI_m a specific Daily Usage File (“DUF” or “Usage Extract”) for Resale Services and Network Element usage sensitive services provided hereunder (“Customer Usage Data”). SBC Michigan will provide MCI_m with all originating and terminating call records for all UNE-P on user customer numbers and originating call records for Resale end user customer numbers. Such Customer Usage Data shall be provided by SBC Michigan in accordance with Exchange Message Interface (EMI) guidelines supported by OBF. Any exceptions to the supported formats will be noted in the DUF implementation requirements documentation for each ILEC. The DUF shall include (i) specific daily usage, including both Local Traffic (if and where applicable) and LEC-carried IntraLATA Toll Traffic, in EMI format for usage sensitive services furnished in connection with each Resale Service and Network Element to the extent that similar usage sensitive information is provided to retail end user customers of SBC Michigan within that state, (ii) with sufficient detail to enable MCI_m to bill its end user customers for usage sensitive services furnished by SBC Michigan in connection with Resale Services and Network Elements provided by SBC Michigan. DUF records shall be based on call completion and not call attempts. Procedures and processes for implementing the interfaces with SBC Michigan will be included in implementation requirements documentation.
- 4.2 To establish file transmission for the Daily Usage File, MCI_m must provide a written request to SBC Michigan, no less than sixty (60) calendar days prior to the desired first transmission date for each file.
- 4.3 Call detail for LEC-carried calls that are alternately billed to MCI_m end user customers lines provided by SBC Michigan through Resale or Network Elements will be forwarded to MCI_m as rated call detail on the DUF.
- 4.4 SBC Michigan shall bill MCI_m for Usage Extract furnished by SBC Michigan in accordance with the price(s) provided in the applicable Appendix Pricing under "Electronic Billing Information." Pricing for Resale is listed as “Electronic Bill Information” in Appendix Pricing. Pricing for UNE DUF Exchange is listed as “Unbundled Local Switch Daily Usage Fee (DUF) in Appendix Pricing.
- 4.5 Interexchange call detail on Resale Services or Network Elements (ports) that is forwarded to SBC Michigan for billing, which would otherwise be processed by SBC Michigan for its retail end user customers, will be returned to the IXC and will not be passed through to MCI_m. This call detail will be returned to the IXC with a transaction code indicating that the returned call originated from a resold account. Billing for Information Services and other ancillary services traffic on Resale Services and Network Elements (ports) will be passed through when SBC Michigan records the message.
- 4.6 Intentionally Omitted.

- 4.7 Intentionally Omitted.
- 4.8 When SBC Michigan is notified that, due to error or omission, incomplete data has been provided to MCI, SBC Michigan will make reasonable efforts to locate and/or recover the data and provide it to MCI at no additional charge. Such requests to recover the data must be made within sixty (60) calendar days from the date the details initially were made available to MCI. If written notification is not received within sixty (60) calendar days, SBC Michigan shall have no further obligation to recover the data and shall have no further liability to MCI.
- 4.8.1 If, despite timely notification by MCI, message detail is lost and unrecoverable as a direct result of SBC Michigan having lost or damaged tapes or incurred system outages while performing recording, assembly and editing, rating, message processing, and/or transmission of message detail, SBC Michigan will estimate the volume of lost messages and associated revenue, with assistance from MCI, based on information available to the Parties and utilizing a method or methods mutually agreed to by the Parties.
- 4.9 Intentionally Omitted.
- 4.10 Intentionally Omitted.
- 4.11 Intentionally Omitted.
- 4.12 Intentionally Omitted.
- 4.13 SBC Michigan shall provide call records to support usage sensitive vertical features if these features are part of SBC Michigan's resale or unbundled switching offerings in accordance to OBF guidelines.
- 4.14 The Parties shall notify each other of resend requirements if a pack or entire dataset must be replaced. Notification of pack rejection shall be made within one (1) business day of processing and corrections. The Parties shall make commercially reasonable efforts to provide correction and retransmission of corrupted data within one (1) business day or within an alternate timeframe negotiated by the Parties.
- 4.15 A pack shall conform to industry guidelines EMR standards.

The attached Exhibits show the service options that are offered under this Agreement for IXC transported calls.

EXHIBIT I SERVICES

EXPLANATION OF SERVICE OPTIONS

ORIGINATING 1+ DDD RECORDINGS - IXC TRANSPORTED MESSAGE DETAIL AND ACCESS USAGE RECORDS

- Option #1:** This option has been withdrawn.
- Option #2:** The Recording Company performs recording, assembly and editing of the billable message detail and extracts that detail to the IXC for all 1+ IXC transported messages originating from MCI's End Office. The Recording Company creates Access Usage Records for this traffic and forwards those AUR records to MCI.
- Option #3:** The Interexchange Carriers do own billable message recording for their 1+ IXC transported messages originating from MCI's End Office. The Recording Company performs recording for Access purposes only, assembles and edits this data, creates AURs and forwards the AUR records to MCI.

ORIGINATING OPERATOR RECORDINGS - IXC TRANSPORTED MESSAGE DETAIL AND ACCESS USAGE RECORDS

- Option #4:** MCI Non-Equal Access End Office - The Interexchange Carriers do own billable message recording. The Recording Company performs local and intraLATA operator services for MCI. The Recording Company performs recording at the operator switch for all 0+, 0-, Coin Sent Paid, CAMA and International IXC transported messages. The Recording Company assembles and edits this data, creates AURs and forwards the AUR records to MCI.
- Option #5:** MCI Equal Access End Office - The Interexchange Carriers do own billable message recording. The Recording Company performs local and intraLATA operator services for MCI. The Recording Company performs recording at the operator switch for 0- only IXC transported messages. The Recording Company assembles and edits this data, creates AURs and forwards the AUR records to MCI.
- Option #6:** This option has been withdrawn.
- Option #7:** This option has been withdrawn.

800 RECORDINGS - IXC TRANSPORTED MESSAGE DETAIL

- Option #8:** Recording Company performs SSP function for MCI's End Office and bills query charge to the appropriate Interexchange Carrier. The Recording Company performs recording for Access purposes only, assembles and edits this data, creates AURs and forwards AUR records to MCI.

800 RECORDINGS - IXC TRANSPORTED MESSAGE DETAIL (Continued)

- Option #9:** This option has been withdrawn.
- Option 10:** Recording Company performs SCP function for MCI. The Recording Company performs recording at the SCP, assembles and edits this data, creates SCP records and forwards SCP records to MCI.

TERMINATING RECORDINGS - IXC TRANSPORTED ACCESS USAGE RECORDS

- Option 11:** Recording Company provides tandem function for MCI. MCI requests Recording Company to provide all Feature Group B, Feature Group C and Feature Group D terminating usage recordings including Feature Group B over D and Feature Group C over D. Recording Company creates terminating AURs for this data and forwards AUR records to MCI.
- Option 12:** Recording Company provides tandem function for MCI. MCI requests Recording Company to provide all Feature Group B terminating usage recordings excluding B over D. Recording Company creates terminating AURs for this data and forwards AUR records to MCI.
- Option 13:** Recording Company provides tandem function for MCI. MCI requests Recording Company to provide all Feature Group B terminating usage recordings including Feature Group B over D. Recording Company creates terminating AURs for this data and forwards AUR records to MCI.
- Option 14:** Recording Company provides tandem function for MCI. MCI requests Recording Company to provide all Feature Group D terminating usage recordings including B over D and C over D. Recording Company creates terminating AURs for this data and forwards AUR records to MCI.
- Option 15:** Recording Company provides tandem function for MCI. MCI requests Recording Company to provide all Feature Group D terminating usage recordings including B over D. Recording Company creates terminating AURs for this data and forwards AUR records to MCI.

MESSAGE PROVISIONING

- Option 16:** The Recording Company will forward all IXC transported message detail records or access usage records to MCI generated internally within the Recording Company system or received via CMDS from an Interexchange Carrier or another Local Exchange Carrier telephone company. MCI forwards rated IXC transported message detail or access usage detail to Recording Company for distribution to the appropriate billing company through SBC Michigan's internal network or using the CMDS network.

Form SW-1773-I

EXHIBIT II

INVOICE DESIGNATION

Effective January 1, 1999

COMPANY NAME:

EXCHANGE COMPANY I.D. NUMBER (OCN):

BILLABLE INVOICE INTERVAL:

Check One:

Daily (Full Status RAO Companies will receive billable messages daily.)

Bill period (A maximum of five dates may be chosen.) A file is created five workdays from each bill period date, and three additional days should be allowed for distribution. Circle a maximum of five bill period dates:

1 3 5 7 9 11 13 15 17 19 21 23 25 27 29

Form SW-1733-III-B

AUR INVOICE INTERVAL:

Check One:

Daily (Full Status RAO Companies will receive AURs daily.)

Bill period (A maximum of five dates may be chosen.) A file is created five workdays from each bill period date, and three additional days should be allowed for distribution. Circle a maximum of five bill period dates:

1 3 5 7 9 11 13 15 17 19 21 23 25 27 29

RESALE

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1 TELECOMMUNICATIONS SERVICES PROVIDED FOR RESALE

- 1.1 This Appendix describes several services that SBC Michigan shall make available to MCIIm for resale pursuant to this Agreement. All services or offerings of SBC Michigan which are to be offered for resale pursuant to the Act are subject to the terms herein. SBC Michigan shall make Telecommunications Services that SBC Michigan provides at retail to subscribers who are not Telecommunications Carriers available for resale consistent with the obligation under Section 251 (c) (4) (A) of the Act and other applicable limitations.
- 1.2 At the request of MCIIm, and pursuant to the requirements of the Act, SBC Michigan will make available to MCIIm on non-discriminatory terms and conditions, any Telecommunications Service required by the Act and implementing regulations to be offered for resale that SBC Michigan currently provides or may offer hereafter. SBC Michigan shall also provide support functions and service functions, as set forth in this Appendix and Appendix OSS. The Telecommunications Services provided by SBC Michigan for resale, and the service functions and support functions provided by SBC Michigan to MCIIm pursuant to this Agreement are collectively referred to as "Local Service."
- 1.3 MCIIm may resell, to other Telecommunications carriers, services purchased under this Appendix.

2 GENERAL TERMS AND CONDITIONS FOR RESALE

- 2.1 Primary Local Exchange Carrier Selection. SBC Michigan shall apply the principles set forth in Federal Communications Commission Rules, 47 C.F.R. Section 64.1100 et seq., to process end-user selection of a primary local exchange carriers. SBC Michigan shall not require a written letter of authorization and shall not require a disconnect order to process a MCIIm order for local service.
- 2.2 Prior to submitting an order under this Appendix, MCIIm shall obtain authorization as required by applicable federal and state laws and regulations, and assumes responsibility for its applicable charges as specified in Section 258(b) of the Act and Tariff MPSC No. 20R. SBC Michigan shall abide by the same applicable laws and regulations.
- 2.3 The Parties shall comply with all applicable MPSC rules regarding switching end user customers from one telecommunications provider to another, including, but not limited to, the procedures adopted in Case No. U-11900.
- 2.4 When an end user customer changes or withdraws authorization, each Party shall release customer-specific facilities in accordance with the end user customer's direction or the direction of the end user customer's authorized agent. Further, when an end user customer abandons its premises, SBC Michigan is free to reclaim the facilities for use by another end user customer and is free to issue service orders required to reclaim such facilities. SBC Michigan shall notify MCIIm of such abandonment in advance of removing the facilities. Such notification shall follow the email process currently in place between the Parties.
- 2.5 Should SBC Michigan receive an order from MCIIm for services under this Appendix, and SBC Michigan is currently providing the same services to another local service provider for the same end user customer, MCIIm agrees that SBC Michigan will notify the local service provider from whom the end user customer is being converted of MCIIm's order. It shall then be the responsibility of the former local service provider of record and MCIIm

to resolve any issues related to the end user customer. This section shall not apply to new or additional lines and services purchased by the end user customer from multiple CLECs or from SBC Michigan.

- 2.6 MCIIm is solely responsible for the payment of all charges for all services furnished under this Appendix ordered by MCIIm.
- 2.7 SBC Michigan shall not be responsible for the manner in which MCIIm bills its customers. All applicable rates and charges for services provided to MCIIm under this Appendix will be billed directly to MCIIm and shall be the responsibility of MCIIm regardless of MCIIm's ability to collect. MCIIm shall not be responsible for payment of charges for any retail services furnished and billed by SBC Michigan directly to end user customers.

3 PRICING

- 3.1 The wholesale discount for resale services is reflected in Appendix Pricing. In addition to the discounted rates set forth in Appendix Pricing, MCIIm shall pay SBC Michigan for any applicable charges or fees, if any, incident to the establishment or provision of resale services requested by MCIIm, including initial non-recurring charges.
- 3.2 Telecommunications Services, including promotions (greater than 90 days), shall be available to MCIIm at wholesale rates as specified in Appendix Pricing, and shall be no less favorable than the wholesale rates made available by SBC Michigan to comparable CLECs; provided, however, pursuant to Section 252 of the Act, implementing regulations and any court decisions applicable thereto, SBC Michigan shall make available to MCIIm for resale, without unreasonable delay, any local service which SBC Michigan offers to any other CLEC for resale contained in any agreement to which SBC Michigan is a Party that has been filed and approved by the Commission.

4 RESALE RESTRICTIONS

- 4.1 To the extent consistent with applicable federal and state rules and regulations, MCIIm may resell local services to provide Telecommunications Services. SBC Michigan will not prohibit, nor impose unreasonable or discriminatory conditions or limitations on the resale of its Telecommunications Services. Services that SBC Michigan has grandfathered or grandfathers in the future may only be resold to current subscribers of the same grandfathered services.
- 4.2 SBC Michigan shall not use promotional offerings to avoid the wholesale rate obligation, for example, by consecutively offering a series of ninety (90) day promotions. Promotions are available for the telecommunications services outlined in accordance with state specific commission requirements. SBC Michigan retail promotions of ninety (90) days or less are not available to MCIIm for resale.
- 4.3 MCIIm shall only resale services to the same category of subscriber to whom SBC Michigan offers such services (for example, residential service shall not be resold to business subscribers).
- 4.4 MCIIm shall not use a resold service to avoid the rates, terms and conditions of SBC Michigan's corresponding retail tariff.

- 4.5 MCIIm shall not use resold local Telecommunications Services to provide access or interconnection services to itself, Interexchange carriers (IXCs), wireless carriers, competitive access providers (CAPs), or other telecommunications providers; provided, however, that MCIIm may permit its subscribers to use resold local exchange telephone service to access IXCs, wireless carriers, CAPs, or other retail telecommunications providers.
- 4.6 A Federal End User Common Line charge will apply to each local exchange line furnished to MCIIm under this Appendix for resale.
- 4.7 To the extent allowable by law, MCIIm shall be responsible for Primary Interexchange Carrier (PIC) and Local Primary Interexchange Carrier (LPIC) change charges associated with each local exchange line furnished to MCIIm for resale. MCIIm shall pay all charges for PIC and LPIC changes at the price listed in the Appendix Pricing.
- 4.8 SBC Michigan shall provide on a nondiscriminatory basis, the services covered by this Appendix subject to the availability of existing facilities. MCIIm shall resell the services provided herein only in those service areas in which such resale services or any feature or capability thereof are at retail by SBC Michigan as the incumbent local exchange carrier.
- 4.9 SBC Michigan's services are not available at wholesale rates to MCIIm for its own use or for the use of any of MCIIm's affiliates and/or subsidiaries or the use of MCIIm's parent or any affiliate and/or subsidiary of MCIIm's parent company, if any.
- 4.10 Unless permitted by tariff, MCIIm shall not permit the sharing of a service by multiple end user customer(s) or the aggregation of traffic from multiple end user customers onto a single service.
- 4.11 To the extent SBC Michigan makes available to itself, its end user customers, subsidiaries, Affiliates or any other third parties any volume or term discounts, SBC Michigan shall make such volume and term discounts available to MCIIm at the same rates, terms and conditions.

5 DIALING AND SERVICE PARITY, NUMBER RETENTION

- 5.1 Unless technically infeasible, for resold service SBC Michigan shall ensure that all MCIIm end user customers experience the same dialing parity as comparable SBC Michigan end user customers, such that, for all call types: (i) an MCIIm end user customer is not required to dial any greater number of digits than a comparable SBC Michigan end user customer; (ii) the MCIIm end user customer may retain its local telephone number with no loss of switch features and functionalities; and (iii) the post-dial delay (time elapsed between the last digit dialed and the first network response), call completion rate and transmission quality experienced by an MCIIm end user customer is at least equal in quality to that experienced by a comparable SBC Michigan end user customer. This subsection shall also apply to the local portion of 1+ intraLATA and interLATA calls.
- 5.2 For resold services, SBC Michigan shall ensure that all MCIIm end user customers experience the same service levels as comparable SBC Michigan end user customers, and that there is no loss of switch features or functionalities, including, but not limited to: same dial tone and ringing; same capability for either dial pulse or touch tone recognition; flat rate services; same extended local free calling area.

6 CHANGES IN RETAIL SERVICE

- 6.1 SBC Michigan will notify MCIIm at least forty five (45) days in advance of any changes in the terms and conditions under which it offers telecommunications services, including, but not limited to, the introduction of any new or discontinuance of any features, functions, services or promotions or the discontinuance of current features or services, in accordance with state commission guidelines.
- 6.2 The rights, obligations, and duties set forth in this Appendix are subject to Section 222 of the Act, regulations thereunder, and relevant FCC and Commission decisions, and state law.

7 REQUIREMENTS FOR SPECIFIC SERVICES

- 7.1 Centrex Requirements. MCIIm shall only sell Plexar [™], Centrex and Centrex-like services to a single end user customer or multiple end user customer(s) in accordance with the terms and conditions set forth in the corresponding SBC Michigan retail tariff(s) applicable within that state.
 - 7.1.1 CLASS and Custom Features Requirements. Where deployed, and at MCIIm's option, MCIIm may purchase the entire set of CLASS and Custom Features and functions, or a subset of any one or any combination of such features that are actually deployed on an end user customer-specific basis, without restriction on the minimum or maximum number of lines or features that may be purchased for any one level of service.
 - 7.1.1.1 All features and functions of CENTREX Service, where deployed, whether offered under tariff or otherwise, shall be available to MCIIm for resale, including any geographic or customer class restrictions which may be imposed by applicable federal and state orders.
 - 7.1.1.2 MCIIm may purchase the entire set of CENTREX features or a subset of any one or any combination of such features that are available for resale per the state specific tariff. Updates to SBC Michigan's feature offerings will be distributed to MCIIm via accessible letter and/or the SBC Michigan's CLEC website.
 - 7.1.2 All service levels and features of CENTREX Service provided by SBC Michigan for resale by MCIIm shall be at parity to those provided to SBC Michigan's end user customers.
 - 7.1.3 Intentionally Omitted.
 - 7.1.4 MCIIm may utilize Automatic Route Selection ("ARS") or Flexible Route Selection (FRS) capabilities, where available.
- 7.2 MCIIm may only resell special needs services as identified in associated state specific tariffs to persons who are eligible for each such service. As used herein, the term "special needs services" means services for the physically disabled where the disability is related to vision, speech, hearing or motion. Further, to the extent MCIIm resells services that require certification on the part of the end user customer, MCIIm shall ensure that the

end user customer has obtained proper certification and complies with all rules and regulations as established by the appropriate Commission.

7.2.1 Intentionally Omitted.

7.2.2 Telephone Assistance Programs

7.2.2.1 Intentionally Omitted.

7.2.2.2 MCIIm will adhere to all applicable regulation and law in the administration of Telephone Assistance Programs for its customers.

7.2.2.3 If an existing SBC Michigan customer is certified as eligible for Telephone Assistance Programs, for example LifeLine or Link-Up services, the CSR information that SBC Michigan provides to MCIIm when MCIIm acquires that customer will include an indicator which identifies the customer's eligibility for a Telephone Assistance Program.

7.2.2.4 MCIIm is responsible for determining its customers' eligibility for Telephone Assistance Programs, and for certifying and recertifying eligible customers, as required by applicable federal and state regulation and law, including obtaining and retaining documentary evidence of eligibility.

7.3 Intercept and Transfer Services. SBC Michigan shall provide intercept and transfer services to MCIIm for MCIIm end user customers on the same basis as such services are available to comparable SBC Michigan end user customers.

7.4 E911/911 Services. SBC Michigan shall provide to MCIIm, for MCIIm end user customers, E911/911 call routing to the appropriate Public Safety Answering Point ("PSAP") at parity with that provided to SBC Michigan's end user customers. SBC Michigan shall use its service order process to update and maintain on the same schedule that it uses for its retail customers, the MCIIm customer service information in the ALI/DMS used to support 911 services. SBC Michigan shall provide and validate MCIIm end user customer information to the PSAP.

7.5 MCIIm shall be responsible for collecting and remitting all applicable 911 fees and surcharges on a per line basis to the appropriate Public Safety Answering Point (PSAP) or other Governmental Authority responsible for collection of such fees and surcharges.

7.6 Where technically feasible, the Parties will begin developing a direct-dial method for end user customers to confirm their local exchange carrier selection. The agreed-upon method will allow MCIIm and SBC Michigan end user customers to dial the same digits to confirm that their calls are being carried by their chosen local service provider. The method may, for example, function similarly to the "700" number used nationally to confirm presubscribed interexchange carrier selections. It must not foreclose migration to a nationwide confirmation method if one is developed. If the Parties cannot agree to a new method within sixty (60) days after MCIIm's written request, either Party may invoke the Dispute Resolution Process set forth in Appendix General Terms and Conditions of this Agreement.

7.7 Customer Specific Pricing Agreements. MCIIm may purchase SBC Michigan customer-specific service offerings for resale to any customer who would have been eligible to take such offering directly from SBC Michigan. Where MCIIm and SBC Michigan are competing at retail for the same customer, both retail price and associated wholesale

discount shall be calculated by SBC Michigan without unreasonable delay. SBC Michigan shall take all steps necessary to prevent its retail sales and marketing personnel from obtaining information regarding MCIIm's request or other competitively sensitive information.

- 7.8 Inside Wire Maintenance Service. MCIIm may enter into a separate agreement with SBC Michigan to purchase SBC Michigan inside wire maintenance service for use with MCIIm customers.

8 SUPPORT FUNCTIONS FOR RESOLD SERVICES

- 8.1 The following support functions are offered in conjunction with a resold service: Operator Services, Directory Assistance (OS/DA) and Repair Services.

- 8.2 SBC Michigan shall make customized routing of OS/DA traffic available to MCIIm upon request. For issues involving Customized Routing of OS/DA traffic, see Appendix OS and Appendix DA.

- 8.3 Intentionally Omitted.

- 8.4 Branding

8.4.1 Except where otherwise required by law, MCIIm shall not, without SBC Michigan's prior written authorization, offer the services covered by this Appendix using the trademarks, service marks, trade names, brand names, logos, insignia, symbols or decorative designs of SBC Michigan or its Affiliates, nor shall MCIIm state or imply that there is any joint business association or similar arrangement with SBC Michigan in the provision of Telecommunications Services to MCIIm's end user customers.

8.4.2 Where available, SBC Michigan will brand Operator Services (OS) and/or Directory Assistance (DA) as outlined below:

8.4.2.1 MCIIm will provide SBC Michigan recorded announcements and written specifications to be used to brand MCIIm's OS/DA calls.

8.4.2.2 A brand shall be announced at the beginning of each telephone call and before the consumer incurs any charge for the call.

8.4.2.3 Where SBC Michigan provides MCIIm OS and DA services via the same trunk, both OS and DA calls will be branded with the same brand. Where separate trunk groups are utilized, different brands may be used on each trunk group.

8.4.2.4 Charges for branding are set forth in Appendix Pricing.

8.4.2.5 Until MCIIm's resold OS/DA traffic is customized routed off of the SBC Michigan OS/DA platform, SBC Michigan will continue to provide OS/DA branding on SBC Michigan's own platform using the service provided ID solution currently in effect.

- 8.5 Intentionally Omitted.

- 8.6 Directory Assistance (DA) Listings

- 8.6.1 SBC Michigan will include the MCI end user customer listing in its Directory Assistance database as part of the service order process. SBC Michigan will honor MCI end user customer's preferences for listing status, including non-published and unlisted, as noted on the service order request or similar form and will ensure that the listing appears as MCI requested in the SBC Michigan database which is used to perform Directory Assistance functions. SBC Michigan shall permit MCI end user customers the option of having a non-listed telephone number; this option will be provided at the same price SBC Michigan charges its end user customers for the same option. Performance Measurements associated with this service are set forth in Appendix Performance Measurements and are incorporated by this reference. SBC Michigan will provide Directory Assistance service to MCI that equals the Directory Assistance Service SBC Michigan provides to itself and its own end user customers.
- 8.6.2 Intentionally Omitted.
- 8.7 OS/DA calls which, at MCI's option, are routed to SBC Michigan, will meet or exceed the Performance Measurements which SBC Michigan provides to itself and its own end user customers. SBC Michigan will provide the full range of Operator Services at the rates set forth in Appendix Pricing, including, but not limited to, collect, person-to-person, station to station, bill to third-party, busy line verification and busy line interrupt, handicapped caller assistance, and emergency call assist.
- 8.8 Repair Calls. The Parties shall refer repair calls (e.g., 611) dialed by the other Party's end user customer to the repair number supplied by the appropriate Party.
- 8.9 When MCI routes Operator Services and Directory Assistance to an alternate operator service provider, Busy Line Verification and Emergency Line Interrupt shall be implemented. Until such time that an electronic interface is made available by SBC Michigan to access SBC Michigan database for Operator Services, if MCI has purchased the resale line without SBC Michigan Operator Services, SBC Michigan will offer Operator-to-Operator BLV/BLVI to MCI on a non-discriminatory basis, in accordance with LERG instructions. SBC Michigan requires that a reciprocal BLV/BLVI network be established between SBC Michigan and MCI's operator service provider.
- 8.10 Access to the Line Information Database. SBC Michigan shall update and maintain MCI end user customer information, as received by MCI, in the Line Information Database ("LIDB") in the same manner and on the same schedule that it maintains information in LIDB for SBC Michigan end user customers.
- 8.11 Telephone Line Number Calling Cards. Effective as of the date of a customer's subscription to MCI's service, SBC Michigan will remove any SBC Michigan assigned telephone line calling card number (including area code)(TLN) from LIDB. MCI may choose to enable a MCI calling card based upon the telephone number of a resold line. The use of such a calling card will depend upon the use of SBC Michigan's LIDB. To enable such a calling card, MCI shall provide (on the order for the resale line), a four-digit numerical pin number which will be used by the end user customer in the use of the MCI calling card. SBC Michigan will provide billing usage data via the established mechanisms.

- 8.12 End Office Features. SBC Michigan shall provide for resale the same end-office switch features that are available to SBC Michigan's end-user customers, including, but not limited to CLASS features, Custom Features, and AIN features.
- 8.13 Call Blocking. Upon MCI's request, SBC Michigan will provide blocking on a line by line basis of an MCI end user customer's access to any or all of the following call types: 700, 900, 976, bill to third and collect, and such other call types for which SBC Michigan provides blocking to comparable end user customers. If MCI does not wish to be responsible for payment of charges for collect, third number billed, toll and information services (for example, 900) calls, it must order the appropriate blocking for lines provided under this Agreement and pay any applicable charges. It is the responsibility of MCI to order the appropriate toll restriction or blocking on lines resold to end user customers. MCI acknowledges that blocking is not available for certain types of calls, including 800, 888, 411 and Directory Assistance Express Call Completion. MCI shall not be responsible for any charges for calls for which blocking is not available or calls which bypass the blocking systems except for calls intentionally by-passed by MCI users.
- 8.14 Law Enforcement and Service Annoyance. SBC Michigan and MCI will develop procedures to handle requests from law enforcement agencies for service termination, wire taps and provisions of customer usage data pursuant to a lawful process as well as procedures to handle MCI end user customer complaints concerning harassing or annoying calls. Such procedures will include, but not be limited to, a process for MCI to interface with SBC Michigan regarding law enforcement and service annoyance issues on a 24 hour per day, 7 days a week basis. Notwithstanding the above, MCI shall not be relieved of its obligations in respect of requests from law enforcement agencies during the time the Parties are developing procedures referenced in this paragraph.

9 SERVICE FUNCTIONS

SBC Michigan shall allow MCI to place service orders and receive phone number assignments (for new lines). These activities shall be accomplished by electronic interface. SBC Michigan shall provide interface specifications for electronic access for these functions pursuant to other Appendices within this Agreement.

- 9.1 Work Order Processes. SBC Michigan shall ensure that all work order processes used to provision local service to MCI for resale meet the service parity requirements set forth in other Appendices within this Agreement.
- 9.1.1 Additional Service Ordering, Provisioning, Maintenance, Billing and Customer Usage Data requirements and procedures are set forth in other Appendices within this Agreement.
- 9.2 Point of Contact for the MCI end user customer. Except as otherwise provided in this Agreement, MCI shall be the single and sole point of contact for all MCI end user customers.
- 9.3 The Parties shall refer all questions regarding each other's services or products directly to the other at a telephone number specified by the appropriate Party.
- 9.4 The Parties will ensure that all representatives who receive inquiries regarding the other Party's services shall (1) provide such numbers if available to callers who inquire about that Party's services or products, (2) do not in any way disparage or discriminate against each other or that Party's products and services, and (3) not solicit each others' services during such inquiries.

- 9.5 Points of Contact. Each Party shall provide the other Party with an account team for all inquiries regarding the implementation of this Appendix. Each Party shall accept all inquiries from the other Party and provide timely responses.
- 9.6 Maintenance. Maintenance will be provided by SBC Michigan in accordance with the service parity requirements and measurements as set forth in other Appendices within this Agreement.
- 9.7 Except as specifically provided in this Agreement or pursuant to an order of a court or commission of competent jurisdiction, SBC Michigan may not initiate any disconnect, suspension or termination of an MCIIm customer's resale services unless directed to do so by MCIIm by transmission of a service order or SBC Michigan's receipt of proper authorization to change such customer's primary local exchange carrier to a carrier other than MCIIm. SBC Michigan will provide MCIIm with an electronic notice of customers who change their local carrier.
- 9.8 The Exchange of Billing Message Information shall be in accordance with Appendix Recording.
- 9.9 "As Is" Transfers of End User Customer Accounts. SBC Michigan shall allow MCIIm to initiate "As Is" transfers of local exchange telecommunications services. For purposes of this Appendix, an "As Is" transfer is the transfer of all the telecommunications services and features available for resale that are currently being provided to a specific end user customer account.
- 9.10 Advanced Intelligent Network. MCIIm may purchase those AIN features and functions that SBC Michigan offers at retail, to subscribers who are not telecommunications carriers.
- 9.10.1 All service levels, features and function components of AIN provided by SBC Michigan and offered for resale by MCIIm will be provided by SBC Michigan at parity with the same services SBC Michigan offers to its own customers.
- 9.10.2 MCIIm may purchase any and all levels of AIN service for resale services without restriction on the minimum or maximum number of lines or features that may be purchased for any one level of service where technically feasible.

RIGHTS OF WAY

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1 INTRODUCTION

- 1.1 This Appendix sets forth the terms and conditions for Rights of Way (ROW), Conduits and Poles provided by SBC Michigan to MCIIm.
- 1.2 Intentionally Omitted.
- 1.3 Intentionally Omitted.
- 1.4 The prices at which SBC Michigan agrees to provide MCIIm with ROW are contained in the applicable Appendix Pricing.

2 DEFINITIONS

- 2.1 Intentionally Omitted.
- 2.2 Anchor. The term "anchor" refers to a device, structure, or assembly, which stabilizes a pole and holds it in place. An anchor assembly may consist of a rod and fixed object or plate, typically embedded in the ground, which is attached to a guy strand or guy wire, which, in turn, is attached to the pole. The term "anchor" includes only those anchors, which are owned by SBC Michigan, as distinguished from anchors, which are owned and controlled by other persons or entities, and does not include the guy strand, which connects the anchor to the pole.
- 2.3 Anchor/guy strand. The term "anchor/guy strand" refers to supporting wires, typically stranded together, or other devices attached to a pole and connecting that pole to an anchor or to another pole for the purpose of increasing pole stability. The term "anchor/guy strand" includes, but is not limited to, strands sometimes referred to as "anchor strands," "down guys," "guy strands," and "pole-to-pole guys."
- 2.4 Approved Vendor. A vendor who is qualified by SBC Michigan for installation, maintenance, and/or repair. SBC Michigan shall not unreasonably withhold approval of vendors.
- 2.5 Assigned. The term "assigned", when used with respect to conduit or duct space or pole attachment space, refers to any space in such conduit or duct or on such pole that is occupied by an entity with authority to attach. To ensure the judicious use of poles and conduits, space "assigned" must be physically occupied by said entity within 9 months of the space being "assigned".
- 2.6 Available. The term "available", when used with respect to conduit or duct space or pole telecommunication space, refers to any usable space in such conduit or duct, or any usable telecommunication space on such pole not assigned to a specific provider at the applicable time.
- 2.7 Conduit Occupancy. The terms "conduit occupancy" and "occupancy" refer to the presence of wire, cable, optical conductors, or other facilities within SBC Michigan's conduit system.

- 2.8 Conduit System. The term "conduit system" refers to any combination of ducts, conduits, manholes or hand holes joined to form an integrated hole. As used in this Agreement, the term "conduit system" does not include (a) cable and other telecommunications equipment located in conduit structure or (b) central office vaults, controlled environmental vault, or other SBC Michigan structures (such as huts and cabinets) which branch off from or are connected to SBC Michigan conduit. In this Appendix, the term refers to conduit systems owned or controlled by SBC Michigan.
- 2.9 Duct. The term "duct" refers to a single enclosed tube, pipe, or channel for enclosing and carrying cables, wires, and other facilities. As used in this Appendix, the term "duct" includes "inner-ducts" created by subdividing a duct into smaller channels.
- 2.10 Facilities. The terms "facility" and "facilities" refer to any property or equipment utilized in the provision of telecommunication services.
- 2.11 Inner-Duct. The term "inner-duct" refers to a pathway created by subdividing a duct into smaller channels.
- 2.12 Insufficient Capacity. The lack of existing available space on or in Structure and the inability to create the necessary space by taking all reasonable steps to do so.
- 2.13 Licensee. The term "licensee" refers to MCIIm which has entered or may enter into an agreement or arrangement with SBC Michigan permitting MCIIm to place its facilities in SBC Michigan's conduit system or attach its facilities to SBC Michigan's poles or anchors. Licensee and MCIIm may be used interchangeably throughout this Appendix.
- 2.14 Intentionally Omitted.
- 2.15 License. The term "license" refers to any license issued pursuant to this Agreement and may, if the context requires, refer to conduit occupancy or pole attachment permits issued by SBC Michigan prior to the date of this Agreement.
- 2.16 Make-Ready work. The term "make-ready work" refers to all work performed or to be performed to prepare SBC Michigan's conduit systems, poles or anchors and related facilities for the requested occupancy or attachment of MCIIm's facilities. "Make-Ready work" includes, but is not limited to, clearing obstructions (e.g., by "rodding" ducts to ensure clear passage), the rearrangement, transfer, replacement, and removal of existing facilities on a pole or in a conduit system where such work is required solely to accommodate MCIIm's facilities and not to meet SBC Michigan's business needs or convenience. "Make-Ready work" may require "dig-ups" of existing facilities and may include the repair, enlargement or modification of SBC Michigan's facilities (including, but not limited to, conduits, ducts, handholes and manholes) or the performance of other work required to make a pole, anchor, conduit or duct usable for the initial placement of MCIIm's facilities.
- 2.17 Manhole/Handhole. The term "manhole" refers to an enclosure, usually below ground level and entered through a covered hole on the surface, which personnel may enter and use for the purpose of installing, operating, and maintaining facilities in a conduit. The term "handhole" refers to a similar enclosure which is too small for personnel to enter.

- 2.18 Modification. Shall mean any action that either adds future capacity to, or increases the existing capacity of, a given facility. By way of example, adding a bracket to a pole that is immediately utilized or adding innerduct to an existing duct does not qualify as a “modification,” while adding taller poles, adding new ducts between existing manholes and rebuilding manholes to accommodate additional cables would qualify as a “modification.”
- 2.19 Occupancy. The term “occupancy” shall refer to the physical presence of telecommunication facilities in a duct, on a pole, or within a right-of-way.
- 2.20 Permit. Shall mean written permission granted by SBC Michigan to MCI to construct and operate its attachment at the locations of SBC Michigan Structure(s).
- 2.21 Intentionally Omitted.
- 2.22 Intentionally Omitted.
- 2.23 Pole. The term "pole" refers to both utility poles and anchors but only to those utility poles and anchors owned or controlled by SBC Michigan), and does not include utility poles or anchors with respect to which (SBC Michigan has no legal authority to permit attachments by other persons or entities and does not include cables and other telecommunication equipment attached to pole structures.
- 2.24 Pre-permit (Field) Survey. The term "pre-permit survey" refers to all work and activities performed or to be performed to determine whether there is adequate capacity on a pole or in a conduit or conduit system (including manholes and handholes) to accommodate MCI's facilities and to determine what make-ready work, if any, is required to prepare the pole, conduit or conduit system to accommodate MCI's facilities.
- 2.25 Rights-of-way includes easements, licenses or any other right, whether based upon grant, reservation, contract, law or otherwise, to use property suitable for distribution facilities but does not include property owned or leased by SBC Michigan which is not used or suitable for distribution facilities such as business offices or corporate offices.

3 STRUCTURE AVAILABILITY

- 3.1 SBC Michigan shall make available, pursuant to the Act and FCC rules and regulations, access to poles, ducts, conduits and Rights-of-way along SBC Michigan's distribution network that are owned or controlled by SBC Michigan (individually and collectively, “Structure”) for the placement of MCI's wires, cables and related facilities (individually and collectively, “attachments”).
- 3.2 Nothing contained in this Appendix shall be construed as abridging any independent pole attachment rights or conduit or duct access rights which MCI may have under the provisions of any applicable federal or state laws or regulations governing access to SBC Michigan's poles, conduits and ducts.
- 3.3 SBC Michigan will not make Structure available:
- 3.3.1 Where, after taking all reasonable steps to accommodate such request, there is Insufficient Capacity to accommodate the requested attachment, or;

- 3.3.2 An attachment cannot be accommodated based upon nondiscriminatory applied safety, reliability or engineering principles.
 - 3.3.3 Before denying a request for access based upon Insufficient Capacity, SBC Michigan will, in good faith explore potential accommodations with MCI. If SBC Michigan denies a request by MCI for access to its structure for Insufficient Capacity, safety, reliability or engineering reasons, SBC Michigan will provide MCI a detailed, written reason for such denial as soon as practicable but, in any event, within forty-five (45) days of the date of such request.
 - 3.3.4 In the case of pole attachments, SBC Michigan shall, consistent with prudent engineering and design standards and practices, and subject to all applicable laws, ordinances, rules and regulations, take reasonable steps to make space available for MCI's use without replacement of the pole whenever possible.
- 3.4 Franchises, Permits and Licenses
- 3.4.1 MCI shall be responsible to secure any necessary franchises, permits, licenses and/or consents from federal, state, county or municipal authorities and from the owners of private property, to construct and operate its attachments at the location of the SBC Michigan Structure it uses.
 - 3.4.2 Permits granted by SBC Michigan under this attachment authorize MCI to place facilities in, or attach facilities to, poles, conduits and ducts owned or controlled by SBC Michigan but do not affect the rights of landowners to control terms and conditions of access to their property.
 - 3.4.3 SBC Michigan shall issue to MCI one or more licenses authorizing MCI to place or attach facilities in or to specified poles, conduits, ducts or rights-of-way owned or controlled by SBC Michigan located within this State on a first come, first served basis. If SBC Michigan determines that the pole, conduit or duct space specifically requested by MCI is necessary to meet SBC Michigan's present needs or is licensed by SBC Michigan to another licensee, SBC Michigan shall have the right to designate the particular duct(s) to be occupied, the location and manner in which MCI's facilities will enter and exit SBC Michigan's conduit system and the specific location and manner of installation for any associated equipment which is permitted by SBC Michigan to occupy the conduit system or right-of-way, provided that SBC Michigan shall provide written notice to MCI within forty-five (45) days following MCI's request specifying in detail the reasons for denying MCI's request. If MCI disagrees with SBC Michigan's determination, the matter shall be resolved in accordance with the Alternative Dispute Resolution Process.
 - 3.4.4 Licenses Required
 - 3.4.4.1 Before placing any facilities in SBC Michigan's conduits or ducts or attaching any facilities to SBC Michigan's poles, anchors or anchor/guy strands, MCI must first apply for and receive a written license from SBC Michigan. SBC Michigan shall not unreasonably deny or delay issuance of any license, and in any event, SBC Michigan shall issue such license within fifteen (15)

Business Days from the submission of the license application if make-ready work is not required. If make-ready work is required, SBC Michigan shall issue such license at the same time the make-ready work is completed pursuant to Section 5.1.1.

- 3.5 If MCI request access to an SBC Michigan Right-of-Way where SBC Michigan has no existing Structure, SBC Michigan shall not be required to construct new poles, conduits or ducts, or to bury cable for MCI but will be required to make the Right-of-way available to MCI to construct its own poles, conduits or ducts or to bury its own cable; provided, however, if SBC Michigan desires to extend its own attachments, SBC Michigan will construct Structure to accommodate MCI's attachments.

4 APPLICATION PROCESS

4.1 Provision of Records

- 4.1.1 In order to obtain information regarding facilities, MCI shall make a written request to SBC Michigan, identifying with reasonable specificity the geographic area for which facilities are required. In response to such request, SBC Michigan shall provide MCI with information regarding the types, quantity and location (which may be provided by provision of route maps) of SBC Michigan poles, conduit and right-of-way located within the geographic area specified by MCI within twenty (20) Business Days. Provision of information herein shall include the right of MCI employees or agents to inspect and copy engineering records or drawings which pertain to those facilities within the geographic area identified in MCI's request. Such inspection and copying shall be done at a time and place mutually agreed upon by the Parties.
- 4.1.2 For any information that is readily available, SBC Michigan shall use its best efforts to produce said information within five (5) days of the written requests. MCI may elect to be present at any field based survey of facilities identified pursuant to this paragraph and SBC Michigan shall provide MCI at least forty-eight (48) hours' notice prior to initiating such field survey. MCI employees or agents shall be permitted to enter SBC Michigan manholes and inspect such structures to confirm usability and/or evaluate condition of the structure(s) with at least forty-eight (48) hours' notice to SBC Michigan, with an SBC Michigan representative present and at MCI's expense.
- 4.1.3 SBC Michigan will provide MCI, at MCI's request and expense, with access to maps, records and additional information relating to its Structure; provided that SBC Michigan may redact any Proprietary Information (of SBC Michigan or Third Parties) contained or reflected in any such maps, records or additional information before providing access to such information to MCI. Upon request, SBC Michigan will meet with MCI to clarify matters relating to maps, records or additional information. SBC Michigan does not warrant the accuracy or completeness of information on any maps or records. Maps, records and additional information are provided solely for the use by MCI and such materials may not be resold, licensed or distributed to any other person.

4.2 Application Form and Fees

4.2.1 Any request by MCI_m for access to SBC Michigan's Structure shall be in writing and submitted to SBC Michigan's Structure Access Center, who shall be MCI_m's single point of contact for all matters relating to MCI_m's access to SBC Michigan's Structure. Each MCI_m's attachment to SBC Michigan's Structure shall be pursuant to a permit issued by SBC Michigan for each request for access. The Structure Access Coordinator shall be responsible for processing requests for access to SBC Michigan's Structure, administration of the process of delivery of access to SBC Michigan's Structure and for all other matters relating to access to SBC Michigan's Structure. MCI_m may obtain copies of forms and contact information for the SBC Michigan region via the following website: <http://asac.ameritech.com>. SBC Michigan will notify MCI_m of any changes to this website address.

4.3 Pre-permit (Field) Survey

4.3.1 After MCI_m has submitted its written application for a license, a pre-permit survey (including a field inspection) will be performed by either Party, in the company of a representative of the other Party, as mutually agreed, to determine whether SBC Michigan's poles, anchors and anchor/guy strands, or conduit system, in their present condition, can accommodate MCI_m's facilities, without substantially interfering with the ability of SBC Michigan or any other authorized person or entity to use or access the pole, anchor or anchor/guy strand or any portion of SBC Michigan's conduit system or facilities attached to SBC Michigan's pole or placed within or connected to SBC Michigan's conduit system. If MCI_m gives its prior written consent in writing, the determination of duct availability may include the "rodding" of ducts at MCI_m's expense.

4.3.2 Based on information provided by SBC Michigan, MCI_m shall determine whether SBC Michigan's pole, anchor, anchor/guy strand, conduit and duct facilities are suitable to meet MCI_m's needs.

4.3.3 SBC Michigan may not unreasonably refuse to continue to process an application based on SBC Michigan's determination that MCI_m's proposed use of SBC Michigan's facilities will not be in compliance with applicable requirements, specifications, rules, regulations, ordinances, and laws. MCI_m acknowledges that SBC Michigan is not explicitly or implicitly warranting to MCI_m that MCI_m's proposed use of SBC Michigan's facilities will be in compliance with applicable requirements, specifications, rules, regulations, ordinances, and laws.

4.4 Notice of Environmental, Health, and Safety Inspections

4.4.1 SBC Michigan shall provide MCI_m with reasonable notice of environmental, health and safety inspections that is equivalent to the information that SBC Michigan provides to its employees who access rights-of-way, conduits, and pole attachments.

4.5 Issuance of Licenses When No Make-Ready Work is Required

4.5.1 If SBC Michigan determines that no make-ready work is required, SBC Michigan shall approve applications for pole attachment and conduit

occupancy licenses and issue such licenses within fifteen (15) Business Days of receipt of MCI's application.

5 MAKE-READY WORK

- 5.1 Upon request, SBC Michigan shall permit MCI to conduct Make Ready Work itself or through an SBC Michigan Approved Vendor(s), if allowed by applicable union contracts.
- 5.1.1 If SBC Michigan determines that make ready work is required, the Parties shall negotiate a mutually acceptable completion date, based on securing construction permits, material availability and scope and complexity of the job, within ten (10) business days of completion of the field survey. If MCI is not satisfied with SBC Michigan's due date for completion of make ready work, MCI may perform the make ready work itself or elect to have the work completed by an SBC Michigan approved contractor.
- 5.2 Before commencing Make-Ready Work necessary to provide such additional capacity, SBC Michigan will notify all other Parties having attachments on or in the Structure of the proposed Modification to the Structure. If possible, SBC Michigan shall allow other attaching Parties, including SBC Michigan to modify their attachment(s).
- 5.3 The costs of modifying a Structure to accommodate MCI's request, an existing or prospective attaching Party's request, or the needs of SBC Michigan, shall be borne by the Party requesting such modification. With respect to the allocation of modification costs, to the extent the cost of a modification is incurred for the specific benefit of any particular Party, the benefiting Party will be obligated to assume the cost of the modification, or to bear its proportionate share of cost with all other attaching entities participating in the modification. If a user's modification affects the attachments of others who do not initiate or request the modification, such as the movement of other attachments as part of a primary modification, the modification cost will be covered by the initiating or requesting Party. Where multiple Parties join in the modification, each Party's proportionate share of the total cost shall be based on the ratio of the amount of new space occupied by that Party to the total amount of new space occupied by all of the Parties joining in the modification. An attaching Party, including SBC Michigan, with a pre-existing attachment to the Structure shall not be required to bear any of the costs of rearranging or replacing its attachment if such rearrangement or replacement is necessitated solely as a result of an additional attachment or the modification of an existing attachment sought by another attaching Party, including MCI. To protect the initiators of modifications from absorbing costs that should be shared by others, the modifying Party or Parties will be allowed to recover a proportionate share of the modification costs from Parties that later are able to obtain access as a result of the modification.
- 5.4 All Modifications to SBC Michigan's Structure will be owned by SBC Michigan. MCI and other Parties, including SBC Michigan, who contributed to the cost of a Modification, may recover their proportionate share of the depreciated value of such modifications from Parties subsequently seeking attachment to the modified structure.

6 INSTALLATION AND MAINTENANCE RESPONSIBILITIES

- 6.1 Except where otherwise mutually agreed, MCI shall, at its own expense, install and maintain its attachments in a safe condition and in thorough repair so as not to conflict with the use of the Structure by SBC Michigan or by other attaching Parties. SBC Michigan will specify the location on the Structure where MCI's attachment shall be placed, which location shall be designated in a nondiscriminatory manner. MCI shall construct each attachment in conformance with the permit issued by SBC Michigan for such attachment. Other than routine maintenance and service wire attachments, MCI shall not modify, supplement or rearrange any attachment without first obtaining a permit therefore. MCI shall provide SBC Michigan with notice before entering any Structure for construction or maintenance purposes.
- 6.2 Installation and Maintenance Standards
- 6.2.1 MCI's attachments shall be installed and maintained in accordance with the rules, requirements and specifications of the National Electrical Code, National Electrical Safety Code, the Blue Book Manual of Construction Procedures, Special Report SR-TAP-001421, published by Bell Communications Research, Inc. ("Bellcore"), and sometimes referred to as the "Blue Book", the FCC, the Commission, the Occupational Safety & Health Act and the valid and lawful rules, requirements and specifications of any other governing authority having jurisdiction over the subject matter.
- 6.3 Maintenance of MCI's Facilities
- 6.3.1 Each license granted under this attachment authorizes MCI to engage in maintenance of MCI's facilities located on or in SBC Michigan's poles, conduits, ducts and rights-of-way pursuant to such license. MCI shall give reasonable notice to the affected public authority or private landowner, as appropriate, before commencing the construction or installation of its attachments or making any material alterations thereto. MCI shall give reasonable notice to SBC Michigan before performing any work.
- 6.4 Emergency Repairs and Pole Replacements
- 6.4.1 Intentionally Omitted.
- 6.4.2 MCI shall be responsible for making emergency repairs to its own facilities and for formulating appropriate plans and practices which will enable it to make such emergency repairs.

7 UNUSED SPACE

- 7.1 Except for maintenance ducts and ducts required to be reserved for use by municipalities, all useable but unused space on Structure owned and controlled by SBC Michigan shall be available for the attachments of MCI, SBC Michigan or other providers of Telecommunications Services, cable television systems and other persons that are permitted by Applicable Law to attach. SBC Michigan shall not reserve space on SBC Michigan Structure for the future need of SBC Michigan nor permit any other person to reserve such space. Notwithstanding the foregoing, MCI may provide SBC Michigan with a two (2)-year rolling

forecast of its growth requirements for Structure that will be reviewed jointly on an annual basis.

8 MAINTENANCE DUCTS

- 8.1 If currently available, one duct and one inner-duct in each conduit section shall be kept vacant as maintenance ducts. If not currently available and additional ducts are added, SBC Michigan shall provide maintenance ducts at no cost to MCIIm. Maintenance ducts shall be made available to MCIIm for maintenance purposes if it has a corresponding attachment. MCIIm utilizing a maintenance spare must vacate it within sixty (60) days or provide an equivalent spare.

9 OTHER ARRANGEMENTS

9.1 Cost of Certain Modifications

- 9.1.1 If SBC Michigan is required by a governmental entity, court or Commission to move, replace or change the location, alignment or grade of its conduits or poles, each Party shall bear its own expenses of relocating its own equipment and facilities. MCIIm acknowledges that, from time to time, it may be necessary or desirable for SBC Michigan to change out poles, relocate, reconstruct, or modify portions of its conduit system or rearrange facilities contained therein or connected thereto and that such changes may be necessitated by SBC Michigan's business needs or by an authorized application or license of another entity seeking access to SBC Michigan's poles, conduit systems, ducts and/or Rights-of-Way. If a move of MCIIm's attachment is required by SBC Michigan or another attaching Party, MCIIm shall move its attachment, at the expense of the Party requesting such move, within thirty-six (36) days after notification of the required move. If MCIIm fails to move its attachment with the foregoing period, MCIIm authorizes SBC Michigan to move such attachment at MCIIm's expense.

10 TERM AND TERMINATION OF PERMIT

- 10.1 MCIIm's occupancy of Structure shall be pursuant to a permit issued by SBC Michigan for each requested Attachment. Each permit issued hereunder shall be for an indefinite term. Any such permit shall terminate:
- 10.1.1 Upon thirty (30) days written notice of termination by MCIIm.
- 10.1.2 If MCIIm's franchise, permit, license and/or consent or other authorization from federal, state, county or municipal entities or private property owners is terminated,
- 10.1.3 If MCIIm has not placed and put into service its attachments within 9 months from the date SBC Michigan has notified MCIIm that such Structure is available for MCIIm's attachments, unless this period is extended by agreement of the Parties, which agreement shall not be unreasonable withheld.

- 10.1.4 If MCIIm ceases to use such attachments for any period of 9 months, unless this period is extended by agreement of the Parties, which agreement shall not be unreasonable withheld.
- 10.2 If SBC Michigan ceases to have the right or authority to maintain its Structure, or any part thereof, to which MCIIm has attachments, SBC Michigan shall:
- 10.2.1 Provide MCIIm notice within ten (10) Business Days after SBC Michigan has knowledge of such fact and shall not require MCIIm to remove its attachments from such Structure prior to SBC Michigan's removal of its own attachments.
- 10.3 SBC Michigan will provide MCIIm with at least sixty (60) days written notice prior to:
- 10.3.1 Terminating a permit for an attachment or terminating service to MCIIm's attachment,
- 10.3.2 Any increase in the rates for attachments to SBC Michigan's Structure permitted by the terms of this Appendix, or
- 10.3.3 Any Modification to SBC Michigan's Structure to which MCIIm has an attachment, other than a modification associated with routine maintenance or as a result of an emergency.
- 10.4 If MCIIm surrenders its permit for any reason (including forfeiture under the terms of this Appendix), but fails to remove its attachments from the Structure within 9 months after the event requiring MCIIm to so surrender such permit, SBC Michigan shall remove MCIIm's attachments at MCIIm's expense and without any liability on the part of the SBC Michigan for damage or injury to MCIIm's attachments unless caused by the negligence or intentional misconduct of SBC Michigan.
- 10.5 If SBC Michigan discovers that MCIIm has placed an attachment on SBC Michigan's Structure without a valid permit, SBC Michigan shall notify MCIIm of the existence of such unauthorized attachment and MCIIm shall pay to SBC Michigan within ten (10) Business Days after receipt of such notice an unauthorized attachment fee equal to five (5) times the annual attachment fee for an authorized attachment.
- 10.6 Within the foregoing period, MCIIm shall also apply for an Occupancy Permit for the unauthorized Attachment.
- 10.7 In addition, MCIIm shall go through the process of any Make Ready Work that may be required for the unauthorized attachment.
- 10.8 If MCIIm fails to pay the unauthorized attachment fee or apply for the required Occupancy Permit within the foregoing period, SBC Michigan shall have the right to remove such unauthorized attachment from SBC Michigan's Structure at MCIIm's expense.

11 NONCOMPLIANCE

- 11.1 Notice of Noncompliance

- 11.1.1 If, at any time, SBC Michigan determines that MCI's facilities or any part thereof have not been placed or maintained or are not being used in accordance with the requirements of this Appendix, SBC Michigan may send written notice to MCI specifying the alleged noncompliance. MCI agrees to acknowledge receipt of the notice as soon as practicable. If MCI does not dispute SBC Michigan's assertion that such facilities are not in compliance, MCI agrees to provide SBC Michigan with a schedule for bringing such facilities into compliance, to bring the facilities into compliance within a reasonable time, and to notify SBC Michigan in writing when the facilities have been brought into compliance.
- 11.2 Disputes over Alleged Noncompliance
 - 11.2.1 If MCI disputes SBC Michigan's assertion that MCI's facilities are not in compliance, MCI shall notify SBC Michigan in writing of the basis for MCI's assertion that its facilities are in compliance.
- 11.3 Failure to Bring Facilities into Compliance
 - 11.3.1 If MCI has not brought the facilities into compliance within a reasonable time or provided SBC Michigan with proof sufficient to persuade SBC Michigan that SBC Michigan erred in asserting that the facilities were not in compliance, and if SBC Michigan determines in good faith that the alleged noncompliance causes or is likely to cause a material safety hazard or material damage to SBC Michigan's facilities or those of others users, SBC Michigan may, at its option and MCI's expense, take such steps as may be required to bring MCI's facilities into compliance, including but not limited to correcting any conditions which do not meet the specifications of this Appendix. If the steps taken are to be service affecting, SBC Michigan must give MCI thirty (30) business days advance notice. If the steps taken are to be non-service affecting, SBC Michigan must give MCI fifteen (15) business days advance notice.
- 11.4 Correction of Conditions by SBC Michigan
 - 11.4.1 SBC Michigan will, whenever practicable, notify MCI in writing before performing such work. The written notice shall describe the nature of the work to be performed and SBC Michigan's schedule for performing the work.
 - 11.4.2 If MCI's facilities have become detached or partially detached from supporting racks or wall supports located within an SBC Michigan manhole, SBC Michigan may, at MCI's expense, reattach them but shall not be obligated to do so. If SBC Michigan does not reattach MCI's facilities, SBC Michigan shall cooperate with MCI for the reattachment of any facilities affected.
 - 11.4.3 SBC Michigan shall, as soon as practicable after performing the work, advise MCI in writing of the work performed or action taken. Upon receiving such notice, MCI may inspect the facilities, after notice to SBC Michigan, and take such steps as MCI may deem necessary to insure that the facilities meet MCI's performance requirements.
- 11.5 MCI to Bear Expenses

11.5.1 MCI shall bear all expenses arising out of or in connection with any work performed to bring MCI's facilities into compliance with requirements of this Appendix; provided, however that nothing contained in this Appendix or any license issued hereunder shall be construed as requiring MCI to bear any expenses which, under applicable federal or state laws, rules or regulations, must be borne by persons or entities other than MCI.

12 INSPECTIONS

12.1 SBC Michigan may make periodic inspections of any part of the attachments of MCI located on SBC Michigan Structure for the limited purpose of determining whether MCI's facilities are in compliance with the terms of this Appendix and licenses granted hereunder; provided that such inspections must be non-invasive (e.g. no splice cases may be opened). Where reasonably practicable, SBC Michigan shall provide prior written notice to MCI of such inspections and MCI shall have the right to have a representative attend such inspections, except in those instances where safety considerations justify the need for such inspection without the delay of waiting until written notice has been forwarded to MCI.

12.2 Intentionally Omitted.

13 DAMAGE TO ATTACHMENTS

13.1 Both MCI and SBC Michigan will exercise precautions to avoid damaging the attachments of the other or to any SBC Michigan Structure to which MCI obtains access hereunder. The Party damaging the attachments of the other Party through negligence or willful misconduct shall be responsible to such other Party therefore.

14 CHARGES

14.1 SBC Michigan's charges for Structure provided hereunder shall be determined in compliance with the regulations to be established by the FCC pursuant to Section 224 of the Communication Act and in compliance with Section 361 of the Michigan Telecommunications Act (M.C.L Section 484.2361) and applicable commission rules, regulations and orders thereunder. The charges applicable to Structure hereunder shall be as set forth in the Appendix Pricing. SBC Michigan reserves the right to adjust the charges for Structure provided hereunder consistent with the foregoing. Notwithstanding the foregoing, SBC Michigan reserves the right to price on a case-by-case basis any extraordinary attachment to Structure. An extraordinary attachment is an attachment to a pole that occupies more than one foot of space on the pole in addition to the primary cable or anything other than a standard field splice enclosure in a manhole.

14.2 Advance payment of 50% (fifty percent) of the total amount shall be required from MCI for map preparation, field surveys and Make-Ready Work. The balance shall be due upon completion.

15 NONDISCRIMINATION

15.1 Access to SBC Michigan owned or controlled Structure under this Appendix shall be provided to MCI on a basis that is nondiscriminatory to that which SBC

Michigan provides its Structure to itself, its affiliates, customers, or any other person.

16 JOINING OF ATTACHMENTS

16.1 Upon request by MCI, SBC Michigan will permit the joining of ducts or conduits owned by MCI in SBC Michigan manholes.

17 COST IMPUTATION

17.1 SBC Michigan will impute costs consistent with the rules under Section 224 (g) of the Act.

18 ABANDONMENT, SALES, OR DISPOSITIONS

18.1 SBC Michigan shall notify MCI of the proposed abandonment, sale or other intended disposition of any Structure. In the event of a sale or other disposition of the conduit system or pole, SBC Michigan shall condition the sale or other disposition to include and incorporate the rights granted to MCI hereunder.

SS7

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1 INTRODUCTION

- 1.1 This Appendix sets forth the terms and conditions for non-discriminatory access to the Common Channel Signaling/Signaling System 7 (CCS/SS7) signaling network provided by SBC Michigan to MCI. CCS/SS7 is comprised of certain network elements, including but not limited to, Dedicated Signaling Links, Signaling Link Transport and Signaling Transfer Points (STP). In addition to such network elements, this Appendix provides for CCS/SS7 functionality and translations to support SS7 based services and applications.

2 SERVICE DESCRIPTION

- 2.1 Intentionally Omitted.
- 2.2 SBC Michigan shall provide nondiscriminatory access to SS7 to MCI.
- 2.2.1 When MCI purchases unbundled switching capability from SBC Michigan, SBC Michigan shall provide access from that switch in the same manner in which it obtains such access itself.
- 2.2.2 SBC Michigan shall provide access to its signaling network for each of MCI's switches. This connection shall be made in the same manner as SBC Michigan connects one of its own switches to a STP.
- 2.2.2.1 Up on request, SBC Michigan shall provide an unbundled signaling link from its STP to MCI's switch.
- 2.2.2.2 MCI may bring its own signaling link from its switch to SBC Michigan's STP.
- 2.3 SS7 Transport
- 2.3.1 In SBC Michigan, MCI (because it is an affiliate of an IXC already connected with SBC Michigan's SS7 gateway network) need interconnect only with the state gateway STPs. SS7 Transport provides for the routing and screening of SS7 messages from an SBC Michigan pair of designated Gateway STPs (i.e., a mated pair) to another SBC Michigan pair of STPs within the same state only. The screening of messages provides for MCI designation of signaling points associated with MCI and controls which messages may be allowed by the SBC Michigan STP pairs. The routing of messages provides for the transfer of a complete message between signaling links, and for a Global Title Translation (GTT) of the message address, if needed.
- 2.3.2 SS7 Transport provides routing of messages for all parts of the SS7 protocol. These messages may support other applications and services such as, for example, CLASS services, Message Waiting services, Toll Free Database services, Line Information Data Base (LIDB) Services, Calling Name (CNAM) Database services, Advanced Intelligent Network (AIN) services and Local Number Portability services. SS7 Transport will route messages to the global title address or to the signaling point code address of the message based on the translation information of SBC Michigan's STP.
- 2.4 Dedicated Signaling Links

- 2.4.1 Dedicated Signaling Links provide interconnection to SBC Michigan's signaling network. Each signaling link is a set of dedicated 56Kbps (or higher speed) transmission paths between MCIIm STPs or switches and the SBC Michigan STP mated pair. In SBC Michigan the SPOIs are always collocated in the SBC Michigan STP serving offices. This means of collocation is required in SBC Michigan for access to the SBC Michigan STP. The links are fully dedicated to the use of MCIIm and provide the screening and routing usage for all parts of the SS7 protocol for the SBC Michigan STP to which the link is connected.
- 2.5 Dedicated Signaling Links include the following elements:
- 2.5.1 SS7 Link Cross Connect
- 2.5.1.1 The SS7 Link Cross Connect provides a DS-0 or DS1 connection in the SBC Michigan STP building and connects the STP Port Termination to MCIIm's SPOI.
- 2.5.2 STP Port Termination
- 2.5.2.1 The STP Port Termination is the physical termination of the signaling link (i.e. 56 kbps circuit) at an SBC Michigan STP. A STP Port Termination is used for each 56 kbps SS7 Link Cross Connect terminated at an SBC Michigan STP.
- 2.5.3 STP Access Link
- 2.5.3.1 The STP Access Link provides a 56-kilobit per second digital facility when MCIIm requires an interoffice facility to connect from MCIIm's SPOI to the STP building location.
- 2.6 MCIIm shall provide the portion of the signaling link from MCIIm premises within the LATA to the SBC Michigan STP location or MCIIm's SPOI. MCIIm shall identify the DS1 or channel of a DS1 that will be used for the signaling link.
- 2.7 MCIIm shall identify to SBC Michigan the facility and channel to which the SS7 Link Cross Connect shall connect. If the facility does not terminate in the STP location SBC Michigan shall provide a transport facility referred to as the STP Access Link. The STP Access Link will connect to the DS-0 cross connect at the STP location.
- 2.8 When MCIIm uses an alternative DS1 facility or arranges, or agrees to allow, a physical degree of diversity or performance that is not in accordance with the specifications of Telcordia technical publication, GR-905-CORE, MCIIm acknowledges that the performance and reliability of the SS7 protocol may be affected and the performance and reliability standards described in GR-905-CORE may be disqualified.
- 2.9 Dedicated Signaling Links are subject to SBC Michigan compatibility testing and certification requirements pursuant to the Network Operations Forum Reference Document, GR-905-CORE. Each individual set of links from MCIIm's switch to SBC Michigan STP will require a pre ordering meeting to exchange information and schedule testing for certification by SBC Michigan.
- 2.10 Dedicated Signaling Links Technical Requirements
- 2.10.1 Unbundled Dedicated Signaling Links will perform in the following two ways:

- 2.10.1.1 as an “A-link”, which is a connection between a switch and a home signaling transfer point (STP) mated pair; and
 - 2.10.1.2 as a “B-link” or “D-link,” which is an interconnection between STPs in different signaling networks.
 - 2.10.2 When MCIIm provides its own switch or STP, MCIIm will provide DS1 (1.544 Mbps) interfaces at MCIIm-designated SPOIs. Each 56 Kbps transmission path will appear as a DS0 channel on the DS1 interface.
 - 2.10.3 In each LATA in which MCIIm desires Dedicated Signaling Links for interconnection to the SBC Michigan SS7 Signaling Network, Dedicated Signaling Links shall be established to each STP of a mated pair of STPs.
 - 2.10.4 MCIIm assumes the responsibility to ensure diverse routing of MCIIm signaling links from MCIIm’s switch to MCIIm’s SPOI. SBC Michigan will provide the same amount of diversity as it provides to itself in terms of diverse routing of interoffice facilities.
 - 2.10.5 When MCIIm requests that SBC Michigan add a Signaling Point Code (SPC), MCIIm will identify to SBC Michigan the SPCs associated with MCIIm set of links and will pay a non-recurring charge per STP pair at the rates set forth in Appendix Pricing.
 - 2.10.6 MCIIm will notify SBC Michigan in writing thirty (30) days in advance of any material change in MCIIm’s use of such SS7 signaling network, including but not limited to any change in MCIIm SS7 Dedicated Signaling Links, SS7 Transport and/or STP.
- 2.11 Signaling Transfer Points (STPs)
- 2.11.1 The STP element is a signaling network function that includes all of the capabilities provided by the STP switches which enable the exchange of SS7 messages between switching elements, database elements and signaling transfer point switches via associated signaling links. STP includes the associated link interfaces.
 - 2.11.2 SBC Michigan will route MCIIm traffic as defined by MCIIm.
 - 2.11.3 SS7 Transport will apply to SS7 messages transported on behalf of MCIIm from an SBC Michigan designated STP pair to an SBC Michigan STP pair. In SBC Michigan the Signal Switching and Signal Transport rates will apply to ISUP and TCAP messages.
 - 2.11.4 In such instance as MCIIm utilizes SBC Michigan’s Unbundled Local Switching Network Element, MCIIm does not separately order SS7 signaling under this method. MCIIm will be charged for the use of the SBC Michigan SS7 signaling on a per call basis.
- 2.12 STP Technical Requirements
- 2.12.1 SBC Michigan shall provide nondiscriminatory access to all associated signaling and signaling connectivity at the STP necessary for call routing and completion. STPs will provide signaling connectivity to the following network elements connected to the SBC Michigan SS7 network including but not limited to: SBC Michigan Local Switching or Tandem Switching; SBC Michigan Service Control

Points/Call Related Databases; Third-Party local or tandem switching systems; and Third-Party-provided STPs.

2.12.2 The Parties will indicate to each other the signaling point codes and other screening parameters associated with each Link Set ordered by MCI_m at the SBC Michigan STPs, and where technically feasible, each Party will provision such link set in accordance with these parameters. MCI_m may specify screening parameters so as to allow transient messages to cross the SBC Michigan SS7 Network. The Parties will identify to each other the GTT type information for message routing. MCI_m will pay a non-recurring charge when MCI_m requests SBC Michigan add GTT type information for message routing, in connection with its use of unbundled signaling.

2.13 Interface Requirements

2.13.1 SBC Michigan will provide STP interfaces to terminate A-links, B-links, and D-links.

2.13.2 MCI_m will designate the SPOI for each link. MCI_m will provide rate (speed) transport interface at each SPOI per Industry Standards.

2.13.3 SBC Michigan will provide intraoffice diversity to the same extent it provides itself such diversity.

3 MANNER OF PROVISIONING

3.1 SS7 Transport

3.1.1 SBC Michigan shall provide information to MCI_m on the routes and signaling point codes served by the SBC Michigan STPs. SS7 Transport shall route ISUP messages for the purpose of establishing trunk voice paths between switching machines.

3.1.2 SS7 Transport shall route TCAP queries pursuant to the SS7 Protocol to the SBC Michigan "regional" STP pair that directly serves the database of TCAP message. SS7 Transport shall route TCAP responses from an SBC Michigan "regional" STP pair to another SBC Michigan STP pair.

3.1.3 SS7 Transport provides a signaling route for messages only to signaling points to which SBC Michigan has a route. SS7 Transport does not include the provision of a signaling route to every possible signaling point. When SBC Michigan does establish a route to a signaling point in a mated pair of STPs, the route may not be available to other SBC Michigan pairs of STPs, until ordered. When SBC Michigan or MCI_m, pursuant to a service order, arranges to establish a route to a signaling point, such route to the other signaling point or other signaling network will be used by all signaling points within, and connected to, the SBC Michigan signaling network pursuant to the standard requirements of the SS7 protocol.

3.2 Disputes concerning the association of a signaling point among specific link sets associated with a SBC Michigan mated STP will be resolved by consultation with the signaling point owner, as defined in the Local Exchange Routing Guide (LERG), Section 1, assignment of SPC.

3.3 Dedicated Signaling Links

- 3.3.1 MCIIm shall designate the signaling points and signaling point codes associated with MCIIm. MCIIm shall provide such information to SBC Michigan to allow SBC Michigan to translate SBC Michigan STPs. The information shall define the screening and routing information for the signaling point codes of MCIIm and may include global title address, translation type and subsystem designations as needed.
- 3.3.2 Signaling links from SBC Michigan mated pairs of STPs shall connect to MCIIm's premises (including collocation locations) within the same LATA. A set of links can be either:
 - 3.3.2.1 "A" Link Sets from MCIIm's Signaling Point (SP)/Service Switching Point (SSP). A minimum of two links will be required, one from the SP/SSP to each STP; or,
 - 3.3.2.2 "B" Link Sets from MCIIm's STPs that are connected to SBC Michigan's mated pair of STPs. A minimum of four links will be required (i.e. a "quad") between the two pairs of STPs. (This same arrangement is sometimes referred to as a set of "D" links.)
- 3.3.3 A STP Port Termination and SS7 Link Cross Connect is required for each 56-kbps access link utilized for the Service. STP locations are set forth in the National Exchange Carrier Association, Inc. (NECA) Tariff FCC No. 4.
- 3.3.4 A pre-order meeting will define the SBC Michigan facility availability and the degree of diversity in both the SBC Michigan physical network and MCIIm's physical network from signaling point to signaling point for the link.
- 3.3.5 When MCIIm requires a STP Access Link, MCIIm and SBC Michigan shall jointly negotiate the degree of diversity provided among and between multiple dedicated signaling links. The negotiation shall consider the requirements of the SS7 standard protocol, the degree of diversity available in each network and the possible alternatives.
- 3.3.6 All applicable signaling point codes for each signaling link must be installed at each of SBC Michigan's interconnecting STPs.
- 3.3.7 Call set-up times may be adversely affected when (1) MCIIm, using SS7 signaling, employs Intermediate Access Tandems (IATs) in its network, (2) multiple STP pairs are involved or (3) when the signaling traffic is exchanged between two non-SBC Michigan signaling points.
- 3.3.8 Provisioning of the SS7 Service is in accordance SBC Michigan AM-TR-OAT-000069 and GR-905-CORE, as amended.
- 3.4 Use of the STP
 - 3.4.1 When MCIIm orders SBC Michigan unbundled Local Switching, the use of the STP shall apply. No order or provisioning by MCIIm is needed. The SBC Michigan Local Switch will use the SBC Michigan SS7 signaling network.

4 RESPONSIBILITIES OF SBC MICHIGAN

- 4.1 SBC Michigan shall manage its portion of the network and, apply protective controls in accordance with industry standards. Protective controls include actions taken to control

or minimize the effect of network failures or occurrences, which include, but are not limited to, failure or overload of SBC Michigan or MCIIm facilities, natural disasters, mass calling or national security demands.

- 4.2 SBC Michigan shall determine the GTT route for messages routed to GTT, which are associated with SBC Michigan signaling points.
- 4.3 SBC Michigan shall define regional functions and local functions of its STPs. SBC Michigan will route ISUP messages within the SBC Michigan signaling network, subject to technical feasibility.
- 4.4 SBC Michigan shall route messages generated by the action of MCIIm throughout the SBC Michigan signaling network as specified within this Appendix. The content of the messages is for the use of signaling points of origination and destination. SBC Michigan will not use any information within messages for any purpose not required by or related to the use of the SBC Michigan signaling network. SBC Michigan will not divulge any SS7 message or any part of SS7 messages generated by MCIIm to any other party, except as required to manage the SBC Michigan signaling network pursuant to industry standards or as may be required by law.
- 4.5 SBC Michigan shall transfer Calling Party Number Parameter information unchanged, including the "privacy indicator" information, when ISUP Initial Address Messages are interchanged with the MCIIm signaling network.

5 RESPONSIBILITIES OF MCIIm

- 5.1 MCIIm shall provision the signaling links at MCIIm's premises and from MCIIm's premises to SBC Michigan's STP location in a diverse, reliable and technically feasible manner. MCIIm shall identify to SBC Michigan the SPC(s) associated with the MCIIm set of links.
- 5.2 MCIIm shall identify to SBC Michigan the GTT information for messages that route to MCIIm.
- 5.3 When routing messages addressed to an SBC Michigan Subsystem Number (SSN), MCIIm shall use the SBC Michigan defined SSN designation of the SBC Michigan mated STP pair to which the message is routed.
- 5.4 MCIIm shall transfer Calling Party Number Parameter information unchanged, including the "privacy indicator" information, when ISUP Initial Address Messages are interchanged with the SBC Michigan signaling network.
- 5.5 MCIIm shall furnish to SBC Michigan, at the time the SS7 Service is ordered and annually thereafter, an updated three (3) year non-binding forecast of usage of the SS7 Signaling network. The non-binding forecast shall include total annual volume and busy hour busy month volume. SBC Michigan shall utilize the non-binding forecast solely in its own efforts to project further facility requirements. MCIIm shall not be required to provide SBC Michigan with any forecasts required by this Section 5.5 if MCIIm does not order SS7 Service from SBC Michigan pursuant to this Appendix SS7.
- 5.6 For any forecast provided pursuant to Section 5.5 of this Appendix SS7, MCIIm shall inform SBC Michigan in writing thirty (30) days in advance of any change in MCIIm's use of such SS7 Service which alters by ten percent (10%) for any thirty (30) day period the volume of signaling transactions by individual SS7 service that are planned by MCIIm to be forwarded to SBC Michigan's network. MCIIm shall provide in said notice the reason, by individual SS7 service, for the volume change.

6 DESCRIPTION OF RATE ELEMENTS

- 6.1 There are three types of charges that apply for SS7 Access. They are recurring, usage and nonrecurring charges. Recurring and nonrecurring charges apply for each port that is established on a STP. Usage charges apply for each Initial Address Message (IAM) or TCAP (excluding LIDB Access Service, 800 Access Service TCAP messages and LNP Database Access Query TCAP messages) message that is switched by the local STP and transported to an end office or for each IAM and TCAP message that is switched by the local STP in a hubbing arrangement.
- 6.2 Nonrecurring charges apply for the establishment of Originating Point Codes (OPC) and Global Title Address (GTA) Translations. An OPC charge applies for each OPC established, as well as each OPC added or changed subsequent to the establishment of STP Access. The OPC charge applies on a per service basis. A GTA Translation charge applies for each service or application (excluding LIDB Access Service and 800 Carrier-ID-Only Service) that utilizes TCAP messages. A GTA Translation charge also applies for each service (excluding LIDB Access Service and 800 Carrier-ID-Only Service) added or changed subsequent to the initial establishment of STP Access.
- 6.3 Signal Formulation
- 6.3.1 An IAM Formulation usage charge will be assessed for each IAM message formulated by one Party for termination to the other.
- 6.4 Signal Transport
- 6.4.1 An IAM Signal Transport usage charge will also be assessed for each IAM message that is transported from the local STP to the end office for terminating traffic. A TCAP Signal Transport usage charge will be assessed for each TCAP message that is transported from the local STP to the end office (excluding LIDB and 800 Access Service).
- 6.5 Signal Switching
- 6.5.1 An IAM Signal Switching usage charge will be assessed for each IAM message that is switched by the local STP for each IAM messages that is switched for direct routed terminating traffic. A TCAP Signal Switching usage charge will be assessed for each TCAP message that is switched by the local STP termination of non-call associated signaling messages (excluding LIDB and 800 Access Service).
- 6.6 Signal Tandem Switching
- 6.6.1 An IAM Signal Tandem Switching usage charge will be assessed for an IAM message that is switched by an STP and transported to an end office for tandem routed terminating traffic. When Signal Tandem Switching usage charges are assessed, Signal Switching and Signal Transport charges do not apply, except for SS7 Transport.

UNE

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1 INTRODUCTION

- 1.1 This Appendix Unbundled Network Elements (UNE) sets forth the terms and conditions pursuant to which SBC Michigan agrees to furnish MCIIm with access to unbundled Network Elements. At MCIIm's request, SBC Michigan shall provide nondiscriminatory access to unbundled Network Elements at any technically feasible point on rates, terms and conditions that are just, reasonable and nondiscriminatory in accordance with the terms of this Appendix. SBC Michigan shall provide such unbundled Network Elements in a manner that allows MCIIm to combine such elements in order to provide a Telecommunications Service.
- 1.2 The following are the unbundled Network Elements which MCIIm and SBC Michigan have identified as of the Effective Date of this Agreement. The Parties agree that the unbundled Network Elements identified below are not exclusive and that pursuant to the BFR process MCIIm may identify and request that SBC Michigan furnish additional or revised unbundled Network Elements. Failure to list an unbundled Network Element herein shall not constitute a waiver by MCIIm to obtain an unbundled Network Element subsequent defined by the FCC or the Commission.

Loop
 High Frequency Portion of the Loop "HFPL"
 Subloop Elements
 Network Interface Device
 Local Circuit Switching
 Packet Switching
 Shared Transport
 Interoffice Transport
 Signaling Link Transport
 Signaling Transfer Points
 Service Control Points / Databases
 Local Tandem Switching
 Dark Fiber
 Call Related Databases
 OS/DA
 * Directory Assistance Listing Databases

- 1.3 MCIIm may request new, undefined unbundled Network Elements in accordance with the Bona Fide Request Process.
- 1.4 The prices at which SBC Michigan agrees to provide MCIIm with unbundled Network Elements are contained in the applicable Appendix Pricing.

2 GENERAL TERMS AND CONDITIONS

- 2.1 SBC Michigan and MCIIm agree that MCIIm may connect its facilities or facilities provided to MCIIm by third-parties with SBC Michigan's network at any point designated by MCIIm, provided such point is technically feasible, for access to unbundled Network Elements for the provision by MCIIm of a Telecommunications Service.
- 2.2 SBC Michigan will provide MCIIm nondiscriminatory access to unbundled Network Elements:
- 2.2.1 At any technically feasible point;

- 2.2.2 At the rates, terms, and conditions which are just, reasonable, and nondiscriminatory;
 - 2.2.3 In a manner that allows MCIIm to provide a Telecommunications Service that may be offered by means of that unbundled Network Element;
 - 2.2.4 In a manner that allows access to all features, functions and capabilities of a requested Network Element to be provided separately from access to other elements, and for a separate charge;
 - 2.2.5 With technical information about SBC Michigan's network facilities sufficient to allow MCIIm to achieve access to unbundled Network Elements consistent with the requirements of this Appendix.
 - 2.2.6 Without limitations, restrictions, or requirements on requests that would impair MCIIm's ability to provide a Telecommunications Service in a manner it intends;
 - 2.2.7 In a manner that allows MCIIm purchasing access to unbundled Network Elements to use such unbundled Network Element to provide exchange access service to itself in order to provide inter-exchange services to subscribers.
 - 2.2.8 Where applicable, terms and conditions of access to unbundled Network Elements shall be no less favorable than terms and conditions under which SBC Michigan provides such elements to itself.
- 2.3 MCIIm may use SBC Michigan's unbundled Network Elements to provide services to other Telecommunications Carriers.
 - 2.4 When MCIIm is purchasing an unbundled Network Element, SBC Michigan will permit MCIIm exclusive use of that facility for a period of time, and when MCIIm is purchasing access to a feature, function, or capability of a facility, SBC Michigan will provide use of that feature, function, or capability for a period of time.
 - 2.5 SBC Michigan will maintain, repair, or replace unbundled Network Elements as provided for in this Agreement.
 - 2.6 Where technically feasible, the quality of the unbundled Network Element and access to such unbundled Network Element shall be at least equal to what SBC Michigan provides itself or any subsidiary, affiliate, or other Party.
 - 2.7 Each Party shall be solely responsible for the services it provides to its end user customer and to other Telecommunications Carriers.
 - 2.8 Unbundled Network Elements provided to MCIIm under the provisions of this Appendix shall remain the property of SBC Michigan.
 - 2.9 Intentionally Omitted.
 - 2.10 Provisioning/Maintenance of Unbundled Network Elements
 - 2.10.1 MCIIm may order from SBC Michigan multiple individual unbundled Network Elements on a single order subject to OSS specifications without the need to have MCIIm send an order for each such unbundled Network Element if such unbundled Network Elements are: (i) for a single type of service, (ii) for a single location, and (iii) for the same account.

- 2.10.2 SBC Michigan shall provide all provisioning services to MCI during the same business hours SBC Michigan provisions similar services for its end user customers or other CLECs.
- 2.10.3 SBC Michigan shall provide a Single Point of Contact (SPOC) within the LSC for ordering and provisioning contacts and order flow involved in the purchase and provisioning of SBC Michigan's unbundled Network Elements or combinations. The SPOC shall provide an electronic interface twenty-four (24) hours a day, seven (7) days a week for all ordering and provisioning order flows. The SPOC shall also provide to MCI a toll-free nationwide telephone number (operational from 8:00 a.m. to 5:00 p.m., Monday through Friday) which will be answered by capable staff trained to answer questions and resolve problems in connection with the provisioning of unbundled Network Elements or combinations.
- 2.10.4 SBC Michigan shall provide to MCI a Single Point of Contact (Local Service Center or LSC) for ordering unbundled Network Elements. A national toll-free number will be provided. This LSC is responsible for order acceptance, order issuance, and return of the FOC to MCI as specified in Performance Measurements Appendix. In addition, SBC Michigan shall provide to MCI a Single Point of Contact (Local Operations Center or LOC) for all provisioning, maintenance, repair, and cut-over coordination. A national toll-free number will be provided twenty-four (24) hours a day, seven (7) days a week.
- 2.10.5 SBC Michigan will recognize MCI as the customer of record of all Network Elements on an unbundled basis and Combinations ordered by MCI and will send all notices, invoices and pertinent customer information directly to MCI.
- 2.10.6 SBC Michigan may not initiate any disconnection or rearrangement of any MCI ordered Network Element on an unbundled basis or Combination, except as directed by MCI or as otherwise provided in this Agreement.
- 2.10.7 SBC Michigan will provide MCI with a Firm Order Confirmation (FOC) for each order for all Network Elements on an unbundled basis. The FOC shall contain an enumeration of MCI's ordered unbundled Network Elements, services or combination features, options, physical Interconnection, quantity and a due date for the order. SBC Michigan must return the FOC for unbundled Network Elements and combinations within five (5) hours of SBC Michigan's receipt of any electronically submitted order and within twenty-four (24) hours of SBC Michigan's receipt of any manually submitted (faxed) order.
- 2.10.8 SBC Michigan shall provision unbundled Network Elements in accordance with the time frames set forth in Performance Measurements Appendix.
- 2.10.9 SBC Michigan agrees to negotiate with MCI prior to the due date a scheduled conversion date and time.
- 2.10.10 Not less than one (1) hour prior to the scheduled conversion time, either Party may contact the other Party and unilaterally designate a new scheduled conversion time. If the new conversion time is within the conversion window, no charges shall be assessed on or waived by either Party. If, however, the new conversion time is outside of the conversion window, the Party requesting such new conversion time shall be subject to the following:
- 2.10.10.1 If SBC Michigan requests the new conversion time, the applicable line connection charge shall be waived; and

- 2.10.10.2 If MCI requests the new conversion time, MCI shall be assessed a line connection charge in addition to the line connection charge that will be incurred for the new conversion time.
- 2.10.11 The Parties agree that they will negotiate terms and conditions relative to coordinated cutovers (hot cuts) upon completion of state commission collaboratives in which hot cuts procedures are being addressed.
- 2.10.12 Except as otherwise agreed by the Parties for a specific conversion, the Parties agree that the time interval expected from disconnection of "live" telephone exchange service to the connection of an unbundled Network Element at the MCI collocation interface point will be sixty (60) minutes or less. If a conversion interval exceeds sixty (60) minutes and such delay is caused solely by SBC Michigan and not by a Delaying Event or a third-party carrier, SBC Michigan shall waive the applicable line connection charge for such element. For purposes of this section, Delaying Event means (a) any failure of SBC Michigan to perform any of its obligations set forth in this Agreement, caused in whole or in part by (i) the failure of MCI to perform any of its obligations set forth in this Agreement, or (ii) any delay, act or failure to act by MCI or its end user customer, agent or subcontractor or (b) any Force Majeure Event. SBC Michigan shall waive the applicable line connection charge for such element.
- 2.10.13 Upon work completion, SBC Michigan will provide MCI electronically (unless otherwise notified by MCI) with an order completion per order that states when that order was completed. SBC Michigan shall respond with specific order detail as enumerated on the FOC and shall state any additional charges (e.g., time and materials charges) up to a previously agreed upon limit associated with that order.
- 2.10.14 As soon as identified, SBC Michigan shall provide notification electronically of MCI orders that are incomplete or incorrect and therefore cannot be processed.
- 2.10.15 As soon as identified, SBC Michigan shall provide notification electronically of any instances when SBC Michigan's due dates are in jeopardy of not being met by SBC Michigan on any element or feature contained in any order for unbundled Network Elements. SBC Michigan shall indicate its new due date as soon as such date is available.
- 2.10.16 SBC Michigan shall provide to MCI upon request:
- 2.10.16.1 A list of all services and features technically available from each switch that SBC Michigan may use to provide Local Switching, by switch CLLI.
 - 2.10.16.2 A listing of street address detail for the service coverage area of each switch CLLI.
 - 2.10.16.3 When available, all engineering design and layout information for each unbundled Network Element and Combination; provided that MCI shall pay SBC Michigan for the costs incurred by SBC Michigan to provide MCI with copies of such information.
 - 2.10.16.4 A listing of all technically available functionalities for each unbundled Network Element or Combination. If MCI orders a technical publication, MCI shall pay SBC Michigan for the technical publications.

- 2.10.17 Within twenty-four (24) hours of MCI's request, SBC Michigan will perform cooperative testing with MCI (including trouble shooting to isolate any problems) to test unbundled Network Elements or Combinations purchased by MCI in order to identify any performance problems.
- 2.10.18 For orders of unbundled Network Elements (and LNP with the installation of a Loop) that require coordination among SBC Michigan, MCI and MCI's customer, MCI shall be responsible for any necessary coordination with its customer.
- 2.10.19 Access to unbundled Network Elements is provided under this Agreement over such routes, technologies, and facilities as SBC Michigan may elect at its own discretion, but also at parity and on a nondiscriminatory basis. SBC Michigan will provide access to unbundled Network Elements where technically feasible. Where facilities are not available, SBC Michigan will make modifications and engage in construction to provide unbundled Network Elements on a nondiscriminatory basis as it does for itself, its subsidiaries and affiliates, third parties, and their respective customers and in accordance with SBC Michigan's August 2001, Issue 4.4 Facility Modification & Construction Policy ("FMOD Policy"). SBC Michigan will make modifications and engage in construction to provision currently defined unbundled Network Elements in accordance with the terms set forth in its FMOD Policy. SBC Michigan will make modifications and engage in construction to provision all other unbundled Network Elements in accordance with Appendix BFR.
- 2.10.20 Subject to the terms herein, SBC Michigan is responsible only for the provisioning, installation, operation and maintenance of the unbundled Network Elements it provides. SBC Michigan is not otherwise responsible for the Telecommunications Services, including the design thereof, provided by MCI through the use of those unbundled Network Elements.
- 2.10.21 Where unbundled Network Elements provided to MCI are dedicated to a single end user customer, if such unbundled Network Elements are for any reason disconnected they shall be made available to SBC Michigan for future provisioning needs, on the same basis SBC Michigan holds or reassigns such facilities for its own end user customers, unless such unbundled Network Element is disconnected in error. MCI agrees to relinquish control of any such unbundled Network Element concurrent with the disconnection of MCI's end user customer service.
- 2.10.22 MCI shall make available at mutually agreeable times the unbundled Network Elements provided pursuant to this Appendix in order to permit SBC Michigan to test and make adjustments appropriate for maintaining the unbundled Network Elements in satisfactory operating condition. No credit will be allowed for any interruptions involved during such testing and adjustments. But in no case will SBC Michigan perform scheduled maintenance on any MCI unbundled Network Element prior to providing reasonable notice to MCI in advance of performing such maintenance. SBC Michigan shall provide emergency maintenance as promptly as possible to maintain or restore service and shall advise MCI promptly of any emergency maintenance actions it takes effecting MCI.
- 2.10.23 MCI shall connect equipment and facilities that are compatible with SBC Michigan's unbundled Network Elements and shall use unbundled Network Elements in accordance with all applicable regulatory standards and the

requirements of this Agreement. MCI's use of any SBC Michigan unbundled Network Element, or of its own equipment or facilities in conjunction with any SBC Michigan unbundled Network Element, will not materially interfere with or impair service over any facilities of SBC Michigan, its affiliated companies or its connecting and concurring carriers involved in its services, cause damage to their plant, impair the privacy of any communications carried over their facilities or create hazards to the employees of any of them or the public. Upon reasonable written notice and opportunity to cure, SBC Michigan may discontinue or refuse service if MCI violates this provision, provided that such termination of service will be limited to MCI's use of the unbundled Network Element(s) causing the violation.

2.10.24 When an existing end user customer served by SBC Michigan or another CLEC changes service to MCI using any SBC Michigan provided unbundled Network Element(s), MCI shall issue appropriate service requests to connect new service to MCI's end user customer. MCI's service requests will be processed by SBC Michigan, and MCI will be charged the existing unbundled Network Element service order charge(s) as set forth in the Pricing Appendix.

2.10.24.1 When end user customers already being provided service by SBC Michigan migrate to MCI, services will not be modified unless requested by MCI and any service interruptions will not be discernable to the end user customers.

2.10.24.2 For "As is migrations" see OSS Appendix section 4.5.

2.10.25 Unbundled Network Elements may be connected to or combined with SBC Michigan's access services or other SBC Michigan's tariffed service offerings.

2.11 Performance of UNEs

2.11.1 Each unbundled Network Element will be provided in accordance with industry standards, if applicable.

2.11.2 Nothing in this Appendix will limit either Party's ability to modify its network through the incorporation of new equipment, new software or otherwise. Each Party will provide the other Party written notice of any upgrades in its network that will materially impact the other Party's service in accordance with Applicable Law.

2.11.3 SBC Michigan may elect to conduct Central Office switch conversions for the improvement of its network. During such conversions, MCI orders for unbundled Network Elements from, and SBC Michigan's retail service orders for, that switch shall be suspended for a period of three days prior and one day after the conversion date, consistent with the suspension SBC Michigan places on itself for orders from its end user customers.

3 GENERAL ACCESS TO UNBUNDLED NETWORK ELEMENTS

3.1 SBC Michigan shall offer each unbundled Network Element individually or in combination as set forth in this Appendix Unbundled Network Element. SBC Michigan may not require MCI to own or control any local exchange facilities as a condition of offering to MCI any unbundled Network Element or unbundled Network Element combination. SBC Michigan shall not separate unbundled Network Elements that are already combined on SBC Michigan's network unless requested by MCI.

- 3.2 For each unbundled Network Element, SBC Michigan shall provide (i) a demarcation point (e.g., at a Digital Signal Cross Connect, Light Guide Cross Connect/Light Distribution frame panel or a Main Distribution Frame, or other location) and (ii) if necessary, access to the demarcation point; such demarcation point being mutually agreeable to the Parties. However, where SBC Michigan provides contiguous unbundled Network Elements to MCI, SBC Michigan will provide the existing interconnections and no demarcation point shall exist between such contiguous unbundled Network Elements.
- 3.3 Intentionally Omitted.
- 3.4 Intentionally Omitted.
- 3.5 Intentionally Omitted.
- 3.6 Intentionally Omitted.
- 3.7 Intentionally Omitted.
- 3.8 Intentionally Omitted.
- 3.9 This Section describes the optional connection methods under which SBC Michigan agrees to provide MCI with access on an unbundled basis to loops, switch ports, and dedicated transport and the conditions under which SBC Michigan makes these methods available. These methods provide MCI access to multiple SBC Michigan unbundled Network Elements which MCI may then combine. The methods listed below provide MCI with access to unbundled Network Elements without compromising the security, integrity, and reliability of the public switched network, as well as to minimize potential service disruptions.
- 3.9.1 Subject to availability of space and equipment, MCI may use the methods listed below to access and combine loops, switch ports, and dedicated transport within a requested SBC Michigan Central Office.
- 3.9.1.1 (Method 1)
- SBC Michigan will extend SBC Michigan unbundled Network Elements requiring cross connection to MCI's Physical Collocation Point of Termination (POT) when MCI is Physically Collocated, in a caged or shared cage arrangement, within the same Central Office where the unbundled Network Elements which are to be combined are located.
- 3.9.1.2 (Method 2)
- SBC Michigan will extend SBC Michigan unbundled Network Elements that require cross connection to MCI's unbundled Network Element frame located in the common room space, other than the Collocation common area, within the same Central Office where the unbundled Network Elements which are to be combined are located.
- 3.9.1.3 (Method 3)
- SBC Michigan will extend SBC Michigan unbundled Network Elements to MCI's unbundled Network Element frame that is located outside the SBC Michigan Central Office where the unbundled Network Elements are to be combined in a closure such as a cabinet provided by SBC Michigan on SBC Michigan property.

- 3.10 The following terms and conditions apply to all methods when SBC Michigan provides access to Combinations:
- 3.10.1 Within ten (10) business days of receipt of a written request for access to unbundled Network Elements involving three (3) or fewer Central Offices, SBC Michigan will provide a written reply notifying the requesting CLEC of the method(s) of access available in the requested Central Offices. For requests impacting four (4) or more Central Offices the Parties will agree to an implementation schedule for access to unbundled Network Elements.
 - 3.10.2 Access to unbundled Network Elements via Method 1 is only available to Physically Collocated CLECs. Access to unbundled Network Elements via Method 2 and Method 3 is available to both Collocated and Non-Collocated CLECs. Method 2 and Method 3 are subject to availability of SBC Michigan Central Office space and equipment.
 - 3.10.3 The CLEC may cancel the request at any time, but will pay SBC Michigan's reasonable and demonstrable costs for modifying SBC Michigan's Central Office up to the date of cancellation.
 - 3.10.4 MCIIm may elect to access SBC Michigan's unbundled Network Elements through Physical Collocation arrangements..
 - 3.10.5 MCIIm shall be responsible for initial testing and trouble sectionalization of facilities containing MCIIm installed cross connects.
 - 3.10.6 MCIIm shall refer trouble it has sectionalized in the SBC Michigan unbundled Network Element to SBC Michigan.
 - 3.10.7 MCIIm shall provide all tools and materials required to place and remove the cross connects necessary to combine and disconnect unbundled Network Elements.
 - 3.10.8 All tools, procedures, and equipment used by MCIIm to connect to SBC Michigan's network shall comply with technical standards set out in SBC Local Exchange Carrier Technical Document TP76300MP, to reduce the risk of damage to the network and end user customer disruption.
 - 3.10.9 MCIIm shall designate each unbundled Network Element being ordered from SBC Michigan. MCIIm shall provide an interface to receive assignment information from SBC Michigan regarding location of the unbundled Network Elements. This interface may be manual or mechanized.
 - 3.10.10 SBC Michigan will provide MCIIm with contact numbers as necessary to resolve assignment conflicts encountered. All contact with SBC Michigan shall be referred to such contact numbers.
 - 3.10.11 The use of cellular telephones or two-way pagers is not permitted in SBC Michigan equipment areas.

4 NETWORK INTERFACE DEVICE

- 4.1 The Network Interface Device (NID) unbundled Network Element is defined as any means of interconnection of end user customer premises wiring to SBC Michigan's distribution plant, such as a cross connect device used for that purpose. Fundamentally,

the NID establishes the final (and official) network demarcation point between the loop and the end user customer's inside wire. Maintenance and control of the end user customer's inside wiring (on the end user customer's side of the NID) is under the control of the end user customer. Conflicts between telephone service providers for access to the end user customer's inside wire must be resolved by the end user customer. Pursuant to applicable FCC rules, SBC Michigan offers nondiscriminatory access to the NID on an unbundled basis to any requesting Telecommunications Carrier for the provision of a Telecommunications Service. MCI's access to the NID is offered as specified below.

4.2 SBC Michigan shall permit MCI to connect MCI's loop facilities to on-premises wiring of an end user customer through SBC Michigan's NID, or at any other technically feasible point, in the manner set forth in this section or in any other technically feasible manner.

4.3 Access to Network Interface Device

4.3.1 Due to the wide variety of NIDs utilized by SBC Michigan (based on end user customer size and environmental considerations), MCI may access the end user customer's inside wire by any of the following means:

4.3.1.1 Where an adequate length of inside wire is present and environmental conditions permit, and with the subscriber authorization required by this Agreement and Applicable Law, either Party may remove the inside wire from the other Party's NID and connect that wire to that Party's own NID; or

4.3.1.2 Enter the subscriber access chamber or "side" of "dual chamber" NID enclosures for the purpose of extending a connected or spliced jumper wire from the inside wire through a suitable "punch-out" hole of such NID enclosures; or

4.3.1.3 Request SBC Michigan to make other rearrangements to the inside wire terminations or terminal enclosure on a time and materials cost basis to be charged to the requesting Party (*i.e.*, MCI, its agent, the building owner or the subscriber). Such charges will be billed to the requesting Party.

4.3.1.4 Due to the wide variety of NID enclosures and outside plant environments, SBC Michigan will work with MCI to develop specific procedures to establish the most effective means of implementing this Section.

4.4 Technical Requirements

4.4.1 The NID shall provide an accessible point of connection for the subscriber-owned inside wiring, for SBC Michigan's facilities, for the distribution media and/or cross connect to MCI's NID, and shall maintain a connection to ground.

4.4.2 The NID shall be capable of transferring electrical analog or digital signals between the subscriber's inside wiring and the distribution media and/or cross connect to MCI's NID, consistent with the NID's function at the Effective Date of this Agreement.

4.4.3 Where an SBC Michigan NID exists, it is provided in its "as is" condition. MCI may request SBC Michigan do additional work to the NID in accordance with other provisions herein.

- 4.4.4 The SBC Michigan NIDs that MCI uses under this Appendix will be existing NIDs installed by SBC Michigan to serve its end user customers.
- 4.4.5 Upon request, SBC Michigan will dispatch a technician to tag an existing end user customer's inside wire facilities on the end user customer's side of the NID. In such cases, a NID "Premises Visit" charge (Time and Material) shall apply at charges reflected in Appendix Pricing, except the Premises Visit charge shall not apply if the NID location information provided to MCI prior to the dispatch request was inaccurate. SBC Michigan shall apply Time and Material charges for Premises Visits at parity with what SBC Michigan charges its retail end users customers.
- 4.4.6 MCI shall not attach to or disconnect SBC Michigan's ground. MCI shall not cut or disconnect SBC Michigan's loop from the NID and/or its protector. MCI shall not cut any other leads in the NID.

5 LOCAL LOOP

- 5.1 Pursuant to applicable FCC rules, a local loop unbundled Network Element is a dedicated transmission facility between a distribution frame (or its equivalent) in an SBC Michigan Central Office and the loop demarcation point at an end user customer's premises, including inside wire owned by SBC Michigan. Inside wire is defined as all loop plant owned by SBC Michigan on end user customer premises as far as the point of demarcation, including the loop plant near the end user customer premises. MCI may access the inside wire subloop at any technically feasible point, including but not limited to, NID, MPOE, the single point of interconnection, the pedestal or the pole. The local loop Network Element includes all features, functions and capabilities of the transmission facility, including, but not limited to, dark fiber, attached electronics (except those electronics used for the provision of advanced services, such as Digital Subscriber Line Access Multiplexers), and line conditioning. The local loop Network Element includes, but is not limited to DS1, DS3, fiber, and other high capacity Loops to the extent required by Applicable Law or this Agreement.
- 5.2 SBC Michigan will provide the following loop types at the rates, terms, and conditions set out in this Appendix and in the Appendix Pricing:
 - 5.2.1 2-Wire Analog Loop
 - 5.2.1.1 A 2-Wire analog loop is a transmission path which supports analog voice frequency, voice band services with loop start signaling within the frequency spectrum of approximately 300 Hz and 3000 Hz.
 - 5.2.2 4-Wire Analog Loop
 - 5.2.2.1 A 4-Wire analog Loop is a transmission path that provides a non-signaling voice band frequency spectrum of approximately 300 Hz to 3000 Hz. The 4-Wire analog Loop provides separate transmit and receive paths.
 - 5.2.3 2-Wire Digital Loop
 - 5.2.3.1 A 2-Wire 160 Kbps digital Loop is a transmission path which supports Basic Rate ISDN (BRI) digital exchange services. The 2-Wire digital Loop 160 Kbps supports usable bandwidth up to 160 Kbps.

- 5.2.4 4-Wire Digital Loop
 - 5.2.4.1 A 4-Wire 1.544 Mbps digital Loop is a transmission path that will support DS1 service including Primary Rate ISDN (PRI). The 4-wire digital Loop 1.544 Mbps supports usable bandwidth up to 1.544 Mbps.
- 5.2.5 Optical Loop
 - 5.2.5.1 A Fiber Optic Loop is a transmission path that will support any OC-n service. SBC Michigan will provide OCN Loops wherever available and deployed.
- 5.2.6 DS3 Digital Loop
 - 5.2.6.1 The DS3 loop provides a digital, 45 Mbps transmission facility from SBC Michigan's Central Office to the end user customer premises.
- 5.2.7 xDSL-Capable Loop
 - 5.2.7.1 See xDSL Appendix
- 5.3 SBC Michigan will provide MCIIm with access to unbundled Loops regardless of whether SBC Michigan uses Integrated Digital Loop Carrier (IDLC) technology, or similar remote concentration devices, for the particular loop sought by MCIIm. Where available, SBC Michigan will move the requested unbundled loop(s) to spare copper, or to Universal Digital Loop Carrier (UDLC) unbundled loop(s) at no additional charge. If, however, no such facilities are available, SBC Michigan will notify MCIIm of the lack of available facilities within two (2) business days.
 - 5.3.1 If MCIIm requests one or more unbundled Loops serviced by Integrated Digital Loop Carrier (IDLC), SBC Michigan will, where available, provide access to MCIIm, by any technically feasible method, on the requested Loop(s) to a spare, existing Physical loop, or a Universal Digital Loop Carrier (UDLC) Loop at no additional charge to MCIIm. If, however, no spare unbundled Loop is available, SBC Michigan will within two (2) Business Days, excluding weekends and holidays, of MCIIm's request, notify MCIIm of the lack of available facilities.
- 5.4 Additional TSLRIC costs per unit for access to IDLC-delivered Loops requested by MCIIm pursuant to Section 5.3.1 not otherwise recovered through existing nonrecurring or recurring rates for unbundled Loops may be recovered from requesting carriers on rates, terms and conditions that are just, reasonable and nondiscriminatory.
- 5.5 Dark Fiber
 - 5.5.1 Dark Fiber is deployed unlit fiber optic cable that connects two points within the incumbent LEC's network. Dark fiber is fiber that has not been activated through connection to the electronics that "light it", and thereby render it capable of carrying communications services. Other than as specifically set out elsewhere in this Agreement.
 - 5.5.1.1 Dark Fiber is fiber that is spliced in all segments from end to end and would provide continuity or "light" end to end. MCIIm may only subscribe to dark fiber that is considered "spare," as defined herein.

- 5.5.2 MCI cannot dictate where SBC Michigan places additional fiber route. SBC Michigan shall consider MCI's input in making decisions on where to place fiber.
- 5.6 Interoffice Dark Fiber
- 5.6.1 SBC Michigan will provide dark fiber in the dedicated interoffice transmission segment of the network as an unbundled Network Element. Interoffice dark fiber is between two different SBC Michigan Central Offices (CO's) and terminates on a fiber distribution frame, or equivalent, in the CO.
- 5.7 Loop Fiber
- 5.7.1 SBC Michigan will provide dark fiber in the loop and subloop segment of the network as an unbundled Network Element. Loop dark fiber is a segment between a serving SBC Michigan Central Office and an end user customer premise.
- 5.7.2 SBC Michigan will provide sub-loop dark fiber as an unbundled Network Element. Sub-loop dark fiber segments include but are not limited to:
- 5.7.2.1 The serving SBC Michigan Central Office and a remote terminal/CEV/Hut; or
- 5.7.2.2 a remote terminal/CEV/Hut and an end user customer premise.
- 5.8 Spare Fiber Inventory Availability and Condition
- 5.8.1 All available spare dark fiber will be provided as is. No conditioning will be offered. Spare dark fiber is fiber that is spliced in all segments, point to point but not assigned, and spare dark fiber does not include maintenance spares, fibers set aside and documented for SBC Michigan's forecasted growth, defective fibers, or fibers subscribed to by other carriers.
- 5.9 Determining Spare Fibers:
- 5.9.1 SBC Michigan will inventory and track spare dark fibers. Spare fibers do not include the following:
- 5.9.1.1 Maintenance spares. Maintenance spares shall be kept in inventory like a working pair. Spare maintenance fibers are assigned as follows:
- 5.9.1.1.1 Cables with 24 fibers and less: 2 maintenance spare fibers
- 5.9.1.1.2 Cables with 36 and 48 fibers: 4 maintenance spare fibers
- 5.9.1.1.3 Cables with 72 and 96 fibers: 8 maintenance spare fibers
- 5.9.1.1.4 Cables with 144 fibers: 12 maintenance spare fibers
- 5.9.1.1.5 Cables with 216 fibers: 18 maintenance spare fibers
- 5.9.1.1.6 Cables with 288 fibers: 24 maintenance spare fibers
- 5.9.1.1.7 Cables with 432 fibers: 36 maintenance spare fibers
- 5.9.1.1.8 Cables with 864 fibers: 72 maintenance spare fibers

- 5.9.1.2 Defective fibers - Defective fibers, if any, will be deducted from the total number of spare fibers that would otherwise be available to MCI_m for use under this Agreement.
- 5.9.1.3 SBC Michigan growth fibers. Fibers documented as reserved by SBC Michigan for utilization for growth within the 12 month-period following the carrier's request.
- 5.9.2 The appropriate SBC Michigan engineering organization will maintain records on each fiber optic cable for which MCI_m request dark fiber.
- 5.10 Quantities and Time Frames for ordering Dark Fiber:
 - 5.10.1 The minimum number of fiber strands that MCI_m can order is two, and fiber strands must be ordered in multiples of two.
 - 5.10.2 If MCI_m wishes to request dark fiber, it must submit a dark fiber facility inquiry, providing MCI_m's specific point-to-point (A to Z) dark fiber requirements. For such inquiries, SBC Michigan shall provide to MCI_m information regarding the location and availability. When MCI_m submits a dark fiber facility inquiry, appropriate rates for the inquiry will be charged as outlined in state specific Appendix Pricing.
 - 5.10.2.1 If dark fiber is available, as determined under this Agreement, SBC Michigan will notify MCI_m and MCI_m may place an Access Service Request (ASR) for the dark fiber.
 - 5.10.3 Dark fiber will be assigned to MCI_m only when an ASR is processed. ASRs will be processed on a first-come-first-served basis. Inquiry facility checks do not serve to reserve dark fiber. When MCI_m submits the ASR, the ASR will be processed and the dark fiber facilities assigned for use by MCI_m within thirty (30) business days and charges will apply as outlined in state specific Appendix Pricing.
 - 5.10.3.1 Prior to completing any order for dark fiber submitted by MCI_m, SBC Michigan shall conduct an Actual Measured Loss (AML) readings on the dark fiber ordered on the plant test date, and shall provide the results of such reading to MCI_m. If, in MCI_m's sole discretion, such AML reading indicates that the dark fiber does not meet MCI_m's usability and performance requirements, MCI_m may, at any time up to the close of business on the due date for the dark fiber order, cancel its order and shall not be responsible for any charges, other than applicable Dark Fiber Inter-office or Loop/Subloop Inquiry charges associated with that order.
- 5.11 Reclamation of Dark Fiber
 - 5.11.1 SBC Michigan may reclaim dark fiber from MCI_m upon at least twelve (12) months written notice only if:
 - 5.11.1.1 SBC Michigan negotiates with MCI_m in good faith to address MCI_m's concerns related to SBC Michigan's proposed reclamation, including issues related to coordination and timing for the purpose of minimizing service disruption;

5.11.1.2 SBC Michigan demonstrates to the Commission that SBC Michigan reasonably needs the dark fiber to meet its carrier-of-last-resort responsibilities within twelve (12) months following the reclamation; and

5.11.1.3 SBC Michigan provides MCIIm with an alternative facility with the same bandwidth MCIIm was using or had committed to use prior to SBC Michigan reclaiming the facility, provided that SBC Michigan shall use commercially reasonable efforts to ensure that the alternative facility does not result in any additional costs or charges to MCIIm or reduce the quality of MCIIm's services.

5.11.2 Intentionally Omitted.

5.12 Access Methods specific to Dark Fiber

5.12.1 The demarcation point for dark fiber at Central Offices, Remote Terminals and end user customer premises will be in an SBC Michigan approved splitter shelf. This arrangement allows for non-intrusive testing.

5.13 Installation and Maintenance for Dark Fiber

5.13.1 SBC Michigan will install demarcations and place the fiber jumpers from the fiber optic terminals to the demarcation point. MCIIm will run its fiber jumpers from the demarcation point (1x2, 90-10 optical splitter) to MCIIm's equipment.

6 SUB-LOOP ELEMENTS

6.1 SBC Michigan will provide nondiscriminatory access to sub-loop elements on an unbundled basis in accordance with Applicable Law as set forth in this Appendix.

6.1.1 A sub-loop unbundled Network Element is defined as any portion of the loop that is technically feasible to access at terminals in SBC Michigan's outside plant including inside wire. An accessible terminal is any point on the loop where technicians can access the wire or fiber within the cable without removing a splice case to reach the wire or fiber within, such joints may include, but are not limited to, the pole or pedestal, the NID, the MPOE, the single point of interconnection, the MDF, the RT and the FDI.

6.2 Definitions pertaining to the Sub-Loop:

6.2.1 "Dead Count" refers to those binding posts which have cable spliced to them but which cable is not currently terminated to any terminal to provide service.

6.2.2 "Demarcation Point" is defined as the point on the loop where the ILEC's control of the wire ceases and the end user customer's control (or on the case of some multiunit premises, the landlord's control) of the wire begins.

6.2.3 "Digital Subloop" may be deployed on on-loaded copper cable pairs, channels of a digital loop carrier system, channels of a fiber optic transport system or other technologies suitable for the purpose of providing 160 Kbps and 1.544 Mbps subloop transport.

6.2.4 "Distribution Cable" is defined as the cable from the SAI/FDI to the terminals from which an end user customer can be connected to the ILEC's network.

- 6.2.5 "Feeder cable" is defined as that cable from the MDF to a point where it is cross-connected in a SAI/FDI for neighborhood distribution.
- 6.2.6 "MDF-to-SAI/FDI" is that portion of the loop from the MDF to the SAI/FDI.
- 6.2.7 "MDF-to-Term" is that portion of the loop from the MDF to an accessible terminal.
- 6.2.8 "Network Terminating Wire (NTW)" is the service wire that connects the ILEC's distribution cable to the NID at the demarcation point.
- 6.2.9 "SAI/FDI-to-Term" is that portion of the loop from the SAI/FDI to an accessible terminal.
- 6.2.10 "SAI/FDI-to-NID" is that portion of the loop from the SAI/FDI to the Network Interface Device (NID), which is located at an end user customer's premise.
- 6.2.11 "SPOI" is defined as a Single Point of Interconnection. A SPOI will usually be located in a Multi-Tenant Environment as a single point of demarcation which will allow ILECs and CLECs to interconnect to wiring, owned or controlled by the property owner or their agent. SBC Michigan shall provide a SPOI at multi-unit premises that is suitable for use by multiple carriers. This obligation is in addition to SBC Michigan's obligation to provide nondiscriminatory access to subloops at any technically feasible point. If the Parties are unable to negotiate terms and conditions regarding a SPOI, issues in dispute, including compensation of SBC Michigan under forward-looking pricing principles, shall be resolved under the dispute resolution processes in this Agreement.
- 6.2.12 "SAI/FDI" is defined as the point in the ILEC's network where feeder cable is cross-connected to the distribution cable. "SAI" is Serving Area Interface. "FDI" is Feeder Distribution Interface. The terms are interchangeable.
- 6.2.13 "Term-to-NID" is that portion of the loop from an accessible terminal to the NID, which is located at an end user customer's premise. Term-to-NID includes use of the Network Terminating Wire (NTW).
- 6.3 SBC Michigan will offer the following types of subloop elements including, but not limited to:
 - 6.3.1 2-Wire Analog Subloop provides a 2-wire loop (one twisted pair cable or equivalent) capable of transporting analog signals in the frequency range of approximately 300 to 3000 hertz (voiceband).
 - 6.3.2 4-Wire Analog Subloop provides a 4-wire loop (two twisted pair cables or equivalent, with separate transmit and receive paths) capable of transporting analog signals in the frequency range of approximately 300 to 3000 hertz (voiceband).
 - 6.3.3 4-Wire DS1 Subloop provides a transmission path capable of supporting a 1.544 Mbps service that utilizes AMI or B8ZS line code modulation.
 - 6.3.4 DS3 Subloop provides DS3 service from the central office MDF to an Interconnection Panel at the RT. The loop facility used to transport the DS3 signal will be a fiber optical facility.
 - 6.3.5 2-Wire / 4-Wire Analog DSL Capable Subloop that supports an analog signal based DSL technology (such as ADSL).

- 6.3.6 2-Wire / 4-Wire Digital DSL Capable Subloop that supports a digital signal based DSL technology (such as HDSL or IDSL).
- 6.3.7 ISDN Subloop is a 2-Wire digital offering which provides a transmission path capable of supporting a 160 Kbps, Basic Rate ISDN (BRI) service that utilizes 2B1Q line code modulation with end user customer capacity up to 144 Kbps.
- 6.3.8 OCN Subloop, where currently deployed in SBC Michigan's network.
- 6.4 Subloop conditioning where applicable, is covered in Appendix DSL.
- 6.5 Access to Subloops:
- 6.5.1 Access to terminals for subloops is defined to include:
- 6.5.1.1 any technically feasible point, including but not limited to, the point near the end user customer's premises accessible by a cross-connect (such as the pole or pedestal, the NID, or the minimum point of entry (MPOE) to the end user customer premises),
- 6.5.1.2 the Feeder Distribution Interface (FDI) or Serving Area Interface (SAI), where the trunk line, or "feeder", leading back to the central office and the "distribution" plant, branching out to the subscribers, meet, and "interface".
- 6.5.1.3 the Main Distribution Frame (MDF),
- 6.5.1.4 the Terminal or Remote Terminal (underground or aerial),
- 6.5.1.5 the Single Point of Interconnection (SPOI)
- 6.6 SBC Michigan shall provide access to the following subloop segments:

FROM	TO
1. Main Distribution Frame	Serving Area Interface or Feeder Distribution Interface
2. Main Distribution Frame	Terminal
3. Serving Area Interface or Feeder Distribution Interface	Terminal
4. Serving Area Interface or Feeder Distribution Interface	Network Interface Device
5. Terminal	Network Interface Device
6. NID	Stand Alone
7. SPOI (Single Point of Interface) ¹	Stand Alone
8. Intentionally Omitted	Intentionally Omitted
9. OCD	Terminal
10. OCD	Serving Area Interface or Feeder Distribution Interface
11. Intentionally Omitted	Intentionally Omitted
12. Terminal	Network Interface Device/Customer Premises

¹ In addition, if MCI requests an Interconnection Point which has not been identified, MCI will need to submit a BFR.

- 6.7 Provisioning:
- 6.7.1 Connecting Facility Arrangement (CFA) assignments must be in-place prior to ordering and assigning specific subloop circuit(s).
 - 6.7.2 Spare subloop(s) will be assigned to CLEC only when an LSR/ASR is processed. LSR/ASRs will be processed on a "first come first serve" basis.
 - 6.7.3 Provisioning intervals for subloops shall be governed by the CLEC state-specific contract interval for the stand-alone, full unbundled Network Element. For example, the provisioning interval for DSL-capable subloop shall be determined based upon the interval negotiated for the stand-alone DSL-capable loop.
- 6.8 Maintenance:
- 6.8.1 The Parties acknowledge that by separating switching, feeder plant and distribution plant, the ability to perform mechanized testing and monitoring of the subloop from the SBC Michigan switch/testing equipment will be lost.
 - 6.8.2 Once Subloop Access Arrangements have been completed and balance of payment due SBC Michigan is received, MCI may place LSRs for subloops at this location. Prices at which SBC Michigan agrees to provide MCI with unbundled Network Elements are contained in the state specific Appendix Pricing.
 - 6.8.3 In the event of catastrophic damage to the RT, SAI/FDI, Terminal, or NID where CLEC has a SAA, SBC Michigan's repair forces will restore service in a non-discriminatory manner which will allow the greatest number of all end user customers to be restored in the least amount of time. Should MCI's cabling require replacement, SBC Michigan will provide prompt notification to MCI for MCI to provide the replacement cable to be terminated as necessary.
- 6.9 Subloop Access Arrangements:
- 6.9.1 Intentionally Omitted.
 - 6.9.2 The space available for combining, collocating or obtaining various Subloop Access Arrangements will vary depending on the existing plant at a particular location. MCI may initiate a Special Construction Arrangement (SCA) by submitting a Subloop Access Arrangement Application.
 - 6.9.3 Upon receipt of a complete and correct application, SBC Michigan will provide to MCI within thirty (30) days, a written estimate for the actual construction, labor, materials, and related provisioning costs incurred to fulfill the SCA on a time and materials basis. When MCI submits a request to provide a written estimate for sub-loop(s) access, appropriate rates for the engineering and other associated costs performed will be charged.
 - 6.9.4 The assignment of subloop facilities will incorporate reasonable practices used to administer outside plant loop facilities. For example, where SAI/FDI interfaces are currently administered in 25 pair cable complements, this will continue to be the practice in assigning and administering subloop facilities.
 - 6.9.5 Subloop inquiries do not serve to reserve subloop(s).

- 6.9.6 Several options exist for combining, Collocation or Subloop Access Arrangements at technically feasible points. Sound engineering judgment will be utilized to ensure network security and integrity. Each situation will be analyzed on a case-by-case basis.
 - 6.9.7 MCIIm will be responsible for obtaining rights of way from owners of property where SBC Michigan has placed the equipment necessary for the Subloop Access Arrangement, if necessary, prior to submitting the request for a SCA.
 - 6.9.8 Where MCIIm requires physical access to subloops, MCIIm shall have the "Collocation" and "Poles, Conduit, and ROW" appendices in the Agreement to provide the guidelines for both MCIIm and SBC Michigan to successfully implement subloops, should collocation, access to poles/conduits or rights of way be required.
 - 6.9.9 Construction of the Subloop Access Arrangement shall be completed within ninety (90) days of MCIIm submitting to SBC Michigan written approval and payment of not less than 50% of the total estimated construction costs and related provisioning costs after an estimate has been accepted by the carrier and before construction begins, with the balance payable upon completion. SBC Michigan will not begin any construction under the SCA until MCIIm has provided proof that it has obtained necessary rights of way as defined herein. In the event MCIIm disputes the estimate for an Subloop Access Arrangement in accordance with the dispute resolution procedures set forth in this Agreement, SBC Michigan will proceed with construction of the Subloop Access Arrangement upon receipt from MCIIm of notice of the dispute and not less than fifty percent (50%) of the total estimated costs, with the balance payable by MCIIm upon completion of the SAA. Such payments may be subject to any "true-up", if applicable, upon resolution of the dispute in accordance with the Dispute Resolution procedures.
 - 6.9.10 Upon completion of the construction activity, MCIIm will be allowed to test the installation with an SBC Michigan technician. If MCIIm desires test access to the Subloop Access Arrangement, MCIIm should place its own test point in its cable prior to cable entry into SBC Michigan's interconnection point.
 - 6.9.11 A non-binding MCIIm forecast shall be required as a part of the request for a Subloop Access Arrangement, identifying the subloops required for line-shared and non line-shared arrangements to each subtending SAI. This will allow SBC Michigan to properly engineer access to each SAI and to ensure SBC Michigan does not provide more available terminations than MCIIm expects to use.
 - 6.9.12 In order to maximize the availability of terminations for all CLECs, the CLEC shall provide CFAs for their subloop pairs utilizing the same 25-pair binder group. The CLEC would begin utilizing the second 25-pair binder group once the first 25-pair binder group reached its capacity.
 - 6.9.13 Unused CLEC terminations (in normal splicing increments such as 25-pair at a SAI/FDI) which remain unused for a period of one year after the completion of construction shall be subject to removal at CLEC expense.
 - 6.9.14 In the event MCIIm elects to discontinue use of an existing Subloop Access Arrangement, or abandons such arrangement, MCIIm shall pay SBC Michigan for removal of their facilities from such arrangement.
- 6.10 Subloop Access Arrangement (SAA) Access Points:

- 6.10.1 SAI/FDI or Terminal
 - 6.10.1.1 MCIIm cable to be terminated in an SBC Michigan SAI/FDI, or Terminal, shall consist of 22 or 24-guage copper twisted pair cable bonded and grounded to the power company Multi Grounded Neutral (MGN). Cable may be filled if buried or buried to aerial riser cable. MCIIm's Aerial cables should be aircore.
 - 6.10.1.2 MCIIm may elect to place their cable to within 3 feet of the SAA site and coil up an amount of cable, defined by the engineer in the design phase, that SBC Michigan will terminate on available binding posts in the SAI/FDI or Terminal.
 - 6.10.1.3 MCIIm may "stub" up a cable at a prearranged meet point, defined during the engineering site visit, and SBC Michigan will stub out a cable from the SAI/FDI or Terminal, which SBC Michigan will splice to MCIIm's cable at the meet point.
 - 6.10.1.4 Dead counts will be offered as long as they have not been placed for expansion purposes planned within the twelve (12) month period beginning on the date of the inquiry LSR.
 - 6.10.1.5 Exhausted termination points in a SAI/FDI - When a SAI/FDI's termination points are all terminated to assignable cable pairs, if MCIIm and SBC Michigan are mutually agreeable, SBC Michigan may increase capacity of the SAI/FDI by the method of it's choice, for which MCIIm will be charged a portion of the expense to be determined by duly authorized MCIIm and SBC Michigan engineers for the purpose of allowing MCIIm to terminate it's cable at the SAI/FDI.
 - 6.10.1.6 Exhausted termination points in a terminal - When a terminal's termination points are all terminated to assignable cable pairs, SBC Michigan may choose to increase the capacity of the terminal or, upon MCIIm's request, to construct an adjacent termination facility to accommodate the MCIIm facilities for which MCIIm will be charged.
- 6.11 Relocation of Existing ILEC/CLEC Facilities involved in a SAA at a RT, SAI/FDI, Terminal or NID:
 - 6.11.1 SBC Michigan shall notify MCIIm of pending relocation as soon as SBC Michigan receives such notice.
 - 6.11.2 MCIIm shall notify SBC Michigan of it's intentions to remain, or not, in the SAA by way of a new Subloop Access Arrangement Application for a new SCA.
 - 6.11.3 SBC Michigan shall then provide MCIIm an estimate to terminate their facilities as part of the relocation of the site including the applicable SAA. This process may require a site visit by MCIIm and SBC Michigan engineers.
 - 6.11.4 MCIIm shall notify SBC Michigan of acceptance or rejection of the new SCA within ten (10) business days of its receipt of SBC Michigan's estimate.

- 6.11.5 Upon acceptance of the SBC Michigan estimate, MCI shall pay at least 50% of the relocation costs at the same time as they notify SBC Michigan of their acceptance of estimate costs.
 - 6.11.6 Should MCI decide not to continue the SAA, MCI will notify SBC Michigan as to the date that SBC Michigan may remove MCI's facilities from that SAA. MCI will pay SBC Michigan for all costs associated with the removal of MCI's SAA.
 - 6.11.7 In the event that MCI does not respond to SBC Michigan in time to have their facilities relocated, SBC Michigan shall move MCI facilities and submit a bill for payment to MCI for the costs associated with the relocation. Should MCI elect not to pay this bill, MCI's facilities will be removed from the site upon thirty (30) days notice to MCI.
- 6.12 RT (for DS3 Subloop):
- 6.12.1 MCI may elect to place their cable (fiber or coax) to within 3 feet of the RT and coil up an amount of cable, defined by the engineers in the design phase that SBC Michigan will terminate on a fiber/coax interconnection block to be constructed in the RT.
 - 6.12.2 MCI may "stub" up a cable (fiber or coax) at a prearranged meet point, defined during the engineering site visit, and SBC Michigan will stub out a cable from the RT, which SBC Michigan will splice to MCI's cable at the meet point.

7 ENGINEERING CONTROLLED SPLICE (ECS)

- 7.1 SBC Michigan will make available an Engineering Controlled Splice (ECS), which will be owned by SBC Michigan, for MCI to gain access to subloops at or near remote terminals.
- 7.2 The ECS shall be made available for SAAs utilizing the SCA.
 - 7.2.1 CLEC requesting such a SCA shall pay all of the actual construction, labor, materials and related provisioning costs incurred to fulfill its SCA on a time and materials basis, provided that SBC Michigan will construct any Subloop Access Arrangement requested by a telecommunications carrier in a cost-effective and efficient manner. If SBC Michigan elects to incur additional costs for its own operating efficiencies and that are not necessary to satisfy an SCA in a cost-effective and efficient manner, the requesting telecommunications carrier will not be liable for such extra costs.
 - 7.2.2 CLEC shall be liable only for costs associated with cable pairs that it orders to be presented at an engineering controlled splice (regardless of whether the requesting carrier actually utilizes all such pairs), even if SBC Michigan places more pairs at the splice.
 - 7.2.3 SBC Michigan will either use existing copper or construct new copper facilities between the SAI(s) and the ECS, located in or at the remote terminal site. Although SBC Michigan will construct the engineering controlled splice, the ECS maybe owned by SBC Michigan or the CLEC (depending on the specific arrangement) at the option of SBC Michigan.
 - 7.2.4 If more than one CLEC obtains space in expanded remote terminals or adjacent structures and obtains an SAA with the new copper interface point at the ECS,

the initial telecommunications carrier which incurred the costs of construction of the engineering controlled splice and/or additional copper/fiber shall be reimbursed those costs in equal proportion to the space or lines used by the requesting carriers.

- 7.2.5 SBC Michigan may require a separate SCA for each remote terminal site.
- 7.2.6 Written acceptance and at least 50% of payment for the SCA must be submitted at least 90 days before access to the copper subloop or dark fiber is to be provisioned. If an augment of cabling is required between the ECS and the SAI, the interval for completion of the SCA will be determined on an individual case basis.
- 7.3 MCI will have two (2) options for implementing the ECS: a "Dedicated Facility Option" (DFO) and a "Cross-connected Facility Option" (CFO).
 - 7.3.1 Dedicated Facility Option (DFO)
 - 7.3.1.1 MCI may request SBC Michigan splice the existing cabling between the ECS and the SAI to the CLEC's SAA facility. This facility will be "dedicated" to the CLEC for subsequent subloop orders.
 - 7.3.1.2 CLEC must designate the quantity of subloops they desire to access via this spliced, dedicated facility, specified by subtending SAI.
 - 7.3.1.3 CLECs will compensate SBC Michigan for each of the dedicated subloop facilities, based on recurring subloop charges for the quantity of subloops dedicated to the CLEC between the ECS and the SAI.
 - 7.3.2 Cross-connected Facility Option (CFO)
 - 7.3.2.1 CLEC may request SBC Michigan build an ECS cross-connect junction on which to terminate CLEC's SAA facility.
 - 7.3.2.2 The SCA associated with this option will include the charges associated with constructing the cross-connect device, including the termination of SBC Michigan cabling between the ECS and the RT and/or SAI, and the inventorying of that SBC-132STATE cabling.
 - 7.3.2.3 CLEC must designate the quantity of subloops they desire to access via this cross-connectable, dedicated facility, specified by subtending SAI.
 - 7.3.2.4 CLECs will compensate SBC Michigan for the charges incurred by SBC Michigan derived from the CLEC's request for the SCA.

8 LOCAL SWITCHING

- 8.1 The Unbundled Local Switching (ULS) capability is defined as:
 - 8.1.1 line-side facilities, which include, but are not limited to, the connection between a Loop termination at a Main Distribution Frame and a switch line card.

- 8.1.2 trunk-side facilities, which include, but are not limited to, the connection between trunk termination at a trunk-side cross- connect panel and a switch trunk card; and
 - 8.1.3 all features, functions, and capabilities of the switch, available from the specific port type (line side or trunk side port) which include:
 - 8.1.3.1 the basic switching function of connecting lines to lines, lines to trunks, trunks to lines, and trunks to trunks, as well as the same basic capabilities made available to ILEC end user customers, such as a telephone number, white page listing, and dial tone;
 - 8.1.3.2 access to OS/DA and 911;
 - 8.1.3.3 all other features that the switch is capable of providing, including end user customer calling, CLASS features and Centrex; and
 - 8.1.3.4 as well as any technically feasible customized routing function provided by the switch.
 - 8.1.4 Intentionally Omitted.
 - 8.1.5 Local Switching will also be capable of routing local IntraLATA toll, InterLATA, and International calls to the customers preferred carrier; local switching will also include call features, calls to the terminating number and routing intraLATA toll, interLATA and international calls to the customers preferred carrier. Local Switching will also be capable of including call features (e.g., call forwarding) and Centrex capabilities.
 - 8.1.6 Local Switching also includes the ability to perform customized routing to enable MCI's OS/DA, as well as MCI's PIC'ed toll traffic in a 2-PIC environment to be routed, at MCI's option, from SBC Michigan's local end office to an alternate OS/DA platform designated by MCI.
- 8.2 Specific Terms and Conditions for Unbundled Local Switching (ULS)
- 8.2.1 Unbundled Local Switching utilizes routing instructions resident in the ILEC switch to direct all CLEC traffic.
 - 8.2.2 When MCI is purchasing Unbundled Local Switching, SBC Michigan shall provide MCI with all vertical features, CLASS features, and other features resident in the SBC Michigan switch.
 - 8.2.3 ULS as provided by SBC Michigan includes standard Central Office treatments (e.g., busy tones, vacant codes, fast busy, etc.), supervision and announcements.
 - 8.2.3.1 At MCI's request, after the Effective Date, the Parties will meet to jointly develop a detailed, mutually agreeable plan for ordering, provisioning and maintenance process associated with those Unbundled Network Elements Combinations which SBC Michigan is otherwise required to provide pursuant to this Agreement or Applicable Law. The Parties will meet within thirty (30) days after MCI's written request to commence the joint development. If the Parties do not complete this development within three (3) months after the date of MCI's written request, either Party may invoke

Dispute Resolution and Escalation process set forth in General Terms and Conditions of this Agreement.

8.2.4 Unless otherwise ordered by the Commission, at SBC Michigan's discretion, upon not less than one hundred eighty (180) days' written notice to MCI, SBC Michigan may elect to discontinue providing Unbundled Local Switching or to provide Unbundled Local Switching at market prices to MCI's end-users with four or more voice grade lines within any territory (each an "Exception Territory") with respect to which SBC Michigan can demonstrate that, as of the date on which MCI receives such notice (the "Exception Notice Date"), SBC Michigan has satisfied each of the following conditions:

8.2.4.1 A territory shall constitute an "Exception Territory" if it constitutes the service area of SBC Michigan offices that both are assigned to density zone 1 and are located within one of the Top 50 MSAs. The Parties shall determine density zone assignments by reference to the NECA Tariff No. 4, in effect on January 1, 1999. The Top 50 MSAs are those listed in Appendix B of the FCC Third Report and Order and Fourth Further Notice of Proposed Rulemaking in CC Docket 96-98 ("UNE Remand Order"); and

8.2.4.2 In the Exception Territory where SBC Michigan elects to offer the Enhanced Extended Loop (EEL) pursuant to the UNE Remand Order, the EEL would be available to MCI in the Exception Territory at TELRIC rates as specified in Appendix Pricing. SBC Michigan may only exercise its rights to discontinue or market-price Unbundled Local Switching under this Section for MCI end user accounts involving four or more lines.

8.2.4.3 In determining whether SBC Michigan may exercise its rights under this section in any particular case, MCI shall be obligated to disclose customer account detail similar to customer service records that SBC Michigan provides to MCI through pre-ordering process.

8.2.4.4 Nothing herein shall preclude MCI from using its own facilities, resold services, or any other facilities, services or serving arrangements to provide additional services to an end user customer account with respect to which SBC Michigan may exercise its rights under this Section.

8.3 Customized Routing

8.3.1 Subject to switch limitations and as required by state jurisdiction, SBC Michigan shall provide any technically feasible customized routing function requested by MCI. Customized Routing shall be provided using the BFR process. Customized Routing is available upon MCI's request to handle Operator Services, Directory Assistance, and/or other traffic. MCI will pay the Customized Routing charges reflected in Appendix Pricing or appropriate charges for the BFR process.

8.4 Technical Requirements - Local Switching

8.4.1 SBC Michigan shall route calls to the appropriate trunk port or line port for call origination or termination utilizing SBC Michigan's shared transport network.

- 8.4.2 SBC Michigan shall provide standard recorded announcements and call progress tones to alert callers of call progress and disposition if deployed within switch.
 - 8.4.3 SBC Michigan shall perform routine testing (e.g., Mechanized Loop Tests (MLT) and test calls such as 105, 107 and 108 type calls) and fault isolation on a schedule mutually agreed upon by the Parties. SBC Michigan shall also permit MCI the ability to perform these tests at Parity.
 - 8.4.4 SBC Michigan shall provide nondiscriminatory access to switching service point (SSP) capabilities and signaling software to interconnect the signaling links destined to SBC Michigan STPs.
- 8.5 Switch Ports
- 8.5.1 A Switch Port is a termination point in the end office switch. The charges for available Switch Ports are reflected in Appendix Pricing.
 - 8.5.2 Line Switch Ports
 - 8.5.2.1 The Analog Line Port is a line side switch connection available in either a loop or ground start signaling configuration.
 - 8.5.2.2 The Analog Line Port can be provisioned with Centrex-like features and capabilities. When MCI wants to provide the Centrex-like port, a system establishment charge is applicable to translate the common block and system features in the switch.
 - 8.5.2.3 The Analog Line Port can be provisioned with two-way, one-way-out, and one-way-in, directionality for PBX business applications.
 - 8.5.2.4 ISDN Basic Rate Interface (BRI) Port is a 2-wire line side switch connection which provides two 64 Kbps "B" (bearer) channels for circuit switched voice and/or data and on 16 Kbps "D" (delta) channel for signaling.
 - 8.5.2.5 Trunk Side Switch Ports - The Analog DID Trunk Port is a 2-wire trunk side switch port that supports Direct Inward Dialing (DID) capability for PBX business applications.
 - 8.5.2.6 ISDN Primary Rate Interface (PRI) Trunk Side Port is a trunk side switch connection that provides twenty-three 64 Kbps "B" channels for digital voice and data and one 64 Kbps "D" channel.
 - 8.5.2.7 DS1 Trunk Port is a trunk side DS1 interface. This ULS Trunk Port may be used to terminate dedicated facilities associated with completing ULS Custom Routing calls in SBC Michigan.
- 8.6 Intentionally Omitted
- 8.7 Local Tandem Switching
- 8.7.1 Tandem Switching is defined as the local tandem switching Network Element, as set forth in 47 CFR 51.319. Tandem Switching allows use of the Tandem Switch itself for the transmission of calls between any two switches connected to that tandem, without any customized routing. SBC Michigan's unbundled Tandem

Switching will permit access to the Tandem Switch to originate a call to, or terminate a call from, a MCI to an SBC Michigan end office, another CLEC, Wireless Service Provider, and IXC or another switch, using the normal routing established in SBC Michigan's tandem. Local Tandem Switching also includes:

8.7.1.1 trunk-connect facilities, including but not limited to the connection between trunk termination at a cross-connect panel and a switch trunk card;

8.7.1.2 the basic switching function of connecting trunks to trunks; and

8.7.1.3 the technically feasible functions that are centralized in tandem switches (as distinguished from separate end-office switches), including but not limited to call recording, the routing of calls to Operator Services, and signaling conversion features.

8.7.2 The charges for Local Tandem Switching are reflected in Appendix Pricing.

9 PACKET SWITCHING

9.1 Packet switching is defined as the basic packet switching function of routing or forwarding packets, frames, cells or other data units based on address or other routing information contained in the packets, frames, cells or other data units, and the functions that are performed by Digital Subscriber Line Access Multiplexers.

9.2 SBC Michigan shall be required to provide nondiscriminatory access to unbundled packet switching capability only where each of the following conditions are satisfied;

9.2.1 SBC Michigan has deployed Digital Loop Carrier systems, including but not limited to Integrated Digital Loop Carrier or Universal Digital Loop Carrier systems; or has deployed any other system in which fiber optic facilities replace copper facilities in the distribution section (e.g., end office to remote terminal, pedestal or environmentally controlled vault),

9.2.2 There are no spare copper Loops capable of supporting the xDSL services MCI seeks to offer;

9.2.3 SBC Michigan has not permitted MCI to deploy a Digital Subscriber Line Access Multiplexer at the remote terminal, pedestal or environmentally controlled vault or other interconnection point, nor has MCI obtained a virtual collocation arrangement at these subloop interconnection points as defined by Section 51.319(b) of the Rules; and

9.2.4 SBC Michigan has deployed packet switching capability for its own use.

10 INTEROFFICE TRANSPORT

10.1 Interoffice Transport (IOT) is defined as Incumbent LEC transmission facilities, including all technically feasible capacity related services including, but not limited to, DS1, DS3 and OCN levels, dedicated to a particular end user customer or carrier, that provide telecommunications between Wire Centers owned by Incumbent LEC or requesting telecommunications carriers, or between switches owned by Incumbent LEC or requesting telecommunications carriers. SBC Michigan will provide Dedicated Transport as a point to point circuit dedicated to the CLEC at the following speeds: DS1 (1.544 Mbps), DS3 (44.736 Mbps), OC3 (155.52 Mbps), OC12 (622.08 Mbps), and OC48 (2488.32 Mbps). SBC Michigan will provide higher speeds to CLEC as they are

deployed in the SBC Michigan network. SBC Michigan provides OCn Dedicated Transport and Entrance Facilities as point-to-point bit rates, when and where facilities exist. When MCIIm requests IOT and facilities do not exist at the time of MCIIm's request, SBC Michigan shall provide such facilities in accordance with the requirements of section 2.10.19.

10.1.1 SBC Michigan shall:

10.1.1.1 Provide MCIIm exclusive use of interoffice transmission facilities dedicated to a particular end user customer or carrier, or use the features, functions, and capabilities of interoffice transmission facilities shared by more than one end user customer or carrier.

10.1.1.2 Provide all technically feasible transmission facilities, features, functions, and capabilities that MCIIm could use to provide telecommunications services;

10.1.1.3 Permit, to the extent technically feasible, MCIIm to connect such interoffice facilities to equipment designated by MCIIm including but not limited to, MCIIm's collocated facilities and other Network Elements provided by MCIIm, a third party or SBC Michigan. However, when other methods of interconnection are technically feasible, collocation is not necessary to connect such interoffice facilities to such equipment designated by MCIIm; and

10.1.1.4 Permit, to the extent technically feasible, MCIIm to obtain the functionality provided by SBC Michigan's digital cross-connect systems in the same manner that SBC Michigan provides such functionality to inter-exchange carriers.

10.2 SBC Michigan will be responsible for the engineering, provisioning, maintenance of the underlying equipment and facilities that are used to provide Interoffice Transport.

10.2.1 Maintenance. Unbundled Interoffice Transport shall be maintained in accordance with the procedures applicable to special access services.

10.2.2 Ordering. Unbundled Interoffice Transport shall be ordered in accordance with the procedures applicable to special access services. MCIIm may order any number of unbundled interoffice transport Network Elements between the same locations in a single order. All such elements must have the same requested due date. To the extent that the unbundled transport can be made available with reasonable effort, SBC Michigan will provide it in accordance with MCIIm's requested interval.

10.3 Interoffice Transport

10.3.1 Intentionally Omitted.

10.3.2 UDT includes the following elements, but is not limited to:

10.3.2.1 The facilities used to provide Dedicated Transport.

10.3.2.2 Entrance Facility - A circuit from SBC Michigan serving Wire Center to the CLEC's location.

10.3.2.3 Multiplexing for UDT is only available when ordered at the same time as UDT entrance facility and/or interoffice transport.

10.3.2.3.1 Multiplexing

10.3.2.3.1.1 DS3 to DS1 Multiplexing. An arrangement that converts an unbundled DS3 channel operating at a terminating speed of 44.736 mbps to 28 DS1 channels operating at a terminating speed of 1.544 mbps using digital time division multiplexing.

10.3.2.3.1.2 DS1 to Voice/Base Rate/128.0, 256.0, 384.0 kbps Transport Multiplexing. An arrangement that converts a DS1 (1.544 mbps only) channel to 24 channels for use with direct analog service, base rate service, and 128.0, 256.0, or 384.0 kbps transport services.

10.3.2.3.2 1+1 Protection for OC-3, OC-12 and OC-48. OC-3, OC-12 and OC-48 facilities are offered with four fibers in the same cable, but the protection care will only be activated when this option is ordered.

10.3.2.3.3 1+1 Protection with Cable Survivability for OC-3, OC-12 and OC-48. This option will provide 1+1 protection and additional loop survivability with the working fiber pair and protect fiber pair placed in separate cables within the same conduit. The protection fiber will be charged on a distance sensitive basis, based on quarter route miles, from the carrier premise to the serving Wire Center, as set forth in Appendix Pricing.

10.3.2.3.4 1+1 Protection with Route Survivability for OC-3, OC-12 and OC-48. This option will provide 1+1 protection and offer additional protection from fiber cable cuts by routing the working fiber pair via a primary route and the protect fiber pair via a physically diverse alternate route. Prior to confirming an order for this service, SBC Michigan will provide a proposed route diagram to MCI. The diagram will include the number of quarter route miles and method used to support the number needed to provide the alternate route. In order to avoid compromising route survivability information, SBC Michigan will provide this information only to MCI. The protection fiber will be charged on a distance sensitive basis, based on quarter route miles, from the carrier premise to the serving Wire Center, as set forth in Appendix Pricing.

10.4 Diversity

10.4.1 When requested by MCI, physical diversity shall be provided for Unbundled Dedicated Transport. When MCI requests physical diversity and facilities do not exist at the time of MCI's request, SBC Michigan shall provide such

facilities in accordance with the requirements of section 2.10.19. Physical diversity means that two circuits are provisioned in such a way that no single failure of facilities or equipment will cause a failure on both circuits.

- 10.4.2 SBC Michigan shall provide the Physical separation between intra-office and inter-office transmission paths when technically and economically feasible. When additional costs are incurred by SBC Michigan for MCIIm specific diversity, SBC Michigan will advise MCIIm of the applicable additional charges. SBC Michigan will not process the request for diversity until MCIIm accepts such charges. Any applicable performance measures will be abated from the time diversity is requested until MCIIm accepts the additional charges.
- 10.5 Digital Cross-Connect System (DCS)
 - 10.5.1 SBC Michigan will offer Digital Cross-Connect System (DCS) as part of the Interoffice Transport element with the same functionality that is offered to inter-exchange carriers. DCS requested by MCIIm shall be subject to additional charges as outlined in Appendix Pricing.
- 10.6 Network Reconfiguration Service (NRS)
 - 10.6.1 SBC Michigan will offer reconfiguration service as part of the UDT element with the same functionality that is offered to inter-exchange carriers. Charges for reconfiguration service are outlined in Appendix Pricing.
- 10.7 Dark fiber transport
 - 10.7.1 Dark fiber transport is defined as SBC Michigan optical transmission facilities without attached multiplexing, aggregation or other electronics.
- 10.8 Shared Transport
 - 10.8.1 SBC Michigan shall provide nondiscriminatory access to shared transport on an unbundled basis. Shared Transport is defined as transmission facilities shared by more than one carrier, including SBC Michigan, between end office switches, between end office switches and tandem switches, and between tandem switches, in SBC Michigan's network. Shared transport also includes transiting which encompasses the facilities that SBC Michigan ordinarily uses to transmit calls that require termination to any other LEC, CMRS provider, CLEC or IXC without the need for dedicated transport. SBC Michigan shall provide shared transport, along with all features, functions and capabilities of shared transport, in a manner that allows MCIIm to provide any Telecommunications Service that can be offered by means of shared transport.
 - 10.8.2 SBC Michigan shall permit MCIIm to use Shared Transport only in conjunction with ULS or Shared Transport-Transit service such that MCIIm can utilize SBC Michigan's network to originate or terminate calls within SBC Michigan's network or to other LECs, CMRS providers, CLECs or IXCs.
 - 10.8.2.1 When using Shared Transport, MCIIm shall not request SBC Michigan to route ULS-ST via any other method. MCIIm's ULS-ST local traffic to non-SBC Michigan switches will use the transit function of Shared Transport (with this transit function being referred to as "Shared Transport-Transit"). All inter-exchange traffic will be routed to the interLATA (PIC) or intraLATA toll (LPIC) Inter-exchange Carrier, as appropriate, selected for that ULS port.

10.8.2.2 When MCIIm requests ULS-ST and facilities do not exist at the time of MCIIm's request, SBC Michigan shall provide such facilities in accordance with the requirements of section 2.10.19.

10.8.2.3 In providing Shared Transport, SBC Michigan will use the existing SBC Michigan routing tables contained in SBC Michigan's switches, updated in accordance with industry standards. SBC Michigan shall provide MCIIm with access to such switch routing tables as part of Shared Transport.

10.8.3 Customized Routing of OS/DA with ULS-ST

10.8.3.1 MCIIm can only mix ULS-ST and customized routing within an SBC Michigan End Office Switch where MCIIm chooses to custom route all of its OS and/or all of its DA (OS/DA) traffic for its end user customers served by SBC Michigan's ULS-ST ports in that SBC Michigan End Office Switch. If this customized routing for OS/DA is chosen in a given SBC Michigan End Office Switch, then all end user customers served via ULS-ST ports in that switch will have their OS/DA traffic routed over the same custom route designated by MCIIm.

10.8.3.2 MCIIm must provide SBC Michigan routing instructions necessary to establish such custom routing of OS/DA traffic in those end offices where MCIIm has end user customers served via ULS-ST ports. MCIIm will be charged by SBC Michigan for the establishment of each custom route for OS or DA traffic in an End Office Switch.

10.8.3.3 Intentionally Omitted.

10.8.3.4 MCIIm will request custom OS/DA routing for use with ULS-ST other than described in this section via the Bona Fide Request process.

11 OPERATOR SERVICES AND DIRECTORY ASSISTANCE

11.1 SBC Michigan shall provide nondiscriminatory access in accordance with 47CFR Section 51.311 and Section 251(c)(3) of the Act to Operator Services and Directory Assistance on an unbundled basis to MCIIm for the provision of a Telecommunications Service only where SBC Michigan does not provide MCIIm with customized routing or a compatible signaling protocol. Operator Services are any automatic or live assistance to a consumer to arrange for billing or completion, or both, of a telephone call and are available as described in Appendix Operator Services. Directory Assistance is a service that allows subscribers to retrieve telephone numbers of other subscribers and is available as described in Appendix Directory Assistance.

12 SIGNALING NETWORKS AND CALL-RELATED DATABASES

12.1 SBC Michigan shall provide nondiscriminatory access, in accordance with Section 47CFR 51.311 and Section 251(c)(3) of the Act, to signaling networks, call-related databases, and service management systems on an unbundled basis to MCIIm for the provision of a Telecommunications Service.

12.2 Signaling Networks: Signaling networks include, but are not limited to, signaling links and signaling transfer points and are available as described in Appendix SS7.

- 12.3 Call Related Databases: Call-related databases are defined as databases, other than Operations Support Systems, that are used in signaling networks for billing and collection, or the transmission, routing or other provision of a Telecommunications Service.
- 12.4 Service Management Systems:
- 12.4.1 A service management system is defined as a computer database or system not part of the public switched network that, among other things:
- 12.4.1.1 interconnects to the service control point and sends to that service control point the information and call processing instructions needed for a network switch to process and complete a telephone call; and
- 12.4.1.2 provides Telecommunications Carriers with the capability of entering and storing data regarding the processing and completing of a telephone call.
- 12.4.2 Access to Service Management Systems is available as described in Appendix SS7.

13 OPERATIONS SUPPORT SYSTEMS FUNCTIONS

- 13.1 SBC Michigan shall provide nondiscriminatory access in accordance with Section 47CFR 51.311 and Section 251(c)(3) of the Act to Operations Support Systems (OSS) on an unbundled basis to MCIIm for the provision of a Telecommunications Service. OSS functions consist of pre-ordering, ordering, provisioning, maintenance and repair, and billing functions supported by SBC Michigan's databases and information. SBC Michigan, as part of its duty to provide access to the pre-ordering function, must provide MCIIm with nondiscriminatory access to the same detailed information about the loop that is available to SBC Michigan. Access to OSS is available as described in Appendix OSS.

14 CROSS CONNECTS

- 14.1 Pricing for cross connects for SBC Michigan are provided as set forth in Appendix Pricing.

15 MAINTENANCE OF ELEMENTS

- 15.1 If trouble occurs with unbundled Network Elements provided by SBC Michigan, MCIIm will first determine whether the trouble is in MCIIm's own equipment and/or facilities or those of the end user customer. If MCIIm determines the trouble is in SBC Michigan's equipment and/or facilities, MCIIm will issue a trouble report to SBC Michigan.
- 15.1.1 A Party shall pay Time and Material Charges (maintenance of service charges/additional labor charges) when it reports a suspected failure of an unbundled Network Element and the other Party dispatches personnel to the end user customer's premises or a Central Office and to the extent that the trouble was not caused by the other Party's facilities or equipment. Time and Material Charges will include all technicians dispatched, including technicians dispatched to other locations for purposes of testing. Rates of Time and Material charges will be billed at amounts equal to those contained in Appendix Pricing. SBC Michigan shall apply Time and Material charges for Premises Visits at parity with what SBC Michigan charges its retail end users customers.

- 15.2 Intentionally Omitted.
- 15.3 MCI shall pay Time and Material charges when SBC Michigan dispatches personnel and the trouble is in equipment or communications systems provided an entity by other than SBC Michigan or in detariffed CPE provided by SBC Michigan, unless covered under a separate maintenance agreement. Anything to the contrary in this Agreement notwithstanding, SBC Michigan shall not proceed with any repairs pursuant to this section without the consent of MCI's end user customer, which consent shall be obtained in accordance with the requirements of this Agreement, including providing MCI with documentation of the end user customer's request.
- 15.4 MCI shall pay Maintenance of Service charges when the trouble clearance did not otherwise require dispatch, but dispatch was requested for repair verification or cooperative testing, and the circuit did not exceed maintenance limits.
- 15.5 If MCI issues a trouble report allowing SBC Michigan access to the end user customer's premises and SBC Michigan personnel are dispatched but denied access to the premises, provided SBC Michigan makes a reasonable effort to enter the premises, then Time and Material charges will apply for the period of time that SBC Michigan personnel are dispatched. Subsequently, if SBC Michigan personnel are allowed access to the premises, these charges will still apply.
- 15.6 If MCI requests or approves a SBC Michigan technician to perform services in excess of or not otherwise contemplated by the nonrecurring charges herein, MCI will pay Time and Material Charges for any additional work to perform such services only in circumstances in which SBC Michigan would have charged its own customer such charges for work performed outside of normal scheduled working hours.
- 15.7 Time and Material Charges apply on a first and additional basis for each half-hour or fraction thereof. If more than one technician is dispatched in conjunction with the same trouble report, the total time for all technicians dispatched will be aggregated prior to the distribution of time between the "First Half Hour or Fraction Thereof" and "Each Additional Half Hour or Fraction Thereof" rate categories. Basic Time is work-related efforts performed during normally scheduled working hours on a normally scheduled workday. Overtime is work-related efforts performed on a normally scheduled workday, but outside of normally scheduled working hours. Premium Time is work-related efforts performed other than on a normally scheduled workday.

16 UNE COMBINATIONS

- 16.1 At MCI's request, SBC Michigan shall provide combinations of unbundled Network Elements in accordance with the requirements of this Section 16, other applicable requirements of this Agreement and Applicable Law, including 47 CFR Section 315. SBC Michigan may not require MCI to own or control any local exchange facilities as a condition of offering to MCI any Network Element or combination. SBC Michigan may not require MCI to combine Network Elements. SBC Michigan shall not separate Network Elements that are already combined on SBC Michigan's Network unless requested by MCI.
- 16.2 "Network Element Platform" or "UNE-P" means the combination of a Loop, NID, Local Switching, Shared Transport, call-related databases and signaling (e.g., LIDB), the vertical features resident in SBC Michigan's Switch, and (at MCI's option and where permitted) Operator Services and Directory Assistance.
- 16.3 **CURRENTLY COMBINED UNE COMBINATIONS**

SBC Michigan shall provide to MCI combinations of unbundled Network Elements. Specifically, SBC Michigan provides currently combined unbundled Loop and Unbundled Local Switching with Shared Transport (ULS-ST) as described herein

16.3.1 “Currently combined” is the situation when MCI orders all the SBC Michigan unbundled Network Elements required either (1) to convert an SBC Michigan end-user customer, another Telecommunications Carrier’s pre-existing UNE-P end-user customer, or MCI’s resale end-user customer to a pre-existing UNE-P or (2) to activate a pre-existing combination of unbundled Network Elements to provision a UNE-P for MCI (a) without any change in features or functionality that was being provided by SBC Michigan (or by MCI on a resale basis) at the time of the order or (b) with only the change needed to route the end user customer’s Operator Service and Directory Assistance (OS/DA) calls to MCI’s OS/DA platform via customized routing where such customized routing has already been established to MCI’s OS/DA platform from the relevant SBC Michigan local switch and/or (c) with only changes needed in order to change a local switching feature, e.g., call waiting and/or (d) with only the work and/or changes needed to activate the pre-existing combination of unbundled Network Elements to provision UNE-P. This offering is referred to as the Combined Platform Offering (CPO) or as the Existing Unbundled Network Elements Platform (Existing UNE-P).

16.3.2 Collocation is not required for access to Existing UNE-P.

16.3.3 Branding of MCI OS/DA traffic routed to SBC Michigan’s OS/DA platform(s) shall be provided, upon request, using Service Provider Identification (SPID).

16.3.4 Nonrecurring Charges for Existing UNE-P will be applied as shown in Appendix Pricing of this Agreement.

16.3.5 Existing UNE-P

16.3.5.1 The Existing UNE-P offering consists of the combination of an unbundled Loop, unbundled Switching and unbundled Shared Transport Network Elements that are currently combined which SBC Michigan will not separate but instead offer as an existing combination of unbundled Network Elements pursuant to 47 C.F.R. § 51.315(b).

MCI may request different types of Existing UNE-P combinations. Each different Existing UNE-P offering is a currently combined combination of a specific type of unbundled loop, unbundled local switching port and shared transport Network Element. The currently combined unbundled loops, unbundled local switching and shared transport network elements that comprise the Existing UNE-P offerings are described in Section 2, Unbundled Loops and HFPL and Section 21, Unbundled Local Switching with Shared Transport. The features, functions and capabilities for unbundled local switching and shared transport provided as part of Existing UNE-P will be provided as set forth in Section 21, Unbundled Local Switching with Shared Transport.

16.3.5.2 MCI may request SBC Michigan to disconnect and reconnect local exchange service on designated line(s) for which MCI provides residential service via UNE-P. Disconnection and reconnection of

MCI's basic residential end users will be handled in a manner that enables MCI to comply with Rules 85 and 86, subject to the Telecommunications Carrier's compliance with the notice and timing provisions in Rules 84 and 85, in Billing Standards for Basic Residential Telecommunications Service as required by the Michigan Public Service Commission.

16.3.5.3 Ordering and Provisioning

SBC Michigan will provide MCI with electronic access for pre-ordering capabilities and service order requests for Existing UNE-P. Application of service order types and applicable rates are addressed in Appendix OSS of this Agreement.

16.3.5.4 Technical References

Technical references for the unbundled Network Elements comprising existing UNE-P are as follows:

- Analog Loop: AM TR-TMO-000 122
- Digital Loop: AM TR-TMO-000 123

16.3.5.5 Rate Application

Rates are as set forth in Appendix Pricing of this Agreement

16.4 NEW UNE COMBINATIONS

SBC Michigan shall provide MCI with new combinations involving unbundled Network Elements as set forth in this Section. A new unbundled Network Element combination is a situation where MCI requests one or more unbundled Network Elements that are not currently physically combined in SBC Michigan's network. Where the requested unbundled Network Elements are currently physically combined, MCI may request SBC Michigan to convert those pre-existing combinations to a combination of UNEs, as defined and offered in this Appendix UNE.

16.4.1 Subject to the provisions of this Agreement, upon request by MCI, SBC Michigan shall perform the functions necessary to combine, and shall actually make the physical connection on behalf of MCI, new combinations of unbundled Loop and unbundled Local Switching with Shared Transport, as offered in this Appendix UNE. Such a combination is referred to as the New Unbundled Network Elements Platform ("New UNE-P").

16.4.2 Subject to the provisions of this Agreement, upon request by MCI, SBC Michigan shall perform the functions necessary to combine, and shall actually make the physical connection on behalf of MCI, combinations of unbundled Loop and unbundled Dedicated Transport, as set forth in this Appendix UNE. Such a UNE combination is referred to as a New Enhanced Extended Loop ("New EEL").

16.4.3 MCI may request that SBC Michigan perform the functions necessary to combine unbundled Network Elements for other new combinations not listed below as a New UNE-P or a New EEL, or for a combination of unbundled Network Elements and network element(s) possessed by MCI, via the Bona Fide Request (BFR) process as set forth in this Appendix UNE or the Bona Fide

Request for Ordinarily Combined Combinations (BFR-OC) process as set forth in this Section.

- 16.4.4 Any BFR or BFR-OC for such a new combination is subject to the provisions of this Agreement, including any requirements, criteria and conditions provided for in this Section.

16.5 **NEW UNE-P**

Upon request from MCI, the following types of New UNE-P which are combinations of the specific unbundled Network Element Loops found in this Appendix UNE and corresponding UNE switch ports with shared transport (ULS-ST) found in this Appendix UNE, are available subject to the terms and conditions contained in this Appendix UNE:

- 2-Wire Basic Analog Loop with Basic Line Port
- 2-Wire P.B.X. Ground Start Analog Loop with Ground Start Line Port
- 2-Wire Basic Analog Loop with Analog DID Trunk Port
- 2-Wire Basic Analog Loop with Centrex Basic Line Port
- 2-Wire Electronic Key Line Analog Loop with Centrex EKL Line Port
- 2-Wire 160kbps (ISDN-BRI) Digital Loop with ISDN Direct Line Port
- 2-Wire 160kbps (ISDN-BRI) Digital Loop with CENTREX ISDN Line Port
- 4-Wire Digital (Loop) with Digital Trunking Trunk Port
- 4-Wire Digital Loop with ULS DS1 Trunk Port
- 4-Wire Digital Loop with ISDN Prime Trunk Port

- 16.5.1 All terms, conditions, regulations and application of rates/charges as well as the rates and charges themselves contained in this Appendix UNE apply to this Section, except as specified below:

- 16.5.2 Collocation is not required for New UNE-P.

- 16.5.3 Recurring and non-recurring charges for New UNE-P will be applied as set forth in Appendix Pricing of this Agreement.

- 16.5.4 MCI may request SBC Michigan to disconnect and reconnect local exchange service on designated line(s) for which MCI provides residential service via UNE-P. Disconnection and reconnection of MCI's basic residential end user customers will be handled in a manner that enables MCI's compliance with the notice and timing provisions in Rules 84 and 85, in Billing Standards for Basic Residential Telecommunications Service as required by the Commission.

16.6 **NEW ENHANCED EXTENDED LOOP (New EEL)**

A New Enhanced Extended Loop (New EEL) is a new combination of unbundled Network Elements consisting of certain unbundled loops together with certain unbundled Dedicated Transport (UDT), using the appropriate cross-connects and, when needed, multiplexing between the unbundled Loop and UDT in a particular New EEL. The New EEL consists of an unbundled loop (joining MCI's end user customer's premises and a Company central office serving that end user customer where MCI is not physically collocated) connected to UDT (joining SBC Michigan central office serving that end user customer to MCI's collocation arrangement in a different SBC Michigan central office in the same LATA). The unbundled loop and UDT, including multiplexing options, that constitute a New EEL when combined under this Section are as offered in this Agreement.

- 16.6.1 Upon request from MCI, the following New EELs which are combinations of specific unbundled Network Element Loops found in this Appendix UNE and UDT found in this Appendix UNE, to provision circuit switched or packet switched telephone exchange service to MCI's own end user customers, are available subject to the terms and conditions contained in this Section:
- 2-Wire Analog Loop to DS1 or DS3 Dedicated Transport facilities
 - 4-Wire Analog Loop to DS1 or DS3 Dedicated Transport facilities
 - 2-Wire Digital Loop to DS1 or DS3 Dedicated Transport facilities
 - 4-Wire Digital Loop (DS1 Loop) to DS1 or DS3 Dedicated Transport facilities
- 16.6.2 MCI is responsible for specifying any needed multiplexing to accomplish the requested New EEL. MCI will order each Loop as needed and provide SBC Michigan with the Channel Facility Assignment (CFA) to the UDT.
- 16.6.3 All terms, conditions, regulations and application of rates/charges as well as the rates and charges themselves contained in Appendix Pricing apply to this Section, except as specified herein.
- 16.6.4 Consistent with the FCC's Supplemental Order Clarification as referenced below and delineated in Section 19 of this Part, Collocation is:
- 16.6.4.1 Only required on one end of the UDT portion of the New EEL in cases where MCI has chosen Option 1 or 2 to certify a significant amount of local exchange service.
- 16.6.4.2 Not required where MCI has chosen Option 3 to certify a significant amount of local exchange service.
- 16.6.5 The New EEL is only offered under this Section and shall only be provided to MCI to the extent the New EEL is used to provide a significant amount of local exchange service to a particular end user customer. MCI must demonstrate compliance with one of the criteria set forth in the FCC's Supplemental Order Clarification in CC Docket No. 96-98, FCC 00-183 (released June 2, 2000), including, but not limited to, the requirements prohibiting the New EEL from being connected to SBC Michigan's tariffed access services and the requirements that each circuit riding a larger facility carry the required amount of local exchange service. These criteria are the same as delineated in Section 17 of this Appendix UNE and are incorporated here by reference, including the three qualifying alternative criteria and requirements for initial qualification and ongoing qualification.

16.7 **BONA FIDE REQUEST PROCESS FOR ORDINARILY COMBINED COMBINATIONS (BFR-OC)**

A BFR-OC is MCI's written request to SBC Michigan to provide an ordinarily combined combination of unbundled Network Elements not specifically identified elsewhere in this Agreement. The BFR-OC Process may only be used for those new UNE combinations that are "ordinarily combined" by SBC Michigan. A new UNE combination will be considered "ordinarily combined" unless (1) SBC Michigan does not provide services using such a combination of unbundled Network Elements, (2) where SBC Michigan does provide services using such combinations, such provisioning is extraordinary (i.e., a limited unbundled Network Element combinations created in order to provide service to an end user customer under a unique and generally nonrecurring set of circumstances), or (3) the unbundled Network Element combination contains a Network Element, feature,

or functionality that SBC Michigan is not required to provide as, or in conjunction with, an unbundled Network Element.

- 16.7.1 If MCIIm submits a BFR-OC, MCIIm shall provide a technical description of each requested feature, capability, functionality and/or unbundled Network Element requested, including specification of what unbundled network Elements MCIIm requests SBC Michigan to combine.
- 16.7.2 For all requests submitted via the BFR-OC process, SBC Michigan will notify MCIIm within 10 calendar days of receipt of the complete BFR-OC whether SBC Michigan will accept or reject the BFR-OC.
- 16.7.3 For each complete BFR-OC accepted by SBC Michigan, SBC Michigan will provide MCIIm within 30 calendar days of receipt of the complete BFR-OC a preliminary analysis (i.e., a high level estimate of the rate for the requested combination), together with general terms and conditions that may apply to the offering.
- 16.7.4 If MCIIm notifies SBC Michigan in writing within 30 calendar days of receipt of SBC Michigan's preliminary analysis that MCIIm wants SBC Michigan to proceed with development of the "ordinarily combined" UNE combination, SBC Michigan will provide MCIIm a Final Quote within 60 calendar days of receipt of the written notification to proceed. The Final Quote will include a price quote, a firm delivery date, and any necessary terms and conditions.
- 16.7.5 For each complete BFR-OC rejected by SBC Michigan, SBC Michigan will provide the factors upon which the rejection decision was based. If the BFR-OC is rejected, MCIIm may, at its option, resubmit the request as a standard BFR, according to the provisions of Appendix BFR of this Agreement.
- 16.7.6 SBC Michigan will waive its standard fees associated with the costs for the development of SBC Michigan's Preliminary Analysis and Final Quote in the case of a BFR-OC.
- 16.7.7 None of the time periods shall begin to run until a complete BFR-OC application required by SBC Michigan is received.

16.8 ORDERING AND PROVISIONING

SBC Michigan will accept requests for New UNE-P and New EEL pursuant to the ordering requirements set forth in Appendix OSS of this Agreement.

- 16.8.1 A New UNE-P or New EEL will be provided in a manner as specified in the benchmarks or standards set for such installations in Case No. U-11830 regarding SBC Michigan's wholesale performance measurement requirements.
- 16.8.2 Other new combinations that may be provided pursuant to the BFR or BFR-OC process as specified above, will be provisioned as specified in the BFR or BFR-OC response.
- 16.8.3 Rate Application

Rates are set forth in Appendix Pricing of this Agreement.

17 EELs

SBC Michigan shall provide to MCI_m the reconfiguration of qualifying special access arrangements to unbundled Network Element combinations as described below. The reconfiguration of special access arrangements to unbundled Network Element combinations shall only be provided to MCI_m for use in the provision of telecommunications services as specified and to the extent required by and subject to the Telecommunications Act of 1996, Pub. L. No. 104-104, 110 Stat. 56 (1996) (“the Act”). The rules, regulations, and orders of the FCC and the Michigan Public Service Commission, and any other Applicable Law.

17.1 MCI_m may request a reconfiguration of a special access arrangement to an unbundled Network Element combination when it can be certified that the telecommunications carrier uses that special access arrangement to provide a significant amount of local exchange service to its end-user customer pursuant to the criteria set forth by the FCC in CC Docket No. 96-98, Supplemental Order Clarification, FCC 00-183, released June 2, 2000 or based on subsequent criteria as defined by the FCC in subsequent Orders released by the FCC that clarify or modify such criteria. This Section is intended to describe the self-certification criteria required in the FCC’s Supplemental Order Clarification as released on June 2, 2000.

17.2 Loop and Transport Combinations

MCI_m may reconfigure a special access service arrangement to a combination of unbundled Loop and unbundled Dedicated Transport Network Elements when MCI_m provides a “significant amount of local exchange service”. The special access service arrangement must meet the criteria of one of the following options:

17.2.1 Option I Criteria

- 17.2.1.1 MCI_m certifies that it is the exclusive provider of an end user’s local exchange service.
- 17.2.1.2 Each loop-transport combination must terminate at MCI_m’s collocation arrangement in at least one SBC Michigan central office.
- 17.2.1.3 The loop-transport combination is not allowed to be connected to SBC Michigan’s tariffed services other than collocation.

17.2.2 Option II Criteria

- 17.2.2.1 MCI_m certifies that it provides local exchange and exchange access service to the end user customer’s premise, handles at least one third (33 percent) of the end user-customer’s local traffic measured as a percent of total end user customer local dialtone lines, and meets all of the following requirements:
 - 17.2.2.2 For DS-1 circuits and above, at least 50 percent of the activated channels on the loop portion of the loop-transport combination have at least 5 percent local voice traffic individually.
 - 17.2.2.3 The entire loop facility has at least 10 percent local voice traffic.
 - 17.2.2.4 When a loop-transport combination includes multiplexing (e.g., DS-1 multiplexed to DS-3 level), then each of the individual DS-1 circuits must meet the above criteria.

- 17.2.2.5 Each loop-transport combinations must terminate at MCI's collocation arrangement in at least one SBC Michigan central office.
- 17.2.2.6 The loop-transport combination is not allowed to be connected to SBC Michigan's tariffed services other than collocation.

17.2.3 Option III Criteria

- 17.2.3.1 MCI certifies that at least 50 percent of activated channels on the circuit it seeks to reconfigure are used to provide originating and terminating local dialtone service to the end user and meets all of the following requirements:
 - 17.2.3.2 At least 50 percent of the traffic on each of these dialtone channels is local voice traffic.
 - 17.2.3.3 The entire loop facility has at least 33 percent local voice traffic.
 - 17.2.3.4 When a loop-transport combination includes multiplexing (e.g., DS-1 multiplexed to DS-3 level), then each of the individual DS-1 circuits must meet the above criteria.
 - 17.2.3.5 The loop-transport combination is not allowed to be connected to SBC Michigan's tariffed services other than collocation.

17.3 Ongoing Qualification

If MCI becomes aware that the circuit does not meet the certification criteria identified in this Section then it shall, within 10 calendar days, notify SBC Michigan and reconfigure the non-qualifying unbundled loop and transport combination to a special access service arrangement. Where MCI has reconfigured a special access circuit to a unbundled Network Element combination, MCI will take reasonable measures on an ongoing basis to ensure that all certifications remain valid.

17.4 Switched Access and Local Interconnection Trunking

When MCI's switched access trunks ride channelized special access circuits, the switched access trunks must be groomed off of the special access circuit before the special access circuit can be reconfigured. If MCI's switched access trunks ride a switched access higher speed circuit, then the trunks must be groomed off, and the circuit converted to special access before it can be reconfigured.

17.5 Ordering Requirements

SBC Michigan will accept requests to reconfigure existing special access service arrangements to combinations of unbundled Network Elements pursuant to the Ordering requirements set forth in Appendix OSS of this Agreement.

17.6 Rate Application

Charges for the reconfiguration of special access circuits to unbundled Network Elements shall be as set forth in Appendix Pricing of this Agreement.

XDSL

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1 INTRODUCTION

- 1.1 This Appendix xDSL sets forth the (xDSL-Capable Loop offerings), and associated rates, terms and conditions, that SBC Michigan will offer to MCI for MCI to use in conjunction with its desired xDSL technologies and equipment to provision xDSL services to its customers.
 - 1.1.1 MCI may negotiate a separate Broadband Service Agreement offered by SBC Michigan for so long as such Broadband Service Agreement is offered by SBC Michigan. Upon MCI's request for Ameritech Michigan's Broadband Service Agreement, the Parties shall meet to negotiate the rates, terms and conditions for this service.
- 1.2 Nothing in this Appendix xDSL shall constitute a waiver by either Party of any positions it may have taken or will take in any pending regulatory or judicial proceeding or any subsequent interconnection agreement negotiations. This Appendix xDSL also shall not constitute a concession or admission by either Party and shall not foreclose either Party from taking any position in the future in any forum addressing any of the matters set forth herein.
- 1.3 The recognized standards shall include but not be limited to American National Standards Institute (ANSI) standards and those developed within the International Telecommunications Union (ITU).
- 1.4 SBC Michigan shall provide MCI with the UNEs and reporting associated with UNEs, described in this Appendix xDSL in compliance with the performance standards set forth in Appendix Performance Measures of this Agreement and those set forth in CC Docket No. 96-98, *Third Report and Order and Fourth Further Notice of Proposed Rulemaking*, FCC 99-238, (released November 5, 1999), Plan of Record for Pre-Ordering and Ordering of xDSL and other Advanced Services (Plan of Record or POR), the Uniform and Enhanced OSS POR (OSS POR) and any specific state commission or FCC rule, order, or mandated industry standard proceeding.

2 DEFINITIONS

- 2.1 For the purpose of this Appendix xDSL, a Loop and Sub-loop are as defined in Appendix UNE.
- 2.2 A loop technology that is "presumed acceptable for deployment" is one that either complies with existing industry standards, has been successfully deployed by any carrier in any state without significantly degrading the performance of other services, or has been approved by the FCC, any state commission, or an industry standard body. Loop technologies presumed acceptable for deployment include, but are not limited to those referenced in Attachment A.
- 2.3 A "non-standard xDSL-based technology" is a loop technology that is not presumed acceptable for deployment under 2.2. above. Deployment of non-standard xDSL-based technologies are allowed as provided in this Appendix xDSL.
- 2.4 "Continuity" shall be defined as a single, uninterrupted path along a circuit, from the Minimum Point of Entry (MPOE) or other demarcation point to the Point of Interface (POI) located on the horizontal side of the Main Distribution Frame (MDF) or Intermediate Distribution Frame (IDF)

- 2.5 Digital Subscriber Loop or “xDSL” describes loops, which may support various technologies and services over all-copper loops or Fiber-Fed DLC configurations. The ‘x’ in xDSL is a placeholder for the various types of DSL services, including, but not limited to ADSL (Asymmetric Digital Subscriber Line), HDSL (High-bit rate Digital Subscriber Line), HDSL2 (high bit rate digital subscriber line 2-wire), IDSL (ISDN Digital Subscriber Line), SDSL (Symmetrical Digital Subscriber Line), UDSL (Universal Digital Subscriber Line), VDSL (Very High-Speed Digital Subscriber Line), RADSL (Rate-Adaptive Digital Subscriber Line), MVL (multiple virtual lines), and G.Lite.
- 2.6 “Fiber-Fed DLC” consists of an all-copper pair from the End-User demarcation location to a Remote Terminal and fiber from the Remote Terminal to MCI’s designated point of interconnection.

3 GENERAL TERMS AND CONDITIONS RELATING TO XDSL CAPABLE LOOPS

- 3.1 SBC Michigan agrees to provide copper and Fiber-Fed DLC loops and subloops for MCI to deploy xDSL technologies presumed acceptable for deployment or non-standard xDSL technology as defined in this Appendix xDSL. SBC Michigan will provision UNEs at least equal in performance and quality with what it provides to itself, or to an affiliate or subsidiary. SBC Michigan will not impose limitations on the transmission speeds of xDSL services; provided, however, SBC Michigan does not guarantee transmission speeds, available bandwidth nor imply any service level.
- 3.2 MCI’s use of any SBC Michigan network element, or of its own equipment or facilities in conjunction with any SBC Michigan network element, will not materially interfere with or impair service over any facilities of SBC Michigan, its affiliated companies or connecting and concurring carriers involved in SBC Michigan services, cause damage to SBC Michigan’s plant, impair the privacy of any communications carried over SBC Michigan’s facilities or create hazards to employees or the public. Upon reasonable written notice and after a reasonable opportunity to cure, SBC Michigan may discontinue or refuse service if MCI violates this provision, provided that such termination of service will be limited to MCI’s use of the element(s) causing the violation. SBC Michigan will not disconnect the elements causing the violation if, after receipt of written notice and opportunity to cure, MCI demonstrates that their use of the network element is not the cause of the network harm. If SBC Michigan does not believe MCI has made the sufficient showing of harm, or if MCI contests the basis for the disconnection, either Party must first submit the matter to dispute resolution as described in the General Terms and Conditions Appendix of this Agreement. Any claims of network harm by SBC Michigan must be supported with specific and verifiable supporting information.
- 3.3 SBC Michigan shall not impose its own standards for provisioning xDSL services, through Technical Publications or otherwise, until and unless approved by the Commission or the FCC prior to use. However, SBC Michigan will publish non-binding Technical Publications to communicate current standards and their application as set forth in CC Docket No. 98-147, *First Report and Order and Further Notice of Proposed Rulemaking*, FCC 99-48, (rel. March 31, 1999).
- 3.4 Each Party reserves its right to contest whether any xDSL service is subject to the resale and unbundling requirements of federal and state law.
- 3.5 The provision of DSL services is subject to a variety of technical constraints, including loop length and the current design of the loop, which must be free of excessive bridged taps, and loading coils. In addition, clear spectral compatibility standards and spectrum

management rules and practices are necessary to ensure the quality, integrity, and reliability of SBC Michigan's network and its existing services.

- 3.6 To ensure spectral compatibility, industry standards bodies such as American National Standards Institute (ANSI) have developed or are in the process of developing Power Spectrum Density (PSD) mask standards to enable multiple technologies to coexist within binder groups. The Parties shall abide by the FCC and/or T1E1.4 spectral management rules and guidelines pertinent for the designated PSD mask type at all times.

3.7 Liability

- 3.7.1 Notwithstanding any other provision of this Appendix, each Party, whether MCI or SBC Michigan, agrees that should it cause any non-standard xDSL technologies to be deployed or used in connection with or on SBC Michigan facilities, the Party ("Indemnifying Party") will pay all costs associated with any damage, service interruption or other telecommunications service degradation, or damage to the other Party's ("Indemnitee") facilities. Notwithstanding any other provision of this Appendix, each Party ("Indemnifying Party") shall release, defend and indemnify the other Party ("Indemnitee") and hold Indemnitee harmless against any loss, or claim made by the Indemnifying Party's end-user, arising out of the negligence or willful misconduct of the Indemnitee, its agents, its end users, contractors, or others retained by such Party, in connection with Indemnitee's provision of splitter functionality under this Appendix.

3.8 Indemnification

- 3.8.1 Covered Claim: Notwithstanding any other provisions of this Appendix, each Party ("Indemnifying Party") will release, indemnify, defend and hold harmless the other Party ("Indemnitee") from and against any loss, liability, claim, or damage, including but not limited to direct, indirect or consequential damages, made against Indemnitee by any telecommunications service provider or telecommunications user (other than claims for damages or other losses made by an end user customer of Indemnitee for which Indemnitee has sole responsibility and liability) caused, in whole or substantial part, by the use of non-standard xDSL technologies by the Indemnifying Party, or by the Indemnifying Party's provision of splitter functionality under this Appendix, or the Indemnifying Party's (i.e., MCI's) retention of the loop used to provide the HFPL when the end user terminates voice service from Indemnitee (i.e., SBC Michigan) and Indemnitee is requested by another telecommunications service provider to provide a voice grade service or facility to the end user customer.
- 3.8.2 Indemnifying Party is permitted to fully control the defense or settlement of any Covered Claim, including the selection of defense counsel. Notwithstanding the foregoing, the Indemnifying Party will consult with Indemnitee on the selection of defense counsel and consider any applicable conflicts of interest. Indemnifying Party is required to assume all costs of the defense and any loss, liability, claim or damage indemnified pursuant to Section 3.7.1 above and Indemnitee will bear no financial or legal responsibility whatsoever arising from such claims.
- 3.8.3 Indemnitee agrees to fully cooperate with the defense of any Covered Claim. Indemnitee will provide written notice to the Indemnifying Party of any Covered Claim at the address for notice set forth herein within ten days of receipt, and, in the case of receipt of service of process, will deliver such process to the Indemnifying Party not later than ten (10) business days prior to the date for

response to the process. Indemnitee will provide to Indemnifying Party reasonable access to or copies of any relevant physical and electronic documents or records related to the deployment of non-standard xDSL technologies in the area affected by the claim, or the Indemnifying Party's provision of splitter functionality under this Appendix, all other documents or records determined to be discoverable, and all other relevant documents or records that defense counsel may reasonably request in preparation and defense of the Covered Claim. Indemnitee will further cooperate with the Indemnifying Party's investigation and defense of the Covered Claim by responding to the reasonable requests to make its employees with knowledge relevant to the Covered Claim available as witnesses for preparation and participation in discovery and trial during regular weekday business hours. Indemnitee will promptly notify the Indemnifying Party of any settlement communications, offers or proposals received from claimants.

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

4 xDSL LOOP OFFERINGS

- 4.1 All conditioning shall be performed at the sole discretion and request of MCI. In addition, the loop should be provisioned to meet basic electrical standards such as metallic conductivity and capacitive and resistance balance. Use of shielded cross connect cable for ADSL will be at the option of MCI.
- 4.2 For each loop described below, MCI will at the time of ordering, notify SBC Michigan as to the Power Spectrum Density (PSD) mask of the technology that MCI will deploy. If and when a change in PSD mask is made, MCI will immediately notify SBC Michigan. Likewise, SBC Michigan will disclose to MCI, upon request, information with respect to the number of loops using advanced service technology within the binder and the type of technology employed on those loops. SBC Michigan will use the PSD provided by MCI for the sole purpose of maintaining an inventory of advanced services present in the cable sheath. If the technology does not fit within a national standard PSD mask, MCI shall provide SBC Michigan with a technical description of the technology including power masks for inventory purposes.
- 4.3 A 2-wire xDSL loop is a copper loop over which MCI may provision various DSL technologies. A copper loop used for such purposes will meet basic electrical standards such as metallic connectivity and capacitive and resistive balance, and will not include load coils, mid-span repeaters or excessive bridged tap (bridged tap in excess of 2,500 feet in length) for loops 12,000 feet or less. However removal of load coils, repeaters or excessive bridge taps on an existing loop length greater than 12,000 feet is optional, subject to condition charges, and will be performed at MCI's request. The rates set forth in Appendix Pricing shall apply.

- 4.4 A 2-Wire Digital Loop for purposes of this section is 160Kbps and supports Basic Rate ISDN (BRI) digital exchange services. The terms and conditions for the 2-Wire Digital Loop are set forth in the Appendix UNE and the rates in the Appendix Pricing.
- 4.5 A 4-Wire xDSL loop for purposes of this section is a copper loop over which MCI may provision DSL Technologies. A copper loop used for such purposes will meet basic electrical standards such as metallic connectivity and capacitive and resistive balance, and will not include load coils, mid-span repeaters or excessive bridged tap (bridged tap in excess of 2,500 feet in length) for loops 12,000 feet or less. However, removal of load coils, repeaters or excessive bridged tap on an existing loop length greater than 12,000 feet is optional, subject to condition charges, and will be performed at MCI's request. The rates set forth in Appendix Pricing shall apply to this 4-Wire xDSL loop.

5 LOOP TECHNOLOGY PRESUMED ACCEPTABLE FOR DEPLOYMENT

SBC Michigan shall not deny MCI's request to deploy any loop technology that is presumed acceptable for deployment by MCI, unless it has been demonstrated by SBC Michigan to the Commission in accordance with FCC orders that MCI's deployment of the specific loop technology will significantly degrade the performance of other advanced services or traditional voice band services. For the purpose of this section, "significantly degrade" means to noticeably impair a service from a user's perspective as caused by technology. In the event that MCI wishes to introduce a new technology that does not conform to existing industry standards, and has not been approved by an industry standards body, the FCC, or a state commission. MCI shall provide documentation that demonstrates that its proposed deployment meets the threshold for presumption of acceptability. The documentation should include the date of approval or deployment, any limitations included in its deployment, and a sworn attestation that the deployment did not significantly degrade the performance of other services. In the event that MCI wishes to introduce a technology that has been approved by another state commission or the FCC, or successfully deployed elsewhere, MCI will provide documentation describing that action to SBC Michigan and the Commission before or at the time of its request to deploy such technology within SBC Michigan. The documentation should include the date of approval or deployment, any limitations included in its deployment, and a sworn attestation that the deployment did not significantly degrade the performance of other services. In the event that SBC Michigan rejects a request by MCI for provisioning of advanced services, SBC Michigan will disclose to MCI information with respect to the number of loops using advanced services technology within the binder and type of technology deployed on those loops, including the specific reason for the denial, within three to five (3-5) days of the denial.

- 5.1 If loop technology is deployed without significant degradation for twelve (12) months, or industry standards for the technology are established, whichever occurs first, the Parties should consider the technology to be presumed acceptable for deployment and treated accordingly. If there is dispute as to the successful deployment of the technology, either Party may submit the dispute for resolution under the Dispute Resolution procedures set forth in this Agreement.
- 5.1.1 For the twelve (12) month period following the approval of this Agreement by the Commission, MCI may order loops other than those loop technologies presumed acceptable for deployment for the provision of service in SBC Michigan on a trial basis, without the need to make any showing to the Commission. Each technology trial will not be deemed successful until it has been deployed without significant degradation caused by the technology for twelve (12) months or until industry standards have been established, whichever occurs first. Upon request by MCI, SBC Michigan shall cooperate with MCI in the testing and deployment (i.e., field trial) of new xDSL technology.

- 5.1.2 If MCIIm can demonstrate to the Commission that the loop technology will not significantly degrade the performance of other advanced services or traditional voice band services, SBC Michigan will not deny MCIIm's right to deploy new loop technologies that do not conform to the industry standards and have not yet been approved by a standards body (or otherwise authorized by the FCC, any state Commission or which have not been successfully deployed by any carrier without significantly degrading the performance of other services).
 - 5.1.3 SBC Michigan shall offer HFPL and/or xDSL-capable Loops in parity with that provided to itself, its Affiliates or other CLECs.
- 5.2 If it is demonstrated that the new xDSL technology will not significantly degrade the other advanced services or traditional voice based services, SBC Michigan will provide a loop to support the new technology for MCIIm as follows:
 - 5.2.1 If the technology requires the use of a 2-Wire or 4-Wire loop that meets the engineering design criteria of a 2-Wire or 4-Wire loop already provisioned by SBC Michigan, then SBC Michigan will provide MCIIm a loop capable of supporting the new xDSL technology at the same rates listed for the appropriate 2-Wire and 4-Wire loops and associated loop conditioning as needed.
 - 5.2.2 In the event that a xDSL technology requires a loop type that differs from the engineering design criteria of a 2-Wire or 4-Wire xDSL loop already provisioned by SBC Michigan, the Parties shall expend diligent efforts to arrive at an agreement as to the rates, terms and conditions for an unbundled loop capable of supporting the proposed xDSL technology and infrastructure. If negotiations fail, any dispute between the Parties concerning the rates, terms and conditions for an unbundled loop capable of supporting the proposed xDSL technology shall be resolved pursuant to the dispute resolution process.
- 5.3 If a Party claims that a service is significantly degrading the performance of other advanced services or traditional voice band services, then that Party must notify the other Party and allow the other Party a reasonable opportunity to correct the problem. Any claims of network harm must be supported with specific and verifiable supporting information. In the event that a Party demonstrates to the Commission that a deployed technology is significantly degrading the performance of other advanced services or traditional voice band services, the other Party shall discontinue deployment of that technology and migrate its customers to technologies that will not significantly degrade the performance of other such services.
- 5.4 Sub-Loop: In locations where SBC Michigan has deployed: (1) Digital Loop Carrier systems and an uninterrupted copper loop is replaced with a fiber segment or shared copper in the distribution section of the loop (2) Digital Added Main Line ("DAML") technology or (3) entirely fiber optic facilities to the end user customer, SBC Michigan will make the following options available to MCIIm:
 - 5.4.1 Where spare or dead count copper facilities are available, and the facilities meet the necessary technical requirements for the provisioning of DSL, MCIIm has the option of requesting SBC Michigan to make copper facilities available.
 - 5.4.2 MCIIm has the option of collocating a DSLAM in, or adjacent to SBC Michigan's Remote Terminal ("RT") at the fiber/copper interface point, pursuant to collocation terms and conditions. When MCIIm collocates its DSLAM at, or adjacent to, SBC Michigan's RTs, SBC Michigan will provide MCIIm with

unbundled access to subloops to allow MCI to access the copper wire portion of the loop.

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

6 PROVISIONING

- 6.1 SBC Michigan will not guarantee that the local loop(s) ordered will perform as desired by MCI for xDSL-based services, but will guarantee, at the time of installation, basic metallic loop parameters, including continuity and pair balance. MCI requested testing by SBC Michigan beyond these parameters would be billed on a time and materials basis at the applicable tariffed rates or as stated in the Interconnection Agreement. On loops where MCI has not specifically requested that conditioning be performed, SBC Michigan maintenance will be limited to verifying loop suitability based on POTS design. For loops having had partial or extensive conditioning performed at MCI's request, SBC Michigan will verify continuity, the completion of all requested conditioning, and will repair at no charge to MCI any gross defects which would be unacceptable based on current POTS design criteria and which do not result from the loop's modified design. For loops under 12,000 feet, SBC Michigan will remove load coils, repeaters, and excessive bridged taps at no charge to MCI. Provisioning shall include conditioning (i.e., removal of load coils, repeaters, or excessive bridged taps) for xDSL loops less than 12,000 feet and any conditioning requested by MCI for loops greater than 12,000 feet.
- 6.2 "Proof of Continuity" performed during Acceptance Testing shall be determined by performing a physical fault test, from the MPOE or other demarcation point to the POI located on the horizontal side of the MDF by providing a short across the circuit on the tip and ring, and registering whether it can be received at the far end. The loop will be tested to meet basic metallic loop parameters, pair balance, and electrical characteristics such as electrical conductivity and capacitive and resistive balance. Internal test performed by SBC Michigan at the Central Office during the provision process shall be done at no charge to MCI. SBC Michigan is not required to provide the results of this internal test to MCI.
- 6.3 SBC Michigan shall provide Acceptance Testing as outlined in Section 9 of this Appendix xDSL.
- 6.4 MCI shall designate, at MCI's sole option, what loop conditioning SBC Michigan is to perform in provisioning the xDSL loop(s) and subloop(s) on the loop order. Conditioning may be ordered on loop(s) and subloop(s) of any length at the Loop conditioning rates set forth in the Appendix Pricing. The loop and subloop will be provisioned to meet the basic metallic and electrical characteristics such as electrical conductivity and capacitance and resistive balance. The provisioning intervals are applicable to every xDSL loop regardless of the loop length. The Parties will meet to negotiate and agree upon subloop provisioning intervals.
- 6.5 The provisioning and installation interval for xDSL-capable loops where no conditioning is requested (including outside plant rearrangements that involve moving a working service to an alternate pair as the only possible solution to provide a DSL-capable loop) on orders for 1-20 loops per order or per end user customer location, will be 3-5 business

days, or the provisioning and installation interval applicable to SBC Michigan's tariffed xDSL-based services, or its affiliate's, whichever is shorter.

- 6.6 The provisioning and installation intervals for xDSL-capable loops, where conditioning is requested or outside plant rearrangements are necessary, as defined above, on orders for 1-20 loops per order or per end user customer location, will be ten (10) business days, or the provisioning and installation interval applicable to SBC Michigan's tariffed xDSL-based services or its affiliate's xDSL-based services where conditioning is required, whichever is shorter. In the event MCI's end user customer require conditioning during non-working hours, the due date may be adjusted consistent with end user customer release of circuit and out-of-hours charges may apply.
- 6.7 Orders for more than 20 loops per order or per end user customer location, where no conditioning is requested will have a provisioning and installation interval of ten (10) business days, or as agreed upon by the Parties. In the event MCI's end user customer require conditioning during non-working hours, the due date may be adjusted consistent with end user customer release of circuit and out-of-hours charges may apply.
- 6.8 Orders for more than 20 loops per order which require conditioning will have a provisioning and installation interval agreed by the Parties in each instance.
- 6.9 Subsequent to the initial order for a xDSL capable loop, subloop, additional conditioning may be requested on such loop(s) at the rates set forth in the Appendix Pricing and the applicable service order charges will apply; provided, however, when requests to add or modify conditioning are received for a pending xDSL capable loop(s) order, no additional service order charges shall be assessed, but the due date may be adjusted if necessary to meet standard offered provisioning intervals. The provisioning interval for additional requests for conditioning pursuant to this subsection will be the same as set forth above.
- 6.10 MCI, at its sole option, may request shielded cabling between network elements and frames within the central office for use with 2-wire xDSL loop when used to provision ADSL over a DSL-capable loop provided for herein at the rates set forth in the Appendix Pricing. Tight Twist cross-connect wire will be used on all identified DSL services on all central office frames.
- 6.11 Intentionally Omitted.

7 SERVICE QUALITY AND MAINTENANCE

- 7.1 Maintenance, other than assuring loop continuity and balance, on unconditioned or partially conditioned loops greater than 12,000 will only be provided on a time and material basis as set out elsewhere in this Agreement. On loops where MCI has requested that no conditioning be performed, SBC Michigan's maintenance will be limited to verifying loop suitability based on POTS design criteria (TR-60, 1999). For loops having had partial or extensive conditioning performed at MCI's request, SBC Michigan will verify continuity, the completion of all requested conditioning, and will repair at no charge to MCI any gross defects which would be unacceptable based on current POTS design criteria and which do not result from the loop's modified design. For loops under 12,000 feet, SBC Michigan will remove load coils, repeaters, and excessive bridged taps at no charge to MCI. Provisioning shall include conditioning (i.e., removal of load coils, repeaters, or excessive bridged taps) for xDSL loops less than 12,000 feet and any conditioning requested by MCI for loops greater than 12,000 feet.

- 7.2 SBC Michigan will provide MCIIm with timely and efficient remote test access capability and operational support necessary to isolate troubles on equipment and facilities used to provide Advanced Services. SBC Michigan must either provide physical test access at the point where splitting of high frequency spectrum and the voice service occurs or provide a mutually agreeable remote test access alternative (i.e., MLT or equivalent). SBC Michigan shall be responsible for maintenance and repair of any equipment or facilities that it deploys. SBC Michigan shall cooperate with MCIIm (and any MCIIm authorized Advanced Services Provider as set forth herein) for the purposes of sectionalizing, diagnosing and otherwise resolving trouble reported or detected on these facilities.
- 7.3 SBC Michigan and MCIIm agree to coordinate in good faith any testing, repair and maintenance that will significantly impact service provided by the other Party. MCIIm may request cooperative testing. If trouble occurs with unbundled Network Elements provided by SBC Michigan, MCIIm will first determine whether the trouble is in MCIIm's own equipment and/or facilities or those of the end user customer. If MCIIm determines the trouble is in SBC Michigan's equipment and/or facilities, MCIIm will issue a trouble ticket to SBC Michigan.
- 7.4 A Party will pay Time and Material charges when the other Party dispatches personnel to the end user customer's demarcation, central office or remote terminal, and the trouble was not caused by the dispatching Party. These charges will include all technicians dispatched, including technicians dispatched to other locations for purposes of testing.

8 SPECTRUM MANAGEMENT

SBC Michigan agrees that MCIIm's order for xDSL-capable Loops will not be delayed by any lack of availability of a specific binder group or "spectrum exhaust." If SBC Michigan initiates a reconfiguration of loops into a different binder group, it shall do so in a competitively neutral manner consistent with all relevant industry standards and at no cost to MCIIm.

- 8.1 SBC Michigan agrees that as a part of spectrum management, it will maintain an inventory of the existing services provisioned on the cable. SBC Michigan will use commercially reasonable efforts to assign loops so as to minimize interference between and among advanced services, including xDSL-based services, and other services. SBC Michigan will not use Selective Feeder Separation (SFS) and will remove any restrictions imposed by it on use of loops for non-ADSL xDSL services. SBC Michigan will not deny any loops on the basis of binder group management designations or business rules, or limit the deployment of xDSL services to certain pair ranges (with the exception of binder groups containing AMI T1 services). SBC Michigan may not segregate xDSL technologies into designated binder groups without specific state commission review and approval, or approved industry standard. Where SBC Michigan has already implemented binder group management or reserved loop complements, it must open those binder groups to all xDSL services and all xDSL providers. SBC Michigan shall not deny MCIIm a loop based upon spectrum management issues. In all cases, SBC Michigan will manage the spectrum in a competitively neutral manner consistent with all relevant industry standards regardless of whether the service is provided by MCIIm or by SBC Michigan as well as competitively neutral as between different xDSL services. Where disputes arise, SBC Michigan and MCIIm will put forth a good faith effort to resolve such disputes in a timely manner. As a part of the dispute resolution process, SBC Michigan will, upon request from MCIIm, disclose within 3-5 days information with respect to the number of loops using advanced services technology within the binder group and the type of technology deployed on those loops so that the involved Parties may examine the deployment of services within the affected loop plant. If there is any dispute between the Parties with respect to this Section, SBC Michigan will not deny the loop(s), but will

continue to provision the loop(s) until the dispute is resolved in accordance with the dispute resolution procedures set forth in this Agreement.

- 8.2 In the event that a loop technology without industry standards for spectrum management is deployed, SBC Michigan, MCI and the specific state commission shall jointly establish long-term competitively neutral spectral compatibility standards and spectrum management rules and practices so that all carriers know the rules for loop technology deployment. The standards, rules and practices shall be developed to maximize the deployment of new technologies within binder groups while minimizing interference, and shall be forward-looking and able to evolve over time to encourage innovation and deployment of advanced services based on the FCC, T1E1.4, and ITU spectral management rules and guidelines. These standards are to be used until such time as industry standards exist. When MCI offers xDSL-based service consistent with mutually agreed-upon standards developed by the industry in conjunction with the specific state commission, or by the specific state commission in the absence of industry agreement, it may order local loops based on agreed-to performance characteristics. SBC Michigan will assign the local loop consistent with the agreed-to spectrum management standards.
- 8.3 In the event that the FCC or the industry establishes long-term standards and practices and policies relating to spectrum compatibility and spectrum management that differ from those established in this Appendix xDSL, SBC Michigan and MCI agree to comply with the FCC and/or industry standards, practices and policies and will establish a mutually agreeable transition plan and timeframe for achieving and implementing such industry standards, practices and policies. In the event of a conflict between industry standards and standards promulgated by the FCC, the FCC standards shall control.
- 8.4 Within ninety (90) days after general availability of equipment conforming to industry spectrum management standards or the mutually agreed upon standards developed by the industry in conjunction with the specific state commission or FCC, if SBC Michigan and/or MCI is providing xDSL technologies or other Advanced Services for which there is no spectrum management standard, then SBC Michigan and/or MCI must begin the process of bringing its deployed xDSL technologies and equipment into compliance with such new standards at its own expense. If the development of these procedures is not completed within ninety (90) days after MCI's request to develop these procedures, SBC Michigan and MCI will jointly seek expedited resolution by the Commission of all remaining issues.

9 ACCEPTANCE TESTING

- 9.1 SBC Michigan and MCI agree to implement Acceptance Testing during the provisioning cycle for xDSL loop delivery.
- 9.2 Should MCI desire Acceptance Testing, it shall request such testing on a per xDSL loop basis upon issuance of the Local Service Request (LSR). Acceptance Testing will be conducted at the time of installation of the service request.
- 9.2.1 If the LSR was placed without a request for Acceptance Testing, and MCI should determine that it is desired or needed during any subsequent phase of provisioning, the request may be added at any time; however, this may cause a new standard due date to be calculated for the service order.
- 9.3 Acceptance Testing Procedure:

- 9.3.1 Upon delivery of a loop to/for MCI, SBC Michigan's field technician will call the LOC and the LOC tester will call a toll free number provided by MCI to initiate performance of a series of Acceptance Tests.
- 9.3.1.1 For 2-wire digital loops that are not provisioned through repeaters or digital loop carriers, the SBC Michigan field technician will provide a solid short across the tip and ring of the circuit and then open the loop circuit.
- 9.3.1.2 For 2-wire digital loops that are provisioned through repeaters or Digital Loop Carrier, the SBC Michigan field technician will not perform a short or open circuit due to technical limitations.
- 9.3.2 If the loop passes the "Proof of Continuity" parameters, as defined by this Appendix for DSL loops, MCI will provide SBC Michigan with a confirmation number and SBC Michigan will complete the order. MCI will be billed for the Acceptance Test as specified below under Acceptance Testing Billing at the applicable rates as set forth in Appendix Pricing.
- 9.3.3 If the Acceptance Test fails loop Continuity Test parameters, as defined by this Appendix for DSL loops, the LOC technician will take any or all reasonable steps to immediately resolve the problem with MCI on the line including, but not limited to, calling the central office to perform work or troubleshooting for physical faults. If the problem cannot be resolved in an expedient manner, the technician will release the MCI representative, and perform the work necessary to correct the situation. Once the loop is correctly provisioned, SBC Michigan will re-contact the MCI representative to repeat the Acceptance Test. When the aforementioned test parameters are met, MCI will provide SBC Michigan with a confirmation number and SBC Michigan will complete the order. If MCI xDSL service does not function as desired, yet test parameters are met, SBC Michigan will still close the order. SBC Michigan will not complete an order that fails Acceptance Testing.
- 9.3.4 Until such time as MCI and SBC Michigan agree, or industry standards establish, that their test equipment can accurately and consistently send signals through repeaters or Digital Loop Carriers, MCI agrees to accept 2-wire digital loops, designed with such reach extenders, without testing the complete circuit. Consequently, SBC Michigan agrees that should MCI open a trouble ticket and an SBC Michigan network fault be found by standard testing procedures on such a loop within ten (10) business days (in which it is determined by standard testing to be an SBC Michigan fault), SBC Michigan, upon MCI request, will adjust MCI's bill to refund the recurring charge of such a loop until the fault has been resolved and the trouble ticket is closed.
- 9.3.5 Intentionally Omitted.
- 9.3.6 If, however, a trouble ticket is opened on the loop within twenty-four (24) hours and the trouble resulted from SBC Michigan error as determined through standard testing procedures, MCI will be credited for the cost of the Acceptance Test. Additionally, MCI may request SBC Michigan to re-perform the Acceptance Test at the conclusion of the repair phase again at no charge. This loop will not be counted as a successful completion for the purposes of the calculations discussed below.
- 9.3.7 Both Parties declare they will work together, in good faith, to implement Acceptance Testing procedures that are efficient and effective. If the Parties mutually agree to additional testing, procedures and/or standards not covered by

this Appendix or any Public Utilities Commission or FCC ordered tariff, the Parties will negotiate terms and conditions to implement such additional testing, procedures and/or standards. Additional charges may apply if any accepted changes in Acceptance Testing procedures require additional time and/or expense.

9.4 Acceptance Testing Billing

9.4.1 MCIIm will be billed for Acceptance Testing upon the effective date of this Appendix for loops that are installed correctly by the committed interval without the benefit of corrective action due to acceptance testing. In any calendar month after the first sixty (60) days of the agreement, MCIIm may indicate that it believes that SBC Michigan is failing to install loops that are acceptable under the terms and definitions of this Appendix.

9.4.1.1 SBC Michigan will perform an unbiased random sampling of MCIIm's service orders (or any other statistically robust or mutually acceptable sampling process). If the sampling establishes that SBC Michigan is correctly provisioning loops with continuity and ordered conditioning ninety percent (90%) of the time over any two (2) month period of time, SBC Michigan may continue charging for Acceptance Testing for all. If the sampling results show that SBC Michigan is not correctly provisioning loops ninety percent (90%) of the time, or greater, SBC Michigan may then perform a comprehensive analysis of the population.

9.4.1.2 If the sampling results from above show that SBC Michigan is in non-compliance with the conditioning success rate, as defined in this Appendix, then MCIIm will not be billed for Acceptance Testing for the next sixty (60) days. When and if necessary, the Parties will negotiate, in good faith, to determine a mutually acceptable method for random sampling; however, orders placed within the first thirty (30) days of MCIIm's entry into any Metropolitan Statistical Area ("MSA") shall be excluded from any sampling population, whether random or comprehensive.

9.4.1.3 In any calendar month after the sixty (60) day no-charge period for Acceptance Testing, SBC Michigan may request another random sampling of orders, using the mutually acceptable random sampling method, as negotiated above, be performed to determine whether SBC Michigan can show compliance with the minimum success rates, as defined above. If the sampling result show SBC Michigan is again in compliance, billing for Acceptance Testing shall resume.

9.4.1.4 Regardless of whether SBC Michigan is in the period in which it may bill for Acceptance Testing, it will not bill for the Acceptance Testing for loop installs that did not pass the test parameters, as defined by this Appendix. SBC Michigan will not bill for loop repairs when the repair resulted from an SBC Michigan problem.

10 INTENTIONALLY OMITTED

11 RATES

11.1 See Appendix Pricing. Loop conditioning for loops of 12,000 feet or less are at no charge.

11.2 The charges for Acceptance Testing shall be as provided in Appendix Pricing.

12 INTENTIONALLY OMITTED

13 OSS

- 13.1 General: SBC Michigan will provide MCIIm with nondiscriminatory access by electronic or manual means, to its loop makeup information set forth in its Plan of Record. In the interim, loop makeup data will be provided as set forth below. In accordance with the FCC's UNE Remand Order, MCIIm will be given nondiscriminatory access to the same loop makeup information that SBC Michigan is providing any other CLEC and/or SBC Michigan's retail operations or its advanced services affiliate.
- 13.2 Loop Pre-Qualification: SBC Michigan's pre-qualification will provide a near real time response to MCIIm queries. Until replaced with OSS access as provided herein, SBC Michigan will provide mechanized access to a loop length indicator via Verigate and DataGate in regions where Verigate/DataGate are generally available for use with xDSL-based, HFPL, or other advanced services. The loop length is an indication of the approximate loop length, based on a 26-gauge equivalent and is calculated on the basis of Distribution Area distance from the central office. This is an optional service to MCIIm and is available at no charge.
- 13.3 Loop Qualification. SBC Michigan's pre-ordering will provide a near-real time response to MCIIm queries. SBC Michigan will provide mechanized access to actual loop make-up information, where this information is contained in SBC Michigan's electronic databases, via Verigate, DataGate, EDI and CORBA for use with xDSL-based, HFPL, or other advanced services. Where actual loop make-up information is not available, SBC-12STATE will provide designed loop provisioning information via Verigate, DataGate, EDI and CORBA. Loop make-up information includes, but is not limited to, information listed herein. Loop pre-qualification is optional and available at no charge. However, loop qualification is not optional for loops over 12,000 feet. Appropriate charges, if any, for loop make-up information is set forth in the Appendix Pricing. As more particularly described below, this loop makeup information will be categorized by three separate pricing elements: mechanized, manual, or detailed manual.
- 13.4 Mechanized loop qualification includes data that is available electronically and provided via an electronic system. Electronic access to loop makeup data through the OSS enhancements described above will return information in all fields described in SBC's Plan of Record when such information is contained in SBC Michigan's electronic databases. MCIIm will be billed a mechanized loop qualification charge for each xDSL capable loop order submitted at the rates set forth in Appendix Pricing.
- 13.5 Manual loop qualification requires the manual look-up of data that is not contained in an electronic database. Manual loop makeup data includes the following: (a) the actual loop length; (b) the length by gauge; (c) the presence of repeaters, load coils, bridged taps; and shall include, if noted on the individual loop record, (d) the total length of bridged taps; (e) the presence of pair gain devices, DLC, and/or DAML, and (f) the presence of disturbers in the same and/or adjacent binder groups. MCIIm will be billed a manual loop qualification charge for each manual loop qualification requested at the rates set forth in Appendix Pricing.
- 13.6 Detailed manual loop qualification includes all fields as described in SBC's Plan of Record, including the fields described in fields above. MCIIm will be billed a detailed

manual loop qualification charge for each detailed manual loop qualification requested at the rates set forth in Appendix Pricing.

- 13.7 Loop qualification is subject to the following:
- 13.7.1 If load coils, repeaters or excessive bridged tap are present on a loop less than 12,000 feet in length, conditioning to remove these elements will be performed without request and at no charge to MCI.
 - 13.7.2 If MCI elects to have SBC Michigan provide loop makeup through a manual process for information not available electronically, then the loop qualification interval will be not more than five (5) business days, or the interval provided to any SBC Michigan affiliate, whichever is less.
 - 13.7.3 If the results of the loop qualification indicate that conditioning is available, MCI may request that SBC Michigan perform conditioning at charges set forth in Appendix Pricing. MCI may order the loop without conditioning or with partial conditioning if desired.
 - 13.7.4 For HFPL, if MCI's requested conditioning will degrade the customer's analog voice service, SBC Michigan is not required to condition the loop. However, should SBC Michigan refuse MCI's request to condition a loop, SBC Michigan will make an affirmative showing to the Commission that conditioning the specific loop in question will significantly degrade voice band services.

14 LOOP MAKEUP

- 14.1 If MCI elects to have SBC Michigan provide loop make-up data through a manual process for information not available electronically, then the loop qualification interval will be no more than five (5) business days, or the interval provided to SBC Michigan's affiliate, whichever is less.
- 14.2 The Parties agree that in accordance with FCC requirements and Advanced Services POR collaboratives, SBC Michigan will provide MCI with non-discriminatory access to SBC Michigan's loop make-up information in accordance with UNE Remand (See Third Report and Order and Fourth Further Notice of Proposed Rulemaking, entered In The Matter of the Local Competition Provisions of the Telecommunications Act of 1996, (FCC 99-238) (released November 5, 1999), CC Docket No. 96-98, including its Supplemental Order Clarification (FCC 00-183) (released June 2, 2000) in CC Docket 96-98). As provided for therein, the loop qualification data elements provided by SBC Michigan shall be provided at parity with what SBC Michigan provides itself, its Affiliates and other CLECs and shall include but not limited to the following fields:
 - 14.2.1 Loop length
 - 14.2.2 Loop length by segment
 - 14.2.3 Length by gauge
 - 14.2.4 26 gauge equivalent loop length (calculated)
 - 14.2.5 Presence of load coils
 - 14.2.6 Quality of load coils (if applicable)
 - 14.2.7 Presence of bridged taps
 - 14.2.8 Length of bridged taps (if applicable)
 - 14.2.9 Presence of pair gain devices, DLC, and/or DAML
 - 14.2.10 Qualification status of the loop based on specified PSD, if no PSD class is specified, the default PSD is class 5 (ADSL)
 - 14.2.11 Presence of repeaters

- 14.2.12 Location of repeaters
- 14.2.13 Type of repeaters
- 14.2.14 Quantity of repeaters
- 14.2.15 Type of Plant (aerial or buried)
- 14.2.16 Type of Loop (copper or fiber)
- 14.2.17 Portion that is copper or fiber
- 14.2.18 Length that is copper or fiber
- 14.2.19 Availability of spare facilities
- 14.2.20 Quantity of bridged tap by occurrence
- 14.2.21 Location of bridged tap by occurrence
- 14.2.22 Quantity of Low pass filters
- 14.2.23 Location of Low pass filters
- 14.2.24 Quantity of Range extenders
- 14.2.25 Location of Range extenders
- 14.2.26 Number of gauge changes
- 14.2.27 Location of pair gain devices
- 14.2.28 Location of DLC
- 14.2.29 Quantity of DLCs
- 14.2.30 Location of RSU (Remote Switching Unit)
- 14.2.31 Type of RSU (Remote Switching Unit)
- 14.2.32 Resistance Zone

Attachment A

xDSL Technologies Presumed Acceptable for Deployment

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

The following technologies currently have a national standard in place:

Technology	Standard
ADSL	T1E1 LB869 (T1E1.4/2000-002R3)/ANSI T1.413 1998 (Issue 2) FDM/ITU 992.1
SDSL	(2B1Q) ANSI TR.28/ ITU 991.1
IDSL	ANSI T1.601
HDSL	ANSI TR28/ITU 991.1
HDSL2 VDSL RADSL	ANSI T1.413 1998 (Issue 2)
MVL	
G.Lite	

The following technologies have been successfully deployed with no apparent degradation of the performance of other services although speeds are not guaranteed by SBC Michigan.

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

800 DATABASE

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1 INTRODUCTION

- 1.1 This Appendix sets forth the terms and conditions for access to the Toll Free Calling Database provided by SBC Michigan to MCIIm.

2 DESCRIPTION

- 2.1 Intentionally Omitted.
- 2.2 The Toll Free Calling Database allows MCIIm to access SBC Michigan's 800 database for the purpose of switch query and database response. Access to the Toll Free Calling Database supports the processing of toll free calls (e.g., 800 and 888) where identification of the appropriate carrier (800 Service Provider) to transport the call is dependent upon the full ten digits of the toll free number (e.g., 1+800+NXX+XXXX). Access to the Toll Free Calling Database includes all 800-type dialing plans (i.e., 800, 888, and other codes as may be designated in the future).
- 2.3 Access to the Toll Free Calling Database provides the carrier identification function required to determine the appropriate routing of an 800 number based on the geographic origination of the call, from a specific or any combination of NPA/NXX, NPA or LATA call origination detail.
- 2.4 800 Service may be provided with call-routing capability, carrier-ID-only capability, and may be provided in conjunction with MCIIm's Feature Group D (FGD) switched access service. There are three optional features available with 800 service:
- 2.4.1 The Designated 10-Digit Translation feature converts the 800 number into a designated 10-digit number. If the 800 Service Provider provides the designated 10-digit number associated with the 800 number and request delivery of the designated 10-digit number in place of the 800 number, SBC Michigan will deliver the designated 10-digit number.
- 2.4.2 The Call Handling and Destination feature allows the customer to create routing schemes utilizing:
- 2.4.2.1 Time of Day
- 2.4.2.2 Day of Week
- 2.4.2.3 Day of Year
- 2.4.2.4 Allocation of Traffic by Percentage
- 2.4.2.5 NPA-NXX-XXXX
- 2.4.3 The Call Validation feature List Turnaround feature applies when customer identification is performed for Canadian and Caribbean toll free numbers. This feature is billed in lieu of the Basic Toll Free Access Query charge.
- 2.5 MCIIm may choose 800 carrier identification service to obtain toll-free number screening. With this service, MCIIm will launch a query to the SBC Michigan database using its own Service Switching Points network. In contrast to the call routing service described in the previous section, with the 800 carrier identification service, no routing is performed.

- 2.6 MCIIm, at its option, may elect to use SBC Michigan's toll-free service which includes toll-free Number Administration Service (NAS). With this service, SBC Michigan will perform the Responsible Organization service, which involves interacting with the national Service Management System (SMS/800), on behalf of the customer. Responsible Organization services include activating, deactivating and maintaining 800/888 number records as well as trouble referral and clearance. If MCIIm does not select NAS, MCIIm will perform the Responsible Organization service.

3 GENERAL TERMS AND CONDITIONS

- 3.1 Access to the Toll Free Calling Database is offered separate and apart from other unbundled network elements necessary for operation of the network routing function addressed in these terms and conditions, e.g., end office 800 (SSP) functionality and (CCS/SS7) signaling. This Appendix is separate from the prices, terms, conditions and billing for such related elements, and in no way shall this Appendix be construed to circumvent the prices, terms, conditions or billing as specified for such related elements.
- 3.2 MCIIm shall address its queries to SBC Michigan's database to the alias point code of the STP pair identified by SBC Michigan. MCIIm's queries shall use subsystem number 0 in the calling party address field and a translations type of 254 with a routing indicator set to route on global title. MCIIm acknowledges that such subsystem number and translation type values are necessary for SBC Michigan to properly process queries to its 800 database.
- 3.3 Each Party agrees to comply with all relevant industry standards.
- 3.4 CCS/SS7 network overload due to extraordinary volumes of queries and/or other SS7 network messages can and will have a detrimental effect on the performance of SBC Michigan's CCS/SS7 network and its 800 database. SBC Michigan may employ certain automatic and/or manual overload controls within SBC Michigan's CCS/SS7 network to guard against these detrimental effects, and SBC Michigan shall employ such overload controls such as they shall impact MCIIm, SBC Michigan, SBC Michigan affiliate or affiliates and other third party purchasers in a non-discriminatory manner. SBC Michigan shall report to MCIIm any instances where overload controls are invoked due to MCIIm's CCS/SS7 network. MCIIm shall take immediate corrective actions as are necessary (to the extent that SBC Michigan, its affiliate(s) and third party purchasers are also required to take such action) to cure the conditions causing the overload situation.
- 3.5 During periods of 800 database system congestion, SBC Michigan shall utilize an automatic code gapping procedure to control congestion that may affect the service of all customers of SBC Michigan's 800 database. The automatic code gapping procedure used by SBC Michigan shall notify MCIIm's switch of the gap length (how long MCIIm's switch should wait before sending another query) and the gap duration (how long the switch should continue to perform gapping). For example, during an overload condition, the automatic code gapping procedures shall tell SBC Michigan's 800 database when to begin to drop one out of three queries received. This code gapping procedure shall be applied uniformly to all users of SBC Michigan's 800 database. SBC Michigan reserves the right to manually invoke the automatic code gapping procedure to control congestion.
- 3.6 Prior to SBC Michigan initiating service under this Appendix, MCIIm shall provide an initial forecast of busy hour query volumes. MCIIm shall update its busy hour forecast for each upcoming calendar year (January - December) by October 1 of the preceding year. MCIIm will use commercially reasonable efforts to update its' forecast if MCIIm

anticipates that the number of forecasted queries will substantially increase. As the Parties may determine by agreement, MCIIm may from time to time provide additional forecasted information as deemed necessary for network planning in connection with this offering.

- 3.7 SBC Michigan shall test the Access to the Toll Free Calling Database in conjunction with CCS/SS7 Interconnection Service (e.g., Appendix SS7) in accordance with applicable industry standards.
- 3.8 SBC Michigan shall provide nondiscriminatory access to the Toll Free Calling Database as an unbundled Network Element for the provision of any Telecommunications Service. SBC Michigan shall provide access to its Toll Free Calling Database by means of access at the signaling transfer point linked to the unbundled database for the purposes of switch query and database response through a signaling network. This data shall also be provided at TSLRIC and on the same terms and conditions as SBC Michigan provides to itself.
- 3.9 The Parties shall ensure that they have sufficient link capacity and related facilities to handle their signaling and toll free traffic without adversely affecting other network subscribers.
- 3.10 Intentionally Omitted.
- 3.11 Ordering and Billing Inquiries
 - 3.11.1 Ordering and billing inquires for the elements described herein shall be directed to:
 - 3.11.1.1 For SBC Michigan - the AII Service Center in Milwaukee, Wisconsin.

4 RATES

- 4.1 MCIIm shall pay a Local Service Order Request Charge for each MCIIm request for service order activity to establish Access to the Toll Free Calling Database in the SBC Michigan region.
- 4.2 The prices at which SBC Michigan agrees to provide MCIIm with Access to the Toll Free Calling Database are contained in Appendix Pricing.
- 4.3 MCIIm shall pay a nonrecurring charge when MCIIm establishes or changes a signaling point code. The rates and charges for Signaling Point Code(s) are contained in Appendix Pricing. This charge also applies to point code information provided by MCIIm allowing other telecommunications providers to use MCIIm's SS7 signaling network.
- 4.4 Rate Elements

There are four rate elements associated with Access to the Toll Free Calling Database:

 - 4.4.1 Basic Toll Free Access Query Rate Element
 - 4.4.2 Designated 10-Digit Translation Rate Element (referred to as POTS Translations in SBC Michigan)
 - 4.4.3 Call Validation Rate Element (referred to as Multiple Destination Routing Rate Element).

- 4.4.4 Call Handling and Destination Rate Element (referred to 800 Database Vertical Feature in SBC Michigan).
- 4.5 MCI shall pay the Basic Toll Free Access query rate for each query received and processed by SBC Michigan's database. When applicable, the charge for the additional features (Designated 10-Digit Translation, Call Validation, and Call Handling and Destination) are per query and in addition to the Basic Toll Free Access query charge; and shall also be paid by MCI.

911

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1 INTRODUCTION

- 1.1 This Appendix sets forth terms and conditions for 911 and E911 Service provided by SBC Michigan to MCI.

2 DEFINITIONS

- 2.1 Intentionally Omitted.
- 2.2 “Automatic Location Identification” or “ALI” means the automatic display at the Public Safety Answering Point or “PSAP” of the caller’s telephone number, the address/location of the telephone and, in some cases, supplementary emergency services information.
- 2.3 Intentionally Omitted.
- 2.4 “Company Identifier” or “Company ID” means a three to five (3 to 5) character identifier chosen by the Local Exchange Carrier that distinguishes the entity providing dial tone to the End User. The Company Identifier is maintained by the National Emergency Number Association or “NENA” in a nationally accessible database.
- 2.5 “Database Management System” or “DBMS” means a system of manual procedures and computer programs used to create, store and update the data required to provide Selective Routing and/or Automatic Location Identification for 911 and E911 systems.
- 2.6 “911 or E911 Customer” means a municipality or other state or local government 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 a minimum, for emergency police and fire services, through the use of one telephone number -- 911.
- 2.7 “911 or E911 Universal Emergency Number Service” (also referred to as “Expanded 911 Service” or “Enhanced 911 Service”) or “911 or E911 Service” means a telephone exchange communications service whereby a Public Safety Answering Point (PSAP) answers telephone calls placed by dialing the number 911. 911 and 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. E911 provides completion of a call to 911 via dedicated trunks and includes Automatic Number Identification (ANI), Automatic Location Identification (ALI), and/or Selective Routing (SR).
- 2.8 “Emergency Services” means police, fire, ambulance, rescue, and medical services.
- 2.9 “Emergency Service Number” or “ESN” means a three to five digit number representing a unique combination of emergency service agencies (Law Enforcement, Fire, and Emergency Medical Service) designated to serve a specific range of addresses within a particular geographical area. The ESN facilitates selective routing and selective transfer, if required, to the appropriate PSAP and the dispatching of the proper service agency(ies).
- 2.10 “Master Street Address Guide” or “MSAG” contains street names and house number ranges within their associated communities defining particular geographic areas and their associated ESNs to enable proper routing of 911 and E911 calls.
- 2.11 “National Emergency Number Association” or “NENA” is a not-for-profit corporation established in 1982 to educate, set standards and provide certification programs,

legislative representation and technical assistance for implementing and managing 911 and E911 systems.

- 2.12 “Public Safety Answering Point” or “PSAP” means an answering location for 911 and E911 calls originating in a given area. The 911 or E911 Customer may designate a PSAP as primary or secondary, which refers to the order in which calls are directed for answering. Primary PSAPs answer calls; secondary PSAPs receive calls on a transfer basis. PSAPs are public safety agencies such as police, fire, emergency medical, etc., or a common bureau serving a group of such entities.
- 2.13 “Selective Routing” and “Selective Router” or “SR” means the routing and equipment used to route a call to 911 to the proper PSAP based upon the number and location of the caller. Selective routing is controlled by an ESN, which is derived from the location of the access line from which the 911 call was placed.

3 BASIC 911 AND E911 GENERAL REQUIREMENTS

- 3.1 When SBC Michigan is the 911 or E911 Service provider, SBC Michigan shall provide MCIIm with access to and service for 911 and E911.
- 3.2 911 and E911 provides a caller who dials a 3-digit universal telephone number (911) access to the appropriate emergency service bureau.
- 3.3 E911 provides additional routing flexibility for 911 calls. E911 uses Customer data derived from the ALI/DMS to determine to which PSAP to route the call. SBC Michigan shall provide ALI interface information and access to the DMS sufficient, when combined with other Unbundled Network Elements, to allow MCIIm to provide services to its own End Users equivalent to the ALI services provided by SBC Michigan for its End Users.
- 3.4 911 and E911 database service provided to MCIIm will be at Parity with the 911 and E911 service that SBC Michigan provides to itself and others.
- 3.5 Upon written request, SBC Michigan shall provide to MCIIm, within thirty (30) days, a description of the geographic area (or Rate Center) and PSAPs served by a 911 or E911 SR based upon the standards set forth in the May 1997 NENA Recommended Standards for Local Service Provider Interconnection Information Sharing, or any subsequent revision(s) thereto.
- 3.6 SBC Michigan and MCIIm shall comply with all Applicable Laws concerning 911 and E911 services.
- 3.7 SBC Michigan shall provide and maintain such equipment at the SR and the DBMS as is necessary to perform the 911 and E911 services set forth herein when SBC Michigan is the 911 or E911 Service provider. SBC Michigan shall provide 911 or E911 Service to MCIIm as described this section in a particular Rate Center in which MCIIm is authorized to provide local telephone exchange service and SBC Michigan is the 911 or E911 Service provider.
- 3.8 Intentionally Omitted.
- 3.9 Intentionally Omitted.
- 3.10 SBC Michigan will forward the calling party number (ANI) it receives from MCIIm and the associated 911 Address Location Identification (ALI) to the PSAP for display. If no ANI is forwarded by MCIIm, SBC Michigan will forward an Emergency Service Central Office (ESCO) identification code for display at the PSAP. If ANI is forwarded by MCIIm, but no

ANI record is found in the DBMS, SBC Michigan will report this "No Record Found" condition to MCI in accordance with NENA standards.

3.11 Call Routing

3.11.1 Where SBC Michigan is the 911 or E911 Service provider, SBC Michigan will transport 911 and/or E911 calls from each MCI point of interconnection (POI) to the SBC Michigan 911 Tandem or SR.

3.11.2 SBC Michigan will switch 911 and E911 calls through the 911 Tandem or SR to the designated primary PSAP or to the designated alternate locations, according to routing criteria specified by the PSAP.

3.11.3 SBC Michigan will validate 911 and E911 calls routed to the PSAP with MCI Customer information from the ALI/ANI database.

4 BASIC 911 AND E911 ADDITIONAL REQUIREMENTS

4.1 Where SBC Michigan is the 911 or E911 Service provider, SBC Michigan shall cooperate with MCI to ensure that 911/E911 Service is fully available to all MCI End User Customers whose telephone numbers have been ported from SBC Michigan. SBC Michigan shall provide the necessary functionality for MCI to update the 911/E911 database with customer information for lines that have been ported.

4.2 SBC Michigan shall notify MCI 48 hours in advance of any scheduled testing or maintenance affecting MCI 911 or E911 Service. SBC Michigan shall provide notification as soon as possible of any unscheduled outage affecting MCI 911/E911 Service. SBC Michigan shall notify MCI of major network changes impacting MCI as soon as SBC Michigan is aware of such changes.

4.3 SBC Michigan shall provide MCI with the point of contact for reporting errors, defects, and malfunctions in the 911/E911 Service and shall also provide escalation contacts.

4.4 SBC Michigan shall provide to MCI sufficient planning information regarding anticipated moves to SS7 signaling at a minimum of ninety (90) days before each such anticipated move to SS7 signaling.

4.5 Where SBC Michigan manages the 911/E911 database, SBC Michigan shall provide MCI with notification of any pending SR moves at least thirty (30) days in advance of the start date of the project or ninety (90) days from the projected cut-over date of the new SR.

4.6 SBC Michigan shall establish within ten (10) days of the Effective Date any special operator-assisted calling requirements needed to support 911/E911.

4.7 Where SBC Michigan is the 911 or E911 Service provider, SBC Michigan shall populate the ALI database with the appropriate new NPA codes for NPA splits, or other NPA changes.

5 BASIC 911 AND E911 DATABASE REQUIREMENTS

5.1 When SBC Michigan is the 911 or E911 Service provider, SBC Michigan manages the DBMS. The interface to the DBMS must meet all applicable standards.

- 5.1.1 Where SBC Michigan is the 911 or E911 Service provider and manages the DBMS, SBC Michigan shall store MCI's End User Customer 911 Records [that is, the name, address, and associated telephone number(s) for each of MCI's End User Customers served by MCI's exchange(s)] in the electronic data processing database for the DBMS. SBC Michigan shall provide an electronic interface through which MCI or its representative(s) may provide and update such information.
- 5.1.2 MCI shall adopt use of Company ID on all MCI End User 911/E911 Records in accordance with NENA standards. The Company ID will identify the carrier of record facility configurations.
- 5.2 SBC Michigan shall coordinate access to the DBMS for the initial loading and updating of MCI End User Customer 911/E911 Records. Access coordination will include:
 - 5.2.2 SBC Michigan provided format requirements and a delivery address for MCI to supply an electronic version of Customer telephone numbers, addresses and other information both for the initial load and, where applicable, daily updates. SBC Michigan shall confirm receipt of this data by the next business day by providing MCI with a report of the number of items sent, the number of items entered correctly, and the number of errors;
 - 5.2.3 Coordination of error resolution involving entry and update activity;
 - 5.2.4 Provisioning of specific 911 routing information on each access line;
 - 5.2.5 Providing MCI with reference data required to ensure that MCI's Customer will be routed to the correct Control Office when originating a 911 call.
- 5.3 SBC Michigan shall provide an electronic interface to the ALI/DMS database (or permit MCI to provide its own data link to the ALI Gateway that interfaces to the ALI/DMS database), through which MCI or its agent may provide a daily update of MCI Customer Information. SBC Michigan shall provide MCI with the record input format, consistent with NENA-02-001 and subsequent NENA formats (NENA Recommended Formats for Data Exchange). SBC Michigan shall provide error reports from the ALI/DMS database to MCI within one (1) business day after MCI or its agent enters information into the ALI/DMS database.
 - 5.3.1 SBC Michigan 's ALI database shall accept electronically transmitted files that are based upon NENA standards. Manual entry shall be allowed only in the event that DBMS is not functioning properly.
- 5.4 SBC Michigan shall provide MCI query access to the ALI/DMS database to verify the accuracy of MCI Customer information.
- 5.5 SBC Michigan will update MCI's End User Customer 911/E911 Records in the DBMS. SBC Michigan will then provide MCI an error and status report. SBC Michigan and MCI shall arrange for the automated input and periodic updating of 911/E911 database information related to MCI's Customers.

- 5.6 SBC Michigan shall update the ALI/DMS database within two (2) business days after receiving the data from MCIIm.
- 5.7 If SBC Michigan detects an error in the MCIIm-provided data, the data shall be returned to MCIIm within two (2) business days after it was provided to SBC Michigan. MCIIm shall respond to requests from SBC Michigan to make corrections to database record errors by uploading corrected records within two (2) business days.
- 5.8 Manual entry shall be allowed only in the event that the system is not functioning properly.
- 5.9 MCIIm's end user customer records will be updated in the DBMS via the DBMS electronic interface. The ALI and SR databases will be subsequently updated via the DBMS once MCIIm's end user customer records are updated in the DBMS. SBC Michigan will provide notification when MCIIm's records have been entered into the DBMS, ALI and SR databases.
- 5.10 DBMS, ALI and SR discrepancy reports shall be jointly researched by SBC Michigan and MCIIm. The responsible Party shall take immediate corrective action. SBC Michigan agrees to work expeditiously to correct any internal processing errors between the DBMS, SR and ALI databases.
- 5.11 SBC Michigan agrees to treat all data on MCIIm's Customers provided under this Appendix as strictly confidential and to use data on MCIIm's Customers only for the purpose of providing 911 or E911 Services.
- 5.12 Where MCIIm is authorized to provide local telephone exchange service, SBC Michigan shall identify which ALI databases cover which states, counties, or parts thereof, and identify and communicate a point of contact for each.
- 5.13 SBC Michigan will provide to MCIIm a complete copy of the Master Street Address Guide ("MSAG") that will specify valid address ranges for Customers within the Exchange Areas served by MCIIm. The MSAG will be provided in a media and format usable with personal computers, free of charge, once each year, and SBC Michigan shall provide electronic updates monthly. SBC Michigan shall cooperate with MCIIm to ensure the accuracy of information about MCIIm Customers in the MSAG and shall assist in resolving any errors. SBC Michigan shall notify PSAPs of any errors in the MSAG concerning MCIIm Customers. The MSAG will be provided by exchange rate center or community upon request.

6 MCIIm RESPONSIBILITIES

- 6.1 Database
 - 6.1.1 MCIIm is responsible for providing SBC Michigan updates to the ALI database; in addition, MCIIm is responsible for maintaining the accuracy and content of that data as delivered.
 - 6.1.2 The Parties shall be jointly responsible for providing test records and conducting call-through testing on all new exchanges.
- 6.2 Other
 - 6.2.1 SBC Michigan will not be responsible for submitting any applicable 911 surcharges to be assessed to the appropriate municipality where MCIIm provides facility-based local exchange service.

7 METHODS AND PRACTICES

- 7.1 With respect to all matters covered by this Appendix, each Party will comply with all of the following to the extent that they apply to 911 and E911 Service: (i) all applicable FCC and state Commission rules and regulations; (ii) any applicable requirements imposed by any governmental authority other than a commission, and (iii) the principles expressed in the recommended standards published by NENA.
- 7.2 MCIIm will establish a minimum of two (2) dedicated trunks from MCIIm's Switch to each POI. MCIIm may, at its option, provide its own trunks, acquire such trunking from SBC Michigan at rates set forth in Appendix Pricing, or obtain them from 3d parties. 911 Interconnection Trunk Groups must be, at a minimum, DS-0 level trunks configured as a 2-wire analog interface or as part of a digital (1.544 Mbps) interface. Either configuration must use Centralized Automatic Message Accounting "CAMA" type signaling with MF tones that will deliver Automatic Number Identification "ANI" with the voice portion of the call, unless the 911/E911 selective router is SS7 capable, in which case MCIIm may require SS7 signaling. All 911 Interconnection trunk groups must be capable of transmitting and receiving Baudot code necessary to support the use of Telecommunications Devices for the Deaf ("TTY/TDD"s).
- 7.3 SBC Michigan shall assure sufficient capacity at the 911 tandem or SR to meet MCIIm's requests for interconnection within twenty (20) business days after receipt of the request. When SBC Michigan network force and load conditions require a longer implementation timeframe, SBC Michigan will notify MCIIm within five (5) business days after receipt of the request and the timeframe will be agreed upon. Interconnection to the 911 tandem or SR shall be established to provide path and route diversity when technically feasible.
- 7.4 SBC Michigan will adhere to the March 1997 NENA recommended Standards for Local Service Providers relating to provision of dedicated trunks from the end user customer's End Office Switch to SBC Michigan's SR. SBC Michigan will only exceed the NENA recommended Minimum Trunking Requirements for such trunks under extenuating circumstances and with the prior written approval of the 911 or E911 Customer.
- 7.5 SBC Michigan will provide the order number and circuit identification code in advance of the service due date.
- 7.6 In the event of an SBC Michigan or MCIIm 911 or E911 trunk group failure, the Party that owns the trunk group will notify, on a priority basis, the other Party of such failure, which notification shall occur within two (2) hours of the occurrence or sooner if required under Applicable Law. The Parties will exchange a list containing the names and telephone numbers of the support center personnel responsible for maintaining 911/E911 Service between the Parties.
- 7.7 MCIIm will be responsible for the isolation, coordination and restoration of all 911 network maintenance problems to MCIIm's demarcation (e.g. collocation). SBC Michigan will be responsible for the coordination and restoration of all 911 network maintenance problems beyond the demarcation (e.g. collocation). MCIIm is responsible for advising SBC Michigan of the circuit identification when notifying SBC Michigan of a failure or outage. The Parties agree to work cooperatively and expeditiously to resolve any 911 outage. SBC Michigan will refer network trouble to MCIIm if no defect is found in SBC Michigan's network. The Parties agree that 911-network problem resolution will be managed in an expeditious manner at all times.

8 CONTINGENCY

- 8.1 The terms and conditions of this section represent a negotiated plan for CLECs not currently providing 911 or E911 Service.
- 8.2 The Parties agree that 911 and E911 Service is provided for the use of the 911 or E911 Customer, and recognize the authority of that customer to establish service specifications and grant final approval (or denial) of service configurations offered by SBC Michigan and MCI. These specifications (if any) shall be documented in Exhibit. CLEC Serving Area Description and E911 Interconnection Details. MCI shall complete its portion of Exhibit and submit it to SBC Michigan not later than forty-five (45) days prior to the passing of live traffic. SBC Michigan shall complete its portion of Exhibit and return Exhibit to MCI not later than thirty (30) days prior to the passing of live traffic.
- 8.3 MCI must obtain documentation of approval of the completed Exhibit from the appropriate E911 Customer(s) that have jurisdiction in the area(s) in which MCI's end user customers are located. MCI shall provide documentation of all requisite approval(s) to SBC Michigan prior to use of MCI's E911 connection for actual emergency calls.
- 8.4 Each Party has designated a representative who has the authority to complete additional Exhibit(s) to this Appendix when necessary to accommodate expansion of the geographic area of CLEC into the jurisdiction of additional PSAP(s) or to increase the number of CAMA trunks. MCI must obtain approval of each additional Exhibit, as set forth herein, and shall furnish documentation of all requisite approval(s) of each additional Exhibit in accordance with herein.
- 8.5 Intentionally Omitted.

9 BASIS OF COMPENSATION

- 9.1 Rates for access to 911 and E911 Services are set forth in Appendix Pricing.
- 9.2 Charges shall begin on the date that 911 or E911 Service is turned on for live traffic.

10 LIABILITY

- 10.1 In addition to the requirements of this Appendix 911, the Parties agree 911 and E911 Services will be provided in accordance with applicable requirements of Sections 484.1101 through 484.1604 of the Michigan Compiled Laws.

11 911 WAIVER

- 11.1 The Parties shall comply with 911 trunking arrangements including any applicable exceptions/waivers set forth in section 10 of the Appendix Network of this Agreement.

TBD - To be determined
 BFR - Bona Fide Request
 ICB - Individual Case Basis
 NA - Not Applicable
 (-) - Not Available as of Effective Date

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Pricing Schedule

MICHIGAN		AIT	
		RECURRING	AIT
		Monthly	Nonrecurring
UNBUNDLED NETWORK ELEMENTS			
Unbundled Loops			
	2-Wire Analog - Access Area A	\$ 8.47	See NRC prices below
	2-Wire Analog - Access Area B	\$ 8.73	See NRC prices below
	2-Wire Analog - Access Area C	\$ 12.54	See NRC prices below
	4-Wire Analog - Access Area A	\$ 18.37	See NRC prices below
	4-Wire Analog - Access Area B	\$ 19.29	See NRC prices below
	4-Wire Analog - Access Area C	\$ 26.68	See NRC prices below
	PBX Ground Start- Access Area A	\$ 9.04	See NRC prices below
	PBX Ground Start-Access Area B	\$ 9.46	See NRC prices below
	PBX Ground Start-Access Area C	\$ 13.20	See NRC prices below
	COPTS-Coin Line-Access Area A	\$ 8.47	See NRC prices below
	COPTS-Coin Line-Access Area B	\$ 8.73	See NRC prices below
	COPTS-Coin Line-Access Area C	\$ 12.54	See NRC prices below
	Electronic Key Line (EKL) Interface-Access Area A	\$ 8.58	See NRC prices below
	Electronic Key Line (EKL) Interface-Access Area B	\$ 8.86	See NRC prices below
	Electronic Key Line (EKL) Interface-Access Area C	\$ 12.65	See NRC prices below
	2-Wire Digital 160 Kbps (ISDN-BRI) - Access Area A	\$ 10.29	See NRC prices below
	2-Wire Digital 160 Kbps (ISDN-BRI) - Access Area B	\$ 11.17	See NRC prices below
	2-Wire Digital 160 Kbps (ISDN-BRI) - Access Area C	\$ 14.89	See NRC prices below
	4-Wire Digital 1.544 Mbps - Access Area A	\$ 34.66	See NRC prices below
	4-Wire Digital 1.544 Mbps - Access Area B	\$ 41.57	See NRC prices below
	4-Wire Digital 1.544 Mbps - Access Area C	\$ 47.26	See NRC prices below
	DS3 Loop - Access Area A	\$ 639.41	See NRC prices below
	DS3 Loop - Access Area B	\$ 726.89	See NRC prices below
	DS3 Loop - Access Area C	\$ 743.35	See NRC prices below
DSL Capable Loops			
	2-Wire Digital Loop ISDN/IDSL		
	PSD #1 - 2-Wire Digital Loop ISDN/IDSL Access Area A	\$ 10.29	See NRC prices below
	PSD #1 - 2-Wire Digital Loop ISDN/IDSL Access Area B	\$ 11.17	See NRC prices below
	PSD #1 - 2-Wire Digital Loop ISDN/IDSL Access Area C	\$ 14.89	See NRC prices below
	2-Wire xDSL Loop (ADSL/HDSL Compatible Interface)		
	PSD #1 - 2-Wire xDSL Loop Access Area A	\$ 10.26	See NRC prices below
	PSD #1 - 2-Wire xDSL Loop Access Area B	\$ 11.29	See NRC prices below
	PSD #1 - 2-Wire xDSL Loop Access Area C	\$ 14.17	See NRC prices below
	PSD #2 - 2-Wire xDSL Loop Access Area A	\$ 10.26	See NRC prices below
	PSD #2 - 2-Wire xDSL Loop Access Area B	\$ 11.29	See NRC prices below
	PSD #2 - 2-Wire xDSL Loop Access Area C	\$ 14.17	See NRC prices below
	PSD #3 - 2-Wire xDSL Loop Access Area A	\$ 10.26	See NRC prices below
	PSD #3 - 2-Wire xDSL Loop Access Area B	\$ 11.29	See NRC prices below
	PSD #3 - 2-Wire xDSL Loop Access Area C	\$ 14.17	See NRC prices below
	PSD #4 - 2-Wire xDSL Loop Access Area A	\$ 10.26	See NRC prices below
	PSD #4 - 2-Wire xDSL Loop Access Area B	\$ 11.29	See NRC prices below
	PSD #4 - 2-Wire xDSL Loop Access Area C	\$ 14.17	See NRC prices below
	PSD #5 - 2-Wire xDSL Loop Access Area A	\$ 10.26	See NRC prices below
	PSD #5 - 2-Wire xDSL Loop Access Area B	\$ 11.29	See NRC prices below
	PSD #5 - 2-Wire xDSL Loop Access Area C	\$ 14.17	See NRC prices below
	PSD #7 - 2-Wire xDSL Loop Access Area A	\$ 10.26	See NRC prices below
	PSD #7 - 2-Wire xDSL Loop Access Area B	\$ 11.29	See NRC prices below
	PSD #7 - 2-Wire xDSL Loop Access Area C	\$ 14.17	See NRC prices below
	4-Wire xDSL Loop (HDSL Compatible Interface)		
	PSD #3 - 4-Wire xDSL Loop Access Area A	\$ 20.43	See NRC prices below
	PSD #3 - 4-Wire xDSL Loop Access Area B	\$ 22.48	See NRC prices below
	PSD #3 - 4-Wire xDSL Loop Access Area C	\$ 28.21	See NRC prices below
	HFPL Loop		
	HFPL Loop - Access Area A	\$ 0.00	See NRC prices below
	HFPL Loop - Access Area B	\$ 0.00	See NRC prices below
	HFPL Loop - Access Area C	\$ 0.00	See NRC prices below
	Loop Qualification Process		

TBD - To be determined
 BFR - Bona Fide Request
 ICB - Individual Case Basis
 NA - Not Applicable
 (-) - Not Available as of Effective Date

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 MICHIGAN
 ICA

Pricing Schedule

MICHIGAN		AIT	
		RECURRING	AIT
		Monthly	Nonrecurring
	Loop Qualification Process - Mechanized	NA	\$ 0.10
	Loop Qualification Process - Manual	NA	\$ 141.38
	Loop Qualification Process - Detailed Manual	NA	TBD
HFPL Cross Connect Configuration Charge			
	SBC Owned Splitter - Installation or Disconnection	NA	\$ 10.00
	Carrier Owned Splitter - Installation or Disconnection	NA	\$ 10.00
xDSL Loop & HFPL Conditioning Options - >12KFT and < 17.5KFT			
	Removal of VG Repeater	NA	\$ 24.29
	Removal Bridged Tap	NA	\$ 23.35
	Removal of Load Coil	NA	\$ 29.67
xDSL Loop & HFPL Conditioning Options -			
	- >17.5KFT in addition to the rates for >12KFT and <17.5KFT		
	Removal of VG Repeater	NA	\$ 24.29
	Removal Bridged Tap	NA	\$ 23.35
	Removal of Load Coil	NA	\$ 11.87
Analog Loop Non-Recurring Charges			
	Service Order - Installation, per occasion, per location	NA	\$ 3.16
	Service Order - Disconnect, per occasion, per location	NA	\$ 1.54
	Service Order - Subsequent, per occasion	NA	\$ 3.02
	Service Order - Record Work, per occasion	NA	\$ 1.86
	Loop Connection Charge, per termination	NA	\$ 17.82
	Loop Disconnection Charge, per termination	NA	\$ 5.85
	HFPL Service Order - Installation, per occasion, per location	NA	\$ 3.16
	HFPL Service Order - Disconnect, per occasion, per location	NA	\$ 1.54
	HFPL Service Order - Subsequent, per occasion	NA	\$ 3.02
	HFPL Service Order - Record Change, per occasion	NA	\$ 1.86
	HFPL Record Work - OSS Modification Charge	\$ 0.25	NA
	HFPL Record Work - Cross Connect Configuration Charge SBC Owned	\$ 0.15	NA
	HFPL Record Work - Cross Connect Configuration Charge CLEC Owned	\$ 0.15	NA
	HFPL Record Work - Line-at-a-time SBC Owned Splitter	\$ 0.89	NA
Digital Loop Non-Recurring Charges			
	DS0 Administrative - Initial Order	NA	\$ 107.16
	DS0 Administrative - Disconnect Order	NA	\$ 74.44
	DS0 Design & Central Office - Initial Order	NA	\$ 74.94
	DS0 Design & Central Office - Disconnect Order	NA	\$ 56.56
	DS0 Carrier Connection Charge - Initial Order	NA	\$ 239.23
	DS0 Carrier Connection Charge - Disconnect Order	NA	\$ 82.32
	DS1 Administrative - Initial Order	NA	\$ 136.82
	DS1 Administrative - Disconnect Order	NA	\$ 74.33
	DS1 Design & Central Office - Initial Order	NA	\$ 339.17
	DS1 Design & Central Office - Disconnect Order	NA	\$ 34.41
	DS1 Carrier Connection Charge - Initial Order	NA	\$ 209.19
	DS1 Carrier Connection Charge - Disconnect Order	NA	\$ 75.01
	DS3 Administrative - Initial Order	NA	\$ 182.70
	DS3 Administrative - Disconnect Order	NA	\$ 78.65
	DS3 Design & Central Office - Initial Order	NA	\$ 566.80
	DS3 Design & Central Office - Disconnect Order	NA	\$ 103.83
	DS3 Carrier Connection Charge - Initial Order	NA	\$ 190.57
	DS3 Carrier Connection Charge - Disconnect Order	NA	\$ 51.13
Cancellation or Change Service Charge, per last critical date reached			
	Analog Loops - Design Layout Report Date	NA	\$ 4.03
	Analog Loops - Record Issue Date	NA	\$ 17.90
	Analog Loops - Designed, Verified & Assigned Date	NA	\$ 35.78
	Analog Loops - Plant Test Date	NA	\$ 45.60
	Digital DS0 Loops - Design Layout Report Date	NA	\$ 51.26
	Digital DS0 Loops - Record Issue Date	NA	\$ 107.67
	Digital DS0 Loops - Designed, Verified & Assigned Date	NA	\$ 123.81
	Digital DS0 Loops - Plant Test Date	NA	\$ 421.34
	Digital DS1 Loops - Design Layout Report Date	NA	\$ 327.96
	Digital DS1 Loops - Record Issue Date	NA	\$ 423.21
	Digital DS1 Loops - Designed, Verified & Assigned Date	NA	\$ 439.33
	Digital DS1 Loops - Plant Test Date	NA	\$ 685.18
	Digital DS3 Loops - Design Layout Report Date	NA	\$ 119.71

TBD - To be determined
 BFR - Bona Fide Request
 ICB - Individual Case Basis
 NA - Not Applicable
 (-) - Not Available as of Effective Date

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 MICHIGAN
 ICA

MICHIGAN		AIT	
		RECURRING	AIT
		Monthly	Nonrecurring
	Digital DS3 Loops - Record Issue Date	NA	\$ 546.17
	Digital DS3 Loops - Designed, Verified & Assigned Date	NA	\$ 569.87
	Digital DS3 Loops - Plant Test Date	NA	\$ 714.50
Due Date Change Charge, per order per occasion			
	Analog Loop	NA	\$ 3.16
	Digital DS0	NA	\$ 18.76
	Digital DS1	NA	\$ 18.76
	Digital DS3	NA	\$ 18.76
Service Coordination Fee, per carrier bill, per central office		\$ 0.84	NA
SUB-LOOPS			
	MDF or CO to RT Sub-Loop		
	2 Wire Analog - area A	\$ 4.54	See NRC prices below
	2 Wire Analog - area B	\$ 5.25	See NRC prices below
	2 Wire Analog - area C	\$ 5.18	See NRC prices below
	4 Wire Analog - area A	\$ 12.00	See NRC prices below
	4 Wire Analog - area B	\$ 14.37	See NRC prices below
	4 Wire Analog - area C	\$ 13.73	See NRC prices below
	2 Wire xDSL - area A	TBD	See NRC prices below
	2 Wire xDSL - area B	TBD	See NRC prices below
	2 Wire xDSL - area C	TBD	See NRC prices below
	4 Wire xDSL - area A	TBD	See NRC prices below
	4 Wire xDSL - area B	TBD	See NRC prices below
	4 Wire xDSL - area C	TBD	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area A	\$ 9.59	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area B	\$ 10.70	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area C	\$ 11.03	See NRC prices below
	4 Wire DS1 (1.544 mbps) - area A	\$ 57.77	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area B	\$ 59.62	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area C	\$ 63.48	See NRC prices below
	DS3 Sub-Loop - area A	\$ 635.68	See NRC prices below
	DS3 Sub-Loop - area B	\$ 715.62	See NRC prices below
	DS3 Sub-Loop - area C	\$ 725.91	See NRC prices below
	MDF or CO to SAI/FDI Sub-Loop		
	2 Wire Analog - area A	\$ 5.72	See NRC prices below
	2 Wire Analog - area B	\$ 6.23	See NRC prices below
	2 Wire Analog - area C	\$ 6.06	See NRC prices below
	4 Wire Analog - area A	\$ 14.39	See NRC prices below
	4 Wire Analog - area B	\$ 16.34	See NRC prices below
	4 Wire Analog - area C	\$ 15.57	See NRC prices below
	2 Wire xDSL - area A	\$ 5.58	See NRC prices below
	2 Wire xDSL - area B	\$ 6.22	See NRC prices below
	2 Wire xDSL - area C	\$ 5.41	See NRC prices below
	4 Wire xDSL - area A	\$ 11.15	See NRC prices below
	4 Wire xDSL - area B	\$ 12.43	See NRC prices below
	4 Wire xDSL - area C	\$ 10.82	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area A	TBD	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area B	TBD	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area C	TBD	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area A	TBD	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area B	TBD	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area C	TBD	See NRC prices below
	DS3 Sub-Loop - area A	TBD	See NRC prices below
	DS3 Sub-Loop - area B	TBD	See NRC prices below
	DS3 Sub-Loop - area C	TBD	See NRC prices below
	MDF or CO to Terminal Sub-Loop		
	2 Wire Analog - area A	\$ 9.24	See NRC prices below
	2 Wire Analog - area B	\$ 10.34	See NRC prices below
	2 Wire Analog - area C	\$ 13.99	See NRC prices below
	4 Wire Analog - area A	\$ 21.41	See NRC prices below
	4 Wire Analog - area B	\$ 24.51	See NRC prices below
	4 Wire Analog - area C	\$ 31.37	See NRC prices below
	2 Wire xDSL - area A	\$ 9.12	See NRC prices below
	2 Wire xDSL - area B	\$ 10.33	See NRC prices below
	2 Wire xDSL - area C	\$ 13.35	See NRC prices below
	4 Wire xDSL - area A	\$ 18.19	See NRC prices below

TBD - To be determined
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AMERITECH/MCIm
 MICHIGAN
 ICA

Pricing Schedule

MICHIGAN		AIT	
		RECURRING	AIT
		Monthly	Nonrecurring
	4 Wire xDSL - area B	\$ 20.60	See NRC prices below
	4 Wire xDSL - area C	\$ 26.63	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area A	TBD	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area B	TBD	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area C	TBD	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area A	TBD	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area B	TBD	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area C	TBD	See NRC prices below
	DS3 Sub-Loop - area A	TBD	See NRC prices below
	DS3 Sub-Loop - area B	TBD	See NRC prices below
	DS3 Sub-Loop - area C	TBD	See NRC prices below
	RT to SAI/FDI Sub-Loop		
	2 Wire Analog - area A	\$ 1.37	See NRC prices below
	2 Wire Analog - area B	\$ 1.07	See NRC prices below
	2 Wire Analog - area C	\$ 1.23	See NRC prices below
	4 Wire Analog - area A	\$ 2.76	See NRC prices below
	4 Wire Analog - area B	\$ 2.16	See NRC prices below
	4 Wire Analog - area C	\$ 2.47	See NRC prices below
	2 Wire xDSL - area A	\$ 1.37	See NRC prices below
	2 Wire xDSL - area B	\$ 1.07	See NRC prices below
	2 Wire xDSL - area C	\$ 1.23	See NRC prices below
	4 Wire xDSL - area A	\$ 2.76	See NRC prices below
	4 Wire xDSL - area B	\$ 2.16	See NRC prices below
	4 Wire xDSL - area C	\$ 2.47	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area A	TBD	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area B	TBD	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area C	TBD	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area A	TBD	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area B	TBD	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area C	TBD	See NRC prices below
	DS3 Sub-Loop - area A	TBD	See NRC prices below
	DS3 Sub-Loop - area B	TBD	See NRC prices below
	DS3 Sub-Loop - area C	TBD	See NRC prices below
	RT to Terminal Sub-Loop		
	2 Wire Analog - area A	\$ 4.91	See NRC prices below
	2 Wire Analog - area B	\$ 5.17	See NRC prices below
	2 Wire Analog - area C	\$ 9.17	See NRC prices below
	4 Wire Analog - area A	\$ 9.79	See NRC prices below
	4 Wire Analog - area B	\$ 10.34	See NRC prices below
	4 Wire Analog - area C	\$ 18.29	See NRC prices below
	2 Wire xDSL - area A	\$ 4.91	See NRC prices below
	2 Wire xDSL - area B	\$ 5.17	See NRC prices below
	2 Wire xDSL - area C	\$ 9.17	See NRC prices below
	4 Wire xDSL - area A	\$ 9.79	See NRC prices below
	4 Wire xDSL - area B	\$ 10.34	See NRC prices below
	4 Wire xDSL - area C	\$ 18.29	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area A	TBD	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area B	TBD	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area C	TBD	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area A	TBD	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area B	TBD	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area C	TBD	See NRC prices below
	DS3 Sub-Loop - area A	TBD	See NRC prices below
	DS3 Sub-Loop - area B	TBD	See NRC prices below
	DS3 Sub-Loop - area C	TBD	See NRC prices below
	RT to NID Sub-Loop		
	2 Wire Analog - area A	\$ 5.84	See NRC prices below
	2 Wire Analog - area B	\$ 5.97	See NRC prices below
	2 Wire Analog - area C	\$ 9.90	See NRC prices below
	4 Wire Analog - area A	\$ 11.72	See NRC prices below
	4 Wire Analog - area B	\$ 11.94	See NRC prices below
	4 Wire Analog - area C	\$ 19.80	See NRC prices below
	2 Wire xDSL - area A	\$ 5.84	See NRC prices below
	2 Wire xDSL - area B	\$ 5.97	See NRC prices below
	2 Wire xDSL - area C	\$ 9.90	See NRC prices below
	4 Wire xDSL - area A	\$ 11.72	See NRC prices below
	4 Wire xDSL - area B	\$ 11.94	See NRC prices below
	4 Wire xDSL - area C	\$ 19.80	See NRC prices below

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AMERITECH/MCI
 MICHIGAN
 ICA

Pricing Schedule

MICHIGAN		AIT	
		RECURRING	AIT
		Monthly	Nonrecurring
	2 Wire 160 Kbps (ISDN-BRI) - area A	\$ 5.84	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area B	\$ 5.97	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area C	\$ 9.90	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area A	\$ 27.02	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area B	\$ 27.44	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area C	\$ 35.15	See NRC prices below
	DS3 Sub-Loop - area A	\$ 635.68	See NRC prices below
	DS3 Sub-Loop - area B	\$ 715.62	See NRC prices below
	DS3 Sub-Loop - area C	\$ 725.45	See NRC prices below
	SAI/FDI to Terminal Sub-Loop		
	2 Wire Analog - area A	\$ 4.51	See NRC prices below
	2 Wire Analog - area B	\$ 4.98	See NRC prices below
	2 Wire Analog - area C	\$ 8.90	See NRC prices below
	4 Wire Analog - area A	\$ 9.03	See NRC prices below
	4 Wire Analog - area B	\$ 9.92	See NRC prices below
	4 Wire Analog - area C	\$ 17.75	See NRC prices below
	2 Wire xDSL - area A	\$ 4.51	See NRC prices below
	2 Wire xDSL - area B	\$ 4.98	See NRC prices below
	2 Wire xDSL - area C	\$ 8.90	See NRC prices below
	4 Wire xDSL - area A	\$ 9.03	See NRC prices below
	4 Wire xDSL - area B	\$ 9.92	See NRC prices below
	4 Wire xDSL - area C	\$ 17.75	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area A	\$ 4.51	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area B	\$ 4.98	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area C	\$ 8.90	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area A	TBD	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area B	TBD	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area C	TBD	See NRC prices below
	DS3 Sub-Loop - area A	TBD	See NRC prices below
	DS3 Sub-Loop - area B	TBD	See NRC prices below
	DS3 Sub-Loop - area C	TBD	See NRC prices below
	SAI/FDI to NID Sub-Loop		
	2 Wire Analog - area A	\$ 5.46	See NRC prices below
	2 Wire Analog - area B	\$ 5.77	See NRC prices below
	2 Wire Analog - area C	\$ 9.63	See NRC prices below
	4 Wire Analog - area A	\$ 10.96	See NRC prices below
	4 Wire Analog - area B	\$ 11.54	See NRC prices below
	4 Wire Analog - area C	\$ 19.25	See NRC prices below
	2 Wire xDSL - area A	\$ 5.46	See NRC prices below
	2 Wire xDSL - area B	\$ 5.77	See NRC prices below
	2 Wire xDSL - area C	\$ 9.63	See NRC prices below
	4 Wire xDSL - area A	\$ 10.96	See NRC prices below
	4 Wire xDSL - area B	\$ 11.54	See NRC prices below
	4 Wire xDSL - area C	\$ 19.25	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area A	\$ 5.46	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area B	\$ 5.77	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area C	\$ 9.63	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area A	TBD	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area B	TBD	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area C	TBD	See NRC prices below
	DS3 Sub-Loop - area A	TBD	See NRC prices below
	DS3 Sub-Loop - area B	TBD	See NRC prices below
	DS3 Sub-Loop - area C	TBD	See NRC prices below
	Terminal to NID Sub-Loop		
	2 Wire Analog - area A	\$ 1.38	See NRC prices below
	2 Wire Analog - area B	\$ 1.25	See NRC prices below
	2 Wire Analog - area C	\$ 1.21	See NRC prices below
	4 Wire Analog - area A	\$ 2.80	See NRC prices below
	4 Wire Analog - area B	\$ 2.53	See NRC prices below
	4 Wire Analog - area C	\$ 2.42	See NRC prices below
	2 Wire xDSL - area A	\$ 1.38	See NRC prices below
	2 Wire xDSL - area B	\$ 1.25	See NRC prices below
	2 Wire xDSL - area C	\$ 1.21	See NRC prices below
	4 Wire xDSL - area A	\$ 2.80	See NRC prices below
	4 Wire xDSL - area B	\$ 2.53	See NRC prices below
	4 Wire xDSL - area C	\$ 2.42	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area A	\$ 1.38	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area B	\$ 1.25	See NRC prices below

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 ICA

Pricing Schedule

MICHIGAN		AIT	
		RECURRING	AIT
		Monthly	Nonrecurring
	2 Wire 160 Kbps (ISDN-BRI) - area C	\$ 1.21	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area A	TBD	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area B	TBD	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area C	TBD	See NRC prices below
	DS3 Sub-Loop - area A	TBD	See NRC prices below
	DS3 Sub-Loop - area B	TBD	See NRC prices below
	DS3 Sub-Loop - area C	TBD	See NRC prices below
	NID Sub-Loop Element		
	2 Wire Analog - area A	TBD	See NRC prices below
	2 Wire Analog - area B	TBD	See NRC prices below
	2 Wire Analog - area C	TBD	See NRC prices below
	4 Wire Analog - area A	TBD	See NRC prices below
	4 Wire Analog - area B	TBD	See NRC prices below
	4 Wire Analog - area C	TBD	See NRC prices below
	2 Wire xDSL - area A	TBD	See NRC prices below
	2 Wire xDSL - area B	TBD	See NRC prices below
	2 Wire xDSL - area C	TBD	See NRC prices below
	4 Wire xDSL - area A	TBD	See NRC prices below
	4 Wire xDSL - area B	TBD	See NRC prices below
	4 Wire xDSL - area C	TBD	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area A	\$ 0.16	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area B	\$ 0.15	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area C	\$ 0.15	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area A	TBD	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area B	TBD	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area C	TBD	See NRC prices below
	DS3 Sub-Loop - area A	TBD	See NRC prices below
	DS3 Sub-Loop - area B	TBD	See NRC prices below
	DS3 Sub-Loop - area C	TBD	See NRC prices below
	SPOI to Demarc Sub-Loop		
	2 Wire Analog - area A	TBD	See NRC prices below
	2 Wire Analog - area B	TBD	See NRC prices below
	2 Wire Analog - area C	TBD	See NRC prices below
	4 Wire Analog - area A	TBD	See NRC prices below
	4 Wire Analog - area B	TBD	See NRC prices below
	4 Wire Analog - area C	TBD	See NRC prices below
	2 Wire xDSL - area A	TBD	See NRC prices below
	2 Wire xDSL - area B	TBD	See NRC prices below
	2 Wire xDSL - area C	TBD	See NRC prices below
	4 Wire xDSL - area A	TBD	See NRC prices below
	4 Wire xDSL - area B	TBD	See NRC prices below
	4 Wire xDSL - area C	TBD	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area A	TBD	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area B	TBD	See NRC prices below
	2 Wire 160 Kbps (ISDN-BRI) - area C	TBD	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area A	TBD	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area B	TBD	See NRC prices below
	4 Wire DS1 (1.544 Mbps) - area C	TBD	See NRC prices below
	DS3 Sub-Loop - area A	TBD	See NRC prices below
	DS3 Sub-Loop - area B	TBD	See NRC prices below
	DS3 Sub-Loop - area C	TBD	See NRC prices below
	Sub-Loop Nonrecurring Line Connection Charge		
	2-Wire Analog Sub-Loop - Installation	NA	TBD
	2-Wire Analog Sub-Loop - Disconnection	NA	TBD
	4-Wire Analog Sub-Loop - Installation	NA	TBD
	4-Wire Analog Sub-Loop - Disconnection	NA	TBD
	2-Wire xDSL Digital Sub-Loop - Installation	NA	TBD
	2-Wire xDSL Digital Sub-Loop - Disconnection	NA	TBD
	4-Wire xDSL Digital Sub-Loop - Installation	NA	TBD
	4-Wire xDSL Digital Sub-Loop - Disconnection	NA	TBD
	2-Wire ISDN Digital Sub-Loop - Installation	NA	TBD
	2-Wire ISDN Digital Sub-Loop - Disconnection	NA	TBD
	4-Wire DS-1 (1.544 Mbps) Digital Sub-Loop - Installation	NA	TBD
	4-Wire DS-1 (1.544 Mbps) Digital Sub-Loop - Disconnection	NA	TBD
	DS3 Sub-Loop - Installation	NA	TBD
	DS3 Sub-Loop - Disconnection	NA	TBD

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MICHIGAN		AIT	
		RECURRING	AIT
		Monthly	Nonrecurring
Service Order Charge			
	Analog Sub-Loop Installation, per occasion, per location	NA	\$ 3.16
	Analog Sub-Loop Disconnect, per occasion, per location	NA	\$ 1.54
	Analog Sub-Loop Subsequent, per occasion	NA	\$ 3.02
	Analog Sub-Loop Record Work, per occasion	NA	\$ 1.86
Connection Charge			
	Analog Sub-Loop Connection, per termination	NA	\$ 17.82
	Analog Sub-Loop Disconnection, per termination	NA	\$ 5.85
Nonrecurring Digital Sub-Loop			
	DS-1 Administration Charge - Initial Order	NA	\$ 136.82
	DS-1 Administration Charge - Disconnect Order	NA	\$ 98.89
	DS-1 Design & CO Connection Charge - Initial Order	NA	\$ 339.17
	DS-1 Design & CO Connection Charge - Disconnect Order	NA	\$ 47.15
	DS-1 Carrier Connection Charge - Initial Order	NA	\$ 209.19
	DS-1 Carrier Connection Charge - Disconnect Order	NA	\$ 75.01
	DS-3 Administration Charge - Initial Order	NA	\$ 120.93
	DS-3 Administration Charge - Disconnect Order	NA	\$ 78.65
	DS-3 Design & CO Connection Charge - Initial Order	NA	\$ 464.19
	DS-3 Design & CO Connection Charge - Disconnect Order	NA	\$ 103.83
	DS-3 Carrier Connection Charge - Initial Order	NA	\$ 129.24
	DS-3 Carrier Connection Charge - Disconnect Order	NA	\$ 51.13
Cancellation or Change Service Charge, per last critical date reached			
	Analog Sub-Loops - Design Layout Report Date	NA	\$ 4.03
	Analog Sub-Loops - Record Issue Date	NA	\$ 17.90
	Analog Sub-Loops - Designed, Verified & Assigned Date	NA	\$ 35.78
	Analog Sub-Loops - Plant Test Date	NA	\$ 45.60
	Digital DS-1 Sub-Loops - Design Layout Report Date	NA	\$ 327.96
	Digital DS-1 Sub-Loops - Records Issue Date	NA	\$ 423.21
	Digital DS-1 Sub-Loops - Designed, Verified & Assigned Date	NA	\$ 439.33
	Digital DS-1 Sub-Loops - Plant Test Date	NA	\$ 685.18
	Digital DS-3 Sub-Loops - Design Layout Report Date	NA	\$ 119.71
	Digital DS-3 Sub-Loops - Records Issue Date	NA	\$ 546.17
	Digital DS-3 Sub-Loops - Designed, Verified & Assigned Date	NA	\$ 569.87
	Digital DS-3 Sub-Loops - Plant Test Date	NA	\$ 714.50
Due Date Change Charge, per order per occasion			
	Analog Sub-Loops	NA	\$ 3.16
	Digital DS-1 Sub-Loops	NA	\$ 18.76
	Digital DS-3 Sub-Loops	NA	\$ 18.76
Local Switching (ULS Usage)			
	ULS Usage Per MOU	\$ 0.001192	NA
	Customized Routing per New Line Class Code, per LCC, per switch	NA	\$ 225.97
	Customized Routing per New Routing, per route, per switch	NA	\$ 14.03
	Custom Routing of OS or DA via AIN		
	New Custom OS or DA Route for ULS-St, per carrier, per switch, per route - Install	NA	\$ 84.28
	New Custom OS or DA Route for ULS-St, per carrier, per switch, per route - Disconnect	NA	\$ 27.14
Port Charges			
	Analog Line Port	\$ 2.53	NA
	Analog Line Port - Install	NA	\$ 11.89
	Analog Line Port - Disconnect	NA	\$ 6.63
	Ground Start Port	\$ 2.53	NA
	Ground Start Port - Install	NA	\$ 11.89
	Ground Start Port - Disconnect	NA	\$ 6.63
	Analog DID Trunk Port	\$ 20.62	NA
	Analog DID Trunk Port - Install	NA	\$ 11.89
	Analog DID Trunk Port - Disconnect	NA	\$ 6.63
	Analog DID Trunk Port, per port, per telephone number	\$ 0.03	NA
	Analog DID Trunk Port, add/rearrange each termination - Install	NA	\$ 14.03
	Analog DID Trunk Port, add/rearrange each termination -Disconnect	NA	\$ 8.13
	ISDN Direct BRI Port	\$ 8.19	NA
	ISDN Direct BRI Port - Install	NA	\$ 40.72
	ISDN Direct BRI Port - Disconnect	NA	\$ 21.78

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Pricing Schedule

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ISDN Direct BRI Port, per port, per telephone number		\$ 0.03	NA
ISDN Prime PRI Port		\$ 159.60	NA
ISDN Prime PRI Port, per port, per telephone number		\$ 0.03	NA
ISDN Prime PRI Port - Install		NA	\$ 40.72
ISDN Prime PRI Port, Disconnect		NA	\$ 21.78
ISDN Prime PRI Port, add/rearrange channels - Install		NA	\$ 14.03
ISDN Prime PRI Port, add/rearrange channels - Disconnect		NA	\$ 8.13
Digital Trunking Trunk Port		\$ 155.50	NA
Digital Trunking Trunk Port - Install		NA	\$ 40.72
Digital Trunking Trunk Port - Disconnect		NA	\$ 21.78
ULS Trunk Port, per port		\$ 70.64	NA
ULS Trunk Port, per port - Install		NA	\$ 92.79
ULS Trunk Port, per port - Disconnect		NA	\$ 73.63
Centrex Basic Line Port, per port		\$ 2.53	NA
Centrex Basic Line Port, per port - Install		NA	\$ 11.89
Centrex Basic Line Port, per port - Disconnect		NA	\$ 6.63
Centrex ISDN BRI Port, per port		\$ 8.19	NA
Centrex ISDN BRI Port, per port - Install		NA	\$ 40.72
Centrex ISDN BRI Port, per port - Disconnect		NA	\$ 21.78
Centrex EKL Line Port, per port		\$ 5.52	NA
Centrex EKL Line Port, per port - Install		NA	\$ 40.72
Centrex EKL Line Port, per port - Disconnect		NA	\$ 21.78
Centrex Attendant Console Line Port, per port		\$ 6.39	NA
Centrex Attendant Console Line Port, per port - Install		NA	\$ 40.72
Centrex Attendant Console Line Port, per port - Disconnect		NA	\$ 21.78
Centrex System Features, per common block		\$0.00	NA
Common Block, establishment, each - Install		NA	\$ 80.04
Common Block, establishment, each - Disconnect		NA	\$ 62.08
System features change or rearrangement, per feature, per occasion		NA	\$ 66.91
System features activation or deactivation, per feature, per occasion - Install		NA	\$ 210.62
System features activation or deactivation, per feature, per occasion - Disconnect		NA	\$ 64.65
Unbundled Network Element Combinations			
Nonrecurring charges/rates shall be as directed by the Commission in its August 30, 2000 order in Case U-11831, at page 10.			
UNE -Platform (UNE-P)		Rates for Applicable Elements Shall Apply	
UNE-Loop (UNE-L)		Rates for Applicable Elements Shall Apply	
Migration Charges			
Basic Port		NA	\$ 0.35
Ground Port		NA	\$ 0.35
ISDN Direct		NA	\$ 0.35
DID Trunk Port		NA	\$ 0.35
Centrex Basic Line Port		NA	\$ 0.35
Centrex ISDN Line Port		NA	\$ 0.35
Centrex EKL Line Port		NA	\$ 0.35
Centrex Attendant Console Line Port		NA	\$ 0.35
ISDN Prime Trunk Port		NA	\$ 36.38
Digital Trunking Trunk Port		NA	\$ 36.38
ULS Trunk Port		NA	\$ 36.38
Port Non-Recurring Charges			
Service Order - Basic Port, per occasion, Install		NA	\$ 3.02
Service Order - Basic Port, per occasion, Disconnect		NA	\$ 1.54
Service Order - Complex Port, per occasion, Install		NA	\$ 30.09
Service Order - Complex Port, per occasion, Disconnect		NA	\$ 7.50
Service Order - ULS Trunk Port, per occasion, Install		NA	\$ 64.01
Service Order - ULS Trunk Port, per occasion, Disconnect		NA	\$ 39.57
Service Order - Subsequent Basic Port, per occasion, Install		NA	\$ 3.18
Service Order - Record Order, Basic Port, per occasion, Install		NA	\$ 1.86
Service Order - Record Order, Complex Port, per occasion, Install		NA	\$ 1.86
Service Order - Record Order, ULS Trunk Port, per occasion, Install		NA	\$ 1.86
Conversion from basic line port to ground start or vice versa, per change, Install		NA	\$ 11.89
Subsequent Training, per SBC person, per hour		NA	\$ 81.01
ULS Usage Billing and Trunk Order Development Charge		NA	\$ 163.82
Port Feature Add/Change Translations Charge			

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Pricing Schedule

MICHIGAN		AIT	
		RECURRING	AIT
		Monthly	Nonrecurring
Initial (1st) feature per port, per order			
	Basic - Install	NA	\$0.00
	Basic - Disconnect	NA	\$0.00
	Simple Centrex - Install	NA	\$0.00
	Simple Centrex - Disconnect	NA	\$0.00
	PBX - Initial	NA	\$0.00
	PBX - Disconnect	NA	\$0.00
	Complex Centrex - Install	NA	\$ 16.14
	Complex Centrex - Disconnect	NA	\$ 10.72
	DID/Digital Trunk - Install	NA	\$ 32.69
	DID/Digital Trunk - Disconnect	NA	\$ 8.37
	ISDN- Direct - Install	NA	\$ 65.73
	ISDN - Direct - Disconnect	NA	\$ 22.69
	ISDN - Prime - Install	NA	\$ 32.69
	ISDN - Prime - Disconnect	NA	\$ 11.19
Additional (each) feature per port, per order			
	Basic - Install	NA	\$0.00
	Basic - Disconnect	NA	\$0.00
	Simple Centrex - Install	NA	\$0.00
	Simple Centrex - Disconnect	NA	\$0.00
	PBX - Initial	NA	\$0.00
	PBX - Disconnect	NA	\$0.00
	Complex Centrex - Install	NA	\$ 2.93
	Complex Centrex - Disconnect	NA	\$ 2.12
	DID/Digital Trunk - Install	NA	\$ 1.60
	DID/Digital Trunk - Disconnect	NA	\$ 1.38
	ISDN- Direct - Install	NA	\$ 5.06
	ISDN - Direct - Disconnect	NA	\$ 4.36
	ISDN - Prime - Install	NA	\$ 1.60
	ISDN - Prime - Disconnect	NA	\$ 1.38
Cancellation or Change Service Charge, per last critical date reached			
Basic Line Port			
	Design Layout Report Date	NA	\$ 3.16
	Records Issue Date	NA	\$ 7.53
	Designed, Verified and Assigned Date	NA	\$ 14.91
	Plant Test Date	NA	\$ 14.91
Complex Line Port			
	Design Layout Report Date	NA	\$ 30.22
	Records Issue Date	NA	\$ 36.01
	Designed, Verified and Assigned Date	NA	\$ 50.84
	Plant Test Date	NA	\$ 70.80
Trunk Port			
	Design Layout Report Date	NA	\$ 18.90
	Records Issue Date	NA	\$ 150.74
	Designed, Verified and Assigned Date	NA	\$ 156.80
	Plant Test Date	NA	\$ 156.80
New Line Class Code			
	Interdepartmental Meeting	NA	\$ 67.79
	Line Class Code Assignment	NA	\$ 180.78
	Translations: writing, accepting, & testing	NA	\$ 214.67
	Plant Test Date	NA	\$ 225.97
New Network Routing			
	Interdepartmental Meeting	NA	\$ 4.21
	Line Class Code Assignment	NA	\$ 11.23
	Translations: writing, accepting, & testing	NA	\$ 13.35
	Plant Test Date	NA	\$ 14.03
Due Date Change Charge, per order per occasion			
	Basic Line Port	NA	\$ 3.02
	Trunk Port	NA	\$ 18.76
	Complex Line Port	NA	\$ 30.09
Daily Usage Feed, per message (DUF)		\$ 0.000672	NA
Cross Connects (Loops, Ports, Sub Loops, Ded./Interoffice Transport, Tandem Switching) - 4			
	2-Wire	\$ 0.13	NA
	4-Wire	\$ 0.25	NA

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Pricing Schedule

MICHIGAN		AIT	
		RECURRING Monthly	AIT Nonrecurring
	6-Wire	\$ 0.38	NA
	8-Wire	\$ 0.50	NA
	DS1/LT1	\$ 0.27	NA
	DS3/LT3	\$ 1.15	NA
	OC3	\$ 0.88	NA
	OC12	\$ 0.88	NA
	OC48	\$ 0.88	NA
Unbundled Tandem Switching			
	per minute of use (without Tandem Trunks)	\$ 0.001058	per MOU
	Unbundled Tandem Switch Port(DS1) with features (per port)	\$ 152.83	NA
	Unbundled Tandem Switch Port(DS1) with features (per port) - Installation	NA	\$ 115.33
	Unbundled Tandem Switch Port(DS1) with features (per port) - Disconnection	NA	\$ 82.83
	Service Order Charge (per order) Installation	NA	\$ 45.97
	Service Order Charge (per order) Disconnection	NA	\$ 45.51
	Subsequent Changes (per trunk group) Installation	NA	\$ 14.03
	Subsequent Changes (per trunk group) Disconnection	NA	\$ 8.13
Cancellation or Change Service Charge, per last critical date reached			
	DS-1 Design Layout Report Date	NA	\$ 18.90
	DS-1 Records Issue Date	NA	\$ 150.74
	DS-1 Designed, Verified & Assigned Date	NA	\$ 156.80
	DS-1 Plant Test Date	NA	\$ 156.80
	Due Date Change Charge, per order, per occasion	NA	\$ 18.76
Unbundled Switching with Shared Transport (ULS-ST)			
	ULS Usage (for ULS-ST)	\$ 0.000522	per MOU
	ULS-ST Blended Transport Usage	\$ 0.000730	per MOU
	ULS-ST Common Transport Usage	\$ 0.000446	per MOU
	ULS-ST Tandem Switching Usage	\$ 0.000191	per MOU
	ULS-ST Reciprocal Compensation	\$ 0.000522	per MOU
	ULS-ST SS7 Signaling Transport	\$ 0.000145	per Message
Unbundled Interoffice Transport			
	Entrance Facility - per point of termination		
	DS1	Zone 1	\$ 34.66 NA
		Zone 2	\$ 41.57 NA
		Zone 3	\$ 47.26 NA
	DS3	Zone 1	\$ 114.33 NA
		Zone 2	\$ 117.09 NA
		Zone 3	\$ 118.25 NA
	OC3	All Zones	\$ 411.35 NA
	OC12	All Zones	\$ 999.31 NA
	OC48	All Zones	\$ 2,669.81 NA
	Interoffice Transport:		
	DS1	Interoffice Mileage Termination - Per Point of Termination - All Zones	\$ 10.06 NA
		Interoffice Mileage - Per Mile - All Zones	\$ 0.36 NA
	DS3	Interoffice Mileage Termination - Per Point of Termination - All Zones	\$ 53.73 NA
		Interoffice Mileage - Per Mile - All Zones	\$ 9.87 NA
	OC3	Interoffice Mileage Termination - Per Point of Termination - All Zones	\$ 203.01 NA
		Interoffice Mileage - Per Mile - All Zones	\$ 29.63 NA
	OC12	Interoffice Mileage Termination - Per Point of Termination - All Zones	\$ 508.09 NA
		Interoffice Mileage - Per Mile - All Zones	\$ 54.59 NA
	OC48	Interoffice Mileage Termination - Per Point of Termination - All Zones	\$ 1,337.29 NA
		Interoffice Mileage - Per Mile - All Zones	\$ 218.39 NA
Multiplexing			
	DS1 to Voice Grade	\$ 178.18	NA
	DS3 to DS1	\$ 262.31	NA
	OC3	Add/Drop Multiplexing - Per Arrangement	\$ 268.79 NA
		Add/Drop Function	
		- Per DS3 Add or Drop	\$ 33.08 NA
		- Per DS1 Add or Drop	\$ 3.83 NA
	OC12	Add/Drop Multiplexing - Per Arrangement	\$ 501.51 NA
		Add/Drop Function	
		- Per OC3 Add or Drop	\$ 44.85 NA

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Pricing Schedule

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		RECURRING	AIT
		Monthly	Nonrecurring
	- Per DS3 Add or Drop	\$ 14.32	NA
OC48	Add/Drop Multiplexing - Per Arrangement	\$ 264.88	NA
	Add/Drop Function		
	- Per OC12 Add or Drop	\$ 153.29	NA
	- Per OC3 Add or Drop	\$ 44.85	NA
	- Per DS3 Add or Drop	\$ 12.73	NA
Dark Fiber			
	Interoffice Dark Fiber		
	Interoffice Inquiry Charge - per request	NA	\$ 294.87
	Interoffice Administration Charge - per order Install	NA	\$ 12.52
	Interoffice Administration Charge - per order Disconnect	NA	\$ 14.12
	Interoffice Connection Charge - per strand Install	NA	\$ 413.66
	Interoffice Connection Charge - per strand Disconnect	NA	\$ 137.30
	Interoffice Mileage Termination - per Fiber per termination	\$ 13.61	NA
	Interoffice Mileage - per fiber per foot	\$ 0.00013	NA
	Interoffice Cross Connect - per cross connect	\$ 2.91	NA
	Loop/Sub-Loop Dark Fiber		
	Loop/Sub-Loop Inquiry Charge - per request	NA	\$ 69.49
	Loop/Sub-Loop Administration Charge - per order Install	NA	\$ 12.52
	Loop/Sub-Loop Administration Charge - per order Disconnect	NA	\$ 14.12
	Loop Connection Charge - CO to RT/CEV/HUT; CO to Premise, per strand Install	NA	\$ 320.58
	Loop Connection Charge - CO to RT/CEV/HUT; CO to Premise, per strand Disconnect	NA	\$ 138.06
	Sub-Loop Connection Charge - RT/CEV/HUT to Premises, per strand Install	NA	\$ 335.02
	Sub-Loop Connection Charge - RT/CEV/HUT to Premises, per strand Disconnect	NA	\$ 138.63
	Loop/Sub-Loop Mileage Termination - per fiber per termination	\$ 11.32	NA
	Loop/Sub-Loop Mileage Termination - per fiber per foot	\$ 0.00014	NA
	Loop/Sub-Loop Cross Connect	\$ 2.38	NA
Unbundled Interoffice Transport Optional Features & Functions			
DS1	Clear Channel Capability - Per 1.544 Mbps Circuit Arranged - Installation	NA	\$ 158.00
DS1	Clear Channel Capability - Per 1.544 Mbps Circuit Arranged - Disconnection	NA	\$ 6.65
OC3	1+1 Protection - Per OC3 Entrance Facility	\$0.00	NA
	1+1 Protection with Cable Survivability - Per OC3 Entrance Facility	\$0.00	\$ 1,552.98
	1+1 Protection with Route Survivability (1 & 2 below apply)		
	- (1) Per OC3 Entrance Facility	\$0.00	NA
	- (2) Per Quarter Route Mile	\$ 2.15	NA
OC12	1+1 Protection - Per OC12 Entrance Facility	\$0.00	NA
	1+1 Protection with Cable Survivability - Per OC12 Entrance Facility	\$0.00	\$ 1,552.98
	1+1 Protection with Route Survivability (1 & 2 below apply)		
	- (1) Per OC12 Entrance Facility	\$0.00	NA
	- (2) Per Quarter Route Mile	\$ 2.64	NA
OC48	1+1 Protection - Per OC48 Entrance Facility	\$0.00	NA
	1+1 Protection with Cable Survivability - Per OC48 Entrance Facility	\$0.00	\$ 1,552.98
	1+1 Protection with Route Survivability (1 & 2 below apply)		
	- (1) Per OC48 Entrance Facility	\$0.00	NA
	- (2) Per Quarter Route Mile	\$ 10.57	NA
Unbundled Interoffice Transport Installation & Rearrangement Charges			
DS1	Administration Charge - Per Order	NA	\$ 136.82
	Design & Central Office Connection Charge - Per Circuit	NA	\$ 339.17
	Carrier Connection Charge - Per Termination	NA	\$ 209.19
DS3	Administration Charge - Per Order	NA	\$ 120.93
	Design & Central Office Connection Charge - Per Circuit	NA	\$ 464.19
	Carrier Connection Charge - Per Termination	NA	\$ 129.24
OC3	Administration Charge - Per Order	NA	\$ 76.37
	Design & Central Office Connection Charge - Per Circuit	NA	\$ 507.08
	Carrier Connection Charge - Per Termination	NA	\$ 474.40
OC12	Administration Charge - Per Order	NA	\$ 76.37
	Design & Central Office Connection Charge - Per Circuit	NA	\$ 507.08
	Carrier Connection Charge - Per Termination	NA	\$ 474.40
OC48	Administration Charge - Per Order	NA	\$ 76.37
	Design & Central Office Connection Charge - Per Circuit	NA	\$ 507.08
	Carrier Connection Charge - Per Termination	NA	\$ 474.40
Unbundled Interoffice Transport Disconnection Charges			
DS1	Administration Charge - Per Order	NA	\$ 74.33
	Design & Central Office Connection Charge - Per Circuit	NA	\$ 34.41

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MICHIGAN		AIT	
		RECURRING	AIT
		Monthly	Nonrecurring
	Carrier Connection Charge - Per Termination	NA	\$ 75.01
DS3	Administration Charge - Per Order	NA	\$ 78.65
	Design & Central Office Connection Charge - Per Circuit	NA	\$ 103.83
	Carrier Connection Charge - Per Termination	NA	\$ 51.13
OC3	Administration Charge - Per Order	NA	\$ 19.66
	Design & Central Office Connection Charge - Per Circuit	NA	\$ 4.99
	Carrier Connection Charge - Per Termination	NA	\$ 0.00
OC12	Administration Charge - Per Order	NA	\$ 19.66
	Design & Central Office Connection Charge - Per Circuit	NA	\$ 4.99
	Carrier Connection Charge - Per Termination	NA	\$ 0.00
OC48	Administration Charge - Per Order	NA	\$ 19.66
	Design & Central Office Connection Charge - Per Circuit	NA	\$ 4.99
	Carrier Connection Charge - Per Termination	NA	\$ 0.00
Cancellation or Change Service Charges, per last critical date reached			
	DS-1 Design Layout Report Date	NA	\$ 327.96
	DS-1 Record Issue Date	NA	\$ 423.21
	DS-1 Designed, Verified and Assigned Date	NA	\$ 439.33
	DS-1 Plant Test Date	NA	\$ 685.18
	DS-3 Design Layout Report Date	NA	\$ 119.71
	DS-3 Record Issue Date	NA	\$ 546.17
	DS-3 Designed, Verified and Assigned Date	NA	\$ 569.87
	DS-3 Plant Test Date	NA	\$ 714.50
	OC-3, OC-12, OC-48 Design Layout Report Date	NA	\$ 478.36
	OC-3, OS-12, OC-48 Record Issue Date	NA	\$ 569.37
	OC-3, OC-12, OC-48 Designed, Verified and Assigned Date	NA	\$ 569.37
	OC-3, OC-12, OC-48 Plant Test Date	NA	\$ 1,057.84
Due Date Change Charge, per order, per occasion			
	DS-1	NA	\$ 18.76
	DS-3	NA	\$ 18.76
	OC-3, OC-12, OC-48	NA	\$ 23.59
Digital Cross-Connect System			
	DCS Port Charge	ICB	ICB
DS1		ICB	ICB
DS3		ICB	ICB
	DCS Establishment Charge	ICB	ICB
	Database Modification Charge	ICB	ICB
	Reconfiguration Charge	ICB	ICB
Line Information Database - LIDB per query			
	Validation Query (Regional STP Access Includes SMS & Sleuth)	\$ 0.005572	(per query)
	Query Transport (Regional STP Access Validation)	\$ 0.000002	(per query)
	Validation Query (Local STP Access Includes SMS & Sleuth)	\$ 0.005572	(per query)
	Query Transport (Local STP Access Validation)	\$ 0.000085	(per query)
	CNAM Database Query	\$ 0.008	
	LIDB Data Storage & Administration [for use with LIDB AS Appendix]		
	Manual Update - per update	NA	\$ 2.00
Calling Name (CNAM) Download			
	Initial Download	\$0.000027 (per record)	\$15481.64 (per request)
	Refresh Download	\$0.000027 (per record)	\$48.68 (per request)
	Update Download	\$0.006504 (per record)	NA
800 Database - per query			
Usage			
	Ameritech Provided Facilities		
	Call-Routing Query	\$ 0.000931	(per query)
	Routing Options Query	\$ 0.000036	(per query)
	Local STP, Facilities Based		
	Carrier ID Only Query	\$ 0.000895	(per query)
	Routing Options	\$ 0.000036	(per query)
	Regional STP, Facilities Based		
	Carrier ID Only Query	\$ 0.000814	(per query)
	Routing Options Query	\$ 0.000036	(per query)
SS7			
	SS7 Links - Cross Connects		

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Pricing Schedule

MICHIGAN		AIT	
		RECURRING Monthly	AIT Nonrecurring
	STP to Collocators Cage - DS0	See Dedicated Transport	NA
	STP to Collocators Cage - DS1	See Dedicated Transport	NA
	STP to SBC MDF - DS0	See Dedicated Transport	NA
	STP to SBC DSX Frame - DS1	See Dedicated Transport	NA
	SS7 Links		
	STP Access Connection - 1.544 Mbps	See Dedicated Transport	NA
	STP Access Line 56 Kbps	See Dedicated Transport	NA
	SS7 Signalling	Usage	
	Signal Switching/IAM msg (ISUP)	\$ 0.000073	NA
	Signal Transport/IAM msg (ISUP)	\$ 0.000051	NA
	Signal Formulation/IAM msg (ISUP)	\$ 0.000229	NA
	Signal Tandem Switching/IAM msg (ISUP)	\$ 0.000123	NA
	Signal Switching/TCAP msg	\$ 0.000056	NA
	Signal Transport/TCAP msg	\$ 0.000034	NA
	Signal Formulation/TCAP msg	\$ 0.000118	NA
	Originating Point Code, per service, add or change, per STP pair installation	NA	\$ 25.98
	Originating Point Code, per service, add or change, per STP pair disconnection	NA	\$ 22.40
	Global Title Translation Addition or Change, per STP pair installation	NA	\$ 12.29
	Global Title Translation Addition or Change, per STP pair disconnection	NA	\$ 10.59
	Signal Transfer Point (STP)	\$ 253.73	NA
	Signal Transfer Point (STP) - installation	NA	\$ 879.58
	Signal Transfer Point (STP) - disconnection	NA	\$ 134.45
	Unbundled Access to AIN - AIN Database Query	BFR	NA
	OTHER		
	Emergency Number Services Access		
	9-1-1 Selective Router Interconnection		
	Digital DS1 Interface	\$ 205.16	\$ 572.39
	Each DS0 Installed	NA	\$ 319.30
	Analog Channel Interface	\$ 19.81	\$ 496.18
	ANI/ALI/SR and Database Management		
	Per 100 Records	\$ 3.93	\$ 0.00
	ANI Databases		
	AIN Database Query	BFR	NA
	9-1-1 Selective Router Switch Administration		
	Per Selective Router	\$ 5.06	\$ 233.32
	Universal Emergency Number 9-1-1/Telecommunications Service Tariff	Tariff 20R, Part 8, Section 3	
	Ameritech DS1 Service		
	Exchange Circuit	Unregulated Service	
	Access Service	Tariff FCC No. 2, Section 7	
	Analog Channel (3002 Channel)		
	Exchange Circuit	Unregulated Service	
	Access Circuit	Tariff FCC No. 2, Section 7	
	Directory Assistance		
	*Directory Assistance - per call	\$ 0.263	NA
	*Directory Assistance Call Completion (DACC) - per call	\$ 0.021	NA
	*MPSC ordered rates: not voluntarily agreed by SBC		
	National Directory Assistance - per occurrence	\$ 0.35	NA
	Directory Assistance Listing Service		
	*DAL Initial Load, per listing	NA	\$ 0.02800
	*DAL Daily Update, per listing	NA	\$ 0.02800
	*DAL Update, per month	NA	\$ 1,258.69
	*DAL Set-UP Charge	NA	\$ 5,096.30
	*MPSC ordered rates not voluntarily agreed by SBC		
	Non-Pub ENS	NA	\$1.50

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AMERITECH/MCI
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		RECURRING Monthly	AIT Nonrecurring
Operator Services			
*Manual Call Assistance (No LIDB Validation)			
	Sent-paid, Person-Person, Station-Station, Operator Assist, per occurrence	\$ 0.287	NA
*Manual Call Assistance (LIDB Validation)			
	Collect, Calling Card, Third Number, per occurrence	\$ 0.347	NA
	Automated Call Assistance, per call	\$ 0.083	NA
	*Busy Line Verification, per occurrence	\$ 0.621	NA
	*Busy Line Verification Interrupt, per occurrence	\$ 0.762	NA
	*MPSC ordered rates: not voluntarily agreed by SBC		
* OS/DA Rate Reference/Branding			
Branding			
For calls delivered over shared trunks :			
	* -per call	\$ 0.005461	NA
	* -per switch, initial load	NA	\$ 958.50
	* -per switch, subsequent load	NA	\$ 125.40
For calls delivered over dedicated trunks:			
	* - per trunk group	NA	\$ 403.64
	*MPSC ordered rates: not voluntarily agreed by SBC		
Rate Reference			
	- Initial Load	NA	\$0.00
	- Subsequent Rater Load or Reference Load	NA	\$0.00
	Interim subject to true-up after the Commission issues appropriate rates		
RECIPROCAL COMPENSATION			
Tandem Switching			
	Setup Charge - per call	\$ 0.000131	NA
	Duration Charge - per MOU	\$ 0.000234	NA
Tandem Transport			
	Termination Setup Charge - per call	\$ 0.000087	NA
	Termination Duration Charge - per MOU	\$ 0.000156	NA
	Facility Mileage per Minute, per Mile	\$ 0.000002	NA
Local End Office Termination			
	Setup Charge - per call	\$ 0.001885	NA
	Duration Charge - per MOU	\$ 0.000605	NA
TRANSIT SERVICE			
Tandem Switching			
	per minute of use	\$ 0.004985	NA
Tandem Transport			
	per minute of use	\$ 0.000156	NA
Tandem Transport Facility			
	per minute of use	\$ 0.000036	NA
STRUCTURE ACCESS - POLES & DUCTS			
		Annually	
	Pole Attachment Fee	\$ 1.48	NA
	Conduit Attachment Fee - per foot of innerduct	\$ 0.08	NA
	Application Fee	NA	\$ 200.00
TIME AND MATERIAL			
	Trip Charge, per visit	NA	\$ 71.00
	initial 1/2 hour	NA	\$ 24.59
	additional 1/2 hour	NA	\$ 21.59
RESALE			
	Discount is applicable to tariffed rate of service identified		
		RESALE DISCOUNTS	
		RECURRING	NONRECURRING
BUSINESS			
LOCAL EXCHANGE SERVICE			
	Business 1 Party	18.15%	18.15%

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Pricing Schedule

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		RECURRING	AIT
		Monthly	Nonrecurring
Business - Measured		18.15%	18.15%
Customer Operated Pay Telephone (COPT)		18.15%	18.15%
EXPANDED LOCAL CALLING			
Interzone		18.15%	18.15%
VERTICAL SERVICES			
Anonymous Call Rejection		18.15%	18.15%
Repeat Dialing (Auto Redial)		18.15%	18.15%
Repeat Dialing-Per Use (Auto Redial - Usage Sensitive)		18.15%	18.15%
Call Blocker		18.15%	18.15%
Call Forwarding		18.15%	18.15%
Call Forwarding - Busy Line		18.15%	18.15%
Call Forwarding - Busy Line/Don't Answer		18.15%	18.15%
Call Forwarding - Don't Answer		18.15%	18.15%
Automatic CallBack (Call Return)		18.15%	18.15%
Automatic CallBack-Per Use (Call Return - Usage Sensitive)		18.15%	18.15%
Call Trace		18.15%	18.15%
Call Waiting		18.15%	18.15%
Caller ID WithName (Calling Name)		18.15%	18.15%
Caller ID (Calling Number)		18.15%	18.15%
MultiRing Service -1 (Personalized Ring -1 Dependent Number)		18.15%	18.15%
MultiRing Service -2 (Personalized Ring - 2 Dependent Numbers)		18.15%	18.15%
Remote Access to Call Forwarding (Grandfathered)		0.00%	0.00%
Selective Call Forwarding		0.00%	0.00%
Multi-Path Call Forwarding (Simultaneous Call Forwarding)		18.15%	18.15%
Remote Call Forwarding-Per Feature		18.15%	18.15%
RCF, Interstate, Interexchange		18.15%	18.15%
RCF, Intrastate		18.15%	18.15%
RCF, Interstate, International		18.15%	18.15%
RCF, Intrastate, Interexchange		18.15%	18.15%
RCF to 800		18.15%	18.15%
RCF Additional		18.15%	18.15%
Speed Calling 8		18.15%	18.15%
Speed Calling 30		18.15%	18.15%
Three Way Calling		18.15%	18.15%
Call Screening		18.15%	18.15%
Busy Line Transfer		18.15%	18.15%
Alternate Answer		18.15%	18.15%
Message Waiting - Tone		18.15%	18.15%
Easy Call		18.15%	18.15%
Prime Number Service		18.15%	18.15%
AMERITECH Privacy Manager		18.15%	18.15%
Name and Number Delivery Service		18.15%	18.15%
DID			
DID		18.15%	18.15%
TRUNKS			
Trunk		18.15%	18.15%
AIN			
Area Wide Networking		18.15%	18.15%
Ameritech Switch Alternate Routing (ANSAR)		18.15%	18.15%
Ameritech Customer Location Alternate Routing (ACLAR)		18.15%	18.15%
OTHER			
Grandfathered Services		0.00%	0.00%
Promotions (Greater than 90 days)		18.15%	18.15%
TouchTone (Business)		18.15%	18.15%
TouchTone (Trunk)		18.15%	18.15%
900/976 Call Blocking (900/976 Call Restriction)		0%	0%
976 (976 Information Delivery Service)		0%	0%
Access Services (See Access Tariff)		0%	0%
Additional Directory Listings		18.15%	18.15%
Carrier Disconnect Service (Company Initiated Suspension Service)		0%	0%
Connection Services		18.15%	18.15%
Premise Services/Line Backer (Maintenance of Service Charges)		0%	0%

TBD - To be determined
 BFR - Bona Fide Request
 ICB - Individual Case Basis
 NA - Not Applicable
 (-) - Not Available as of Effective Date

AMERITECH/MCI
 MICHIGAN
 ICA

MICHIGAN		AIT	
		RECURRING Monthly	AIT Nonrecurring
Shared Tenant Service		0%	0%
ISDN			
ISDN		18.15%	18.15%
DIRECTORY ASSISTANCE SERVICES		18.15%	18.15%
Local Operator Assistance Service		18.15%	18.15%
TOLL			
TOLL		18.15%	18.15%
OPTIONAL TOLL CALLING PLANS			
Optional Toll Calling Plans		18.15%	18.15%
CENTREX (PLEXAR)			
Ameritech Centrex Service ACS		18.15%	18.15%
Ameritech Centrex Network Manager		0.00%	0.00%
PRIVATE LINE			
Analog Private Lines		18.15%	18.15%
Private Line Channel Services		18.15%	18.15%
RESIDENCE			
LOCAL EXCHANGE SERVICE			
Life Line		0.00%	0.00%
Residence 1 Party		18.15%	18.15%
Residence Measured		18.15%	18.15%
EXPANDED LOCAL CALLING			
Interzone		18.15%	18.15%
VERTICAL SERVICES			
Anonymous Call Rejection		18.15%	18.15%
Repeat Dialing (Auto Redial)		18.15%	18.15%
Repeat Dialing -Per Use (Auto Redial - Usage Sensitive)		18.15%	18.15%
Call Blocker		18.15%	18.15%
Call Forwarding		18.15%	18.15%
Call Forwarding - Busy Line		18.15%	18.15%
Call Forwarding - Busy Line/Don't Answer		18.15%	18.15%
Call Forwarding - Don't Answer		18.15%	18.15%
Automatic Call-Back (Call Return)		18.15%	18.15%
Automatic Call-Back Per Use (Call Return - Usage Sensitive)		18.15%	18.15%
Call Trace		18.15%	18.15%
Call Waiting		18.15%	18.15%
Caller ID with Name (Calling Name)		18.15%	18.15%
Caller ID (Calling Number)		18.15%	18.15%
Multi-Ring Service - 1 (Personalized Ring- 1 dependent number)		18.15%	18.15%
Multi-Ring Service - 2 (Personalized Ring - 2 dependent numbers - 1st dependent number)		18.15%	18.15%
Remote Access to Call Forwarding (GF)		0.00%	0.00%
RCF, Interstate, Interexchange		18.15%	18.15%
RCF, Intrastate		18.15%	18.15%
RCF, Interstate, International		18.15%	18.15%
RCF, Intrastate, Interexchange		18.15%	18.15%
RCF to 800		18.15%	18.15%
RCF Additional		18.15%	18.15%
Selective Call Forwarding		18.15%	18.15%
Speed Calling 8		18.15%	18.15%
Three Way Calling		18.15%	18.15%
Call Screening		18.15%	18.15%
Busy Line Transfer		18.15%	18.15%
Alternate Answer		18.15%	18.15%
Message Waiting - Tone		18.15%	18.15%
Easy Call		18.15%	18.15%
AMERITECH Privacy Manager		18.15%	18.15%
Name and Number Delivery Service		18.15%	18.15%
ISDN			
ISDN		18.15%	18.15%

TBD - To be determined
 BFR - Bona Fide Request
 ICB - Individual Case Basis
 NA - Not Applicable
 (-) - Not Available as of Effective Date

AMERITECH/MCI
 MICHIGAN
 ICA

MICHIGAN		AIT	
		RECURRING	AIT
		Monthly	Nonrecurring
DIRECTORY ASSISTANCE SERVICES		18.15%	18.15%
Local Operator Assistance Service		18.15%	18.15%
OTHER			
Grandfathered Services		0.00%	0.00%
Promotions (Greater than 90 Days)		18.15%	18.15%
TouchTone		18.15%	18.15%
Home Services Packages		18.15%	18.15%
900/976 Call Blocking (900/976 Call Restriction)		0%	0%
976 (976 Information Delivery Service)		0%	0%
Access Services (See Access Tariff)		0%	0%
Additional Directory Listings		18.15%	18.15%
Carrier Disconnect Service (Company Initiated Suspension Service)		0%	0%
Connection Services		18.15%	18.15%
Premise Services/Line Backer (Maintenance of Service Charges)		0%	0%
Shared Tenant Service		0%	0%
TOLL			
Toll		18.15%	18.15%
Electronic Billing Information Data (daily usage)			
per message		\$0.00	NA
Local disconnect Report (LDR)			
Per WTN		\$0.00	NA
Line Connection Charge			
Residence		NA	\$ 34.38
Business		NA	\$ 34.38
Service Order/Service Request Charge			
Residence		NA	NA
Business		NA	NA
Non-Electronic (Manual) Service Order Charge			
Residence		NA	\$ 8.91
Business		NA	\$ 8.91

MICHIGAN BELL
TELEPHONE COMPANY
TARIFF M.P.S.C. NO. 20R

Ameritech

Tariff



PART 23 - Interconnection Service for Local
Exchange Telecommunications Carriers
SECTION 4 - Collocation Services

3rd Revised Sheet No. 1
Cancels
2nd Revised Sheet No. 1

/1/

APPLICATION OF TARIFF

(C)

This tariff sets forth the terms and conditions for physical and virtual collocation arrangements furnished or made available by Ameritech of Michigan (Ameritech) in the State of Michigan pursuant to Case No. U-11831 before the Michigan Public Service Commission.

Whenever reference is made in this tariff to other intrastate Michigan Tariffs of Ameritech, the reference is to the tariffs in effect as of the effective date of this tariff, and to amendments thereto and successive issues thereof.

The rates and services provided in this tariff are regulated and approved by the Commission in compliance with the Commission's rules and the Federal Telecommunications Act of 1996 ("FTA96").

Ameritech, where possible, will make available to the common carriers, services provided in other Ameritech tariffs under the Rules, Regulations and Rates provided in those tariffs except where specific exception is made in this tariff.

(C)

/1/ Also cancels the following sheets in this section:
1st Revised Sheet Nos. 1.1-1.5 and
Original Sheet No. 1.1.1

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By Robin Gleason, Vice President - Regulatory
Detroit, Michigan



PART 23 - Interconnection Service for Local
Exchange Telecommunications Carriers
SECTION 4 - Collocation Services

3rd Revised Sheet No. 2
Cancels
2nd Revised Sheet No. 2

/1/

1. PHYSICAL COLLOCATION (REGULATIONS)

(C)

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1. PHYSICAL COLLOCATION (REGULATIONS) (cont'd)

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Original Sheet No. 3.8 and
3rd Revised Sheet No. 3.10

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PART 23 - Interconnection Service for Local
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4th Revised Sheet No. 4
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1. PHYSICAL COLLOCATION (SERVICES AND RATES) (cont'd)

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 Detroit, Michigan



1. PHYSICAL COLLOCATION (REGULATIONS)

(C)

1. PURPOSE AND SCOPE OF TARIFF

- 1.1 This tariff provides for the placing of Collocator telecommunications equipment and facilities on Ameritech property for the purposes set forth in Paragraph 1.3, following.
- 1.2 Physical collocation provides actual space (hereinafter referred to as Dedicated Space) within an Ameritech Eligible Structure as defined in Paragraph 2 Definitions, following. The Collocator will lease the Dedicated Space from Ameritech and install certain of its own telecommunications equipment within the Dedicated Space that is necessary for the purposes set forth in Paragraph 1.3, following. Ameritech will provide caged, shared caged, cageless, and other physical collocation arrangements within its Eligible Structures. When space is Legitimately Exhausted inside an Eligible Structure, Ameritech will permit collocation in Adjacent Structures in accordance with this tariff so that collocators will have a variety of collocation options from which to choose.
- 1.3 Physical collocation is available for the placement of telecommunications equipment as provided for in this tariff for the purposes of (i) transmitting and routing telephone exchange service or exchange access pursuant to 47 U.S.C. 251(c)(2) of FTA96, or (ii) obtaining access to Ameritech's unbundled network elements pursuant to 47 U.S.C. 251(c)(3) of FTA96. The terms "telephone exchange service", "exchange access" and "network element" are used as defined in 47 U.S.C. 153(47), 47 U.S.C. 153(16), and 47 U.S.C. 153(29) of FTA96, respectively.

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Detroit, Michigan



1. PHYSICAL COLLOCATION (REGULATIONS) (cont'd)

(C)

2. DEFINITIONS (cont'd)

Active Collocation Space - Denotes the space within an Eligible Structure that can be designated for physical collocation, which has sufficient telecommunications infrastructure systems, including power. Any dispute as to whether administrative space within an Eligible Structure should be available for physical collocation, shall be resolved on a case-by-case basis by the use of the Third Party Engineer process pursuant to Section 6.2.1 of this Tariff. Space within CEVs, huts and cabinets and similar Eligible Structures that can be designated for physical collocation is considered to be Active Collocation Space.

Adjacent Off-site Arrangement - Where Physical Collocation space within an Ameritech Eligible Structure is Legitimately Exhausted, and the Collocator's Adjacent On-site space is not within 50 ft. of the Eligible Structure's outside perimeter wall, the Collocator has the option and Ameritech shall permit an Adjacent Structure Off-site Arrangement, to the extent technically feasible. The Adjacent Off-site Arrangement is available if the Collocator's site is located on a property that is contiguous to or within one standard city block of Ameritech's Central Office or Eligible Structure. Such arrangement shall be used for interconnection or access to unbundled network elements. When the Collocator elects to utilize an Adjacent Off-site Arrangement, the Collocator shall provide both the AC and DC power required to operate such facility. The Collocator may provide its own facilities to Ameritech's premises or to a mutually agreeable meet point from its Adjacent Off-site location for interconnection purposes. The Collocator may subscribe to facilities available in the UNE rate schedule of the Collocator's interconnection agreement or, the Collocator may subscribe to the applicable rates established in this tariff for access to unbundled network elements. The interim rates, subject to true up, established in this tariff for adjacent off-site arrangement apply only if collocator's adjacent off-site is located on a property that is contiguous to or within one standard city block of Ameritech's Central Office or Eligible Structure.

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Detroit, Michigan



1. PHYSICAL COLLOCATION (REGULATIONS) (cont'd)

(C)

2. DEFINITIONS (cont'd)

Adjacent Off-site Arrangement (Cont'd) - At the time the Collocator requests this arrangement, the Collocator must provide information as to the location of the Adjacent Off-site facility, the proposed method of interconnection, and the time frame needed to complete provisioning of the arrangement. Ameritech shall provide a response to Collocator within ten (10) days of receipt of the application, including a price quote, provisioning interval, and confirmation of the manner in which the Adjacent Off-site Facility will be interconnected with Ameritech's facilities. Ameritech shall make best efforts to meet the time intervals requested by Collocator and, if it cannot meet the Collocator's proposed deadline, shall provide detailed reasons, as well as proposed provisioning intervals.

In the event that interior space in an Eligible Structure becomes available, Ameritech will provide the option to the Collocator to relocate its equipment from an Adjacent On-site or an Adjacent Off-site Facility into the interior space. In the event the Collocator chooses to relocate its equipment into the interior space, appropriate charges applicable for collocation within the Eligible Structure will apply

Adjacent Structure - A Collocator-provided structure placed on Ameritech property (Adjacent On-site) or non-Ameritech property (Adjacent Off-site) adjacent to an Eligible Structure. This arrangement is only permitted when space is legitimately exhausted inside the Eligible Structure and to the extent technically feasible. Ameritech and CLEC will mutually agree on the location of the designated space on Ameritech premises where the adjacent structure will be placed. Ameritech will not withhold agreement as to the site desired by Collocator, subject only to reasonable safety and maintenance requirements.

Augment - A request from a collocator to add equipment and/or cable to an existing physical collocation arrangement.

(C)

/1/ Also cancels the following sheet in this section
1st Revised Sheet Nos. 8.2 - 8.3, 8.11 - 8.20
Original Sheet Nos. 8.1, 8.4 - 8.10 and
Original Sheet Nos. 8.20.1 - 8.20.15

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Detroit, Michigan



1. PHYSICAL COLLOCATION (REGULATIONS) (cont'd)

(C)

2. DEFINITIONS (cont'd)

Custom Work Charge - Denotes the charge(s) developed solely to meet the construction requirements of the Collocator, e.g., painting a cage. Custom work may not be charged to a Collocator for any work performed which will benefit or be used by Ameritech or other Collocators. Ameritech also may not impose a custom work charge without the Collocator's approval and agreement that the custom work is not included in the provision of collocation as provided for in the rate elements provided in this Tariff. Ameritech shall follow the procedures established in Section 20.1 of this Tariff for imposition of Custom Work Charges. In the event an agreement between the Collocator and Ameritech is not reached regarding the custom work charge, Ameritech shall complete construction of the Collocator's space pending resolution of the issue by the Commission and the Collocator may withhold payment for the disputed charges while the issue remains unresolved; however, any disputed Custom Work Charges paid by the Collocator or owed to Ameritech shall accrue interest at the rate established by the MPSC. All Custom Work Charges that are approved by the Public Utility Commission will be the basis for calculating a refund to a Collocator that has overpaid or the amount due to Ameritech that was not paid or underpaid. These overpaid or underpaid amounts will accrue at the above stated interest rate on a monthly basis from the date of completion of the work or the date of payment of the disputed amount, as appropriate. In the event that the requested work will benefit all or most Collocators, such work shall not be considered custom work; instead, Ameritech shall file the appropriate tariff amendment. However, Ameritech shall not delay completion of such work during the tariff approval process. Ameritech shall perform such work based upon interim rates, subject to true-up. If the Collocator and Ameritech cannot agree on interim rates, either party may seek informal dispute resolution at the

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Detroit, Michigan



PART 23 - Interconnection Service for Local
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SECTION 4 - Collocation Services

5th Revised Sheet No. 10
Cancels
4th Revised Sheet No. 10

1. PHYSICAL COLLOCATION (REGULATIONS) (cont'd)

(C)

2. DEFINITIONS (cont'd)

Dedicated Space - Denotes the space dedicated for the Collocator's physical collocation arrangement located in an Ameritech Eligible Structure.

Eligible Structure - Eligible Structure refers to Ameritech's central offices and serving wire centers, as well as all buildings or similar structures owned or leased by Ameritech that house its network facilities, and all structures that house Ameritech's facilities on public rights-of-way, including but not limited to vaults containing loop concentrators or similar structures.

Infrastructure systems - the structural components, such as floors capable of supporting equipment loads, heating, ventilating and air conditioning (HVAC) systems, electrical systems (AC power), high efficiency filtration, humidity controls, remote alarms, compartmentation and smoke purge.

Legitimately Exhausted - Denotes when all space in a Central Office (CO) that can be used or is useful to locate telecommunications equipment in any of the methods of collocation available under this Tariff is exhausted or completely occupied. Before Ameritech may make a determination that space in an Eligible Structure is legitimately exhausted, Ameritech must have removed all unused obsolete equipment from the Eligible Structure and made such space available for collocation; however, removal of the equipment shall not cause a delay in Ameritech's response to a Collocator's application or in provisioning collocation arrangements. The determination of exhaustion is subject to dispute resolution as provided in Section 6.2.1 of this Tariff. In making this determination, Ameritech may reserve space for transport equipment for current year plus two. Additionally, Ameritech may not reserve space for equipment for itself, for/of advanced or interLATA services affiliates or other Ameritech affiliates or for future use by Ameritech or its affiliates under conditions that are more favorable than those that apply to other telecommunications carriers seeking to reserve collocation space for their own use. Ameritech may reserve space for Switching, Power, and MDF up to a maximum of 8 years of anticipated growth. Ameritech may reserve space for DCS for 5 years of anticipated growth.

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Detroit, Michigan



PART 23 - Interconnection Service for Local
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SECTION 4 - Collocation Services

5th Revised Sheet No. 11
Cancels
4th Revised Sheet No. 11

/1/

1. PHYSICAL COLLOCATION (REGULATIONS) (cont'd)

(C)

2. DEFINITIONS (cont'd)

Legitimately Exhausted (Cont'd)

At the time that Ameritech denies a collocation request due to a lack of available space or determines that the space is Legitimately Exhausted, Ameritech must provide to the CLEC, upon request, the following information: (1) a detailed explanation of Ameritech's determination and all reasons in support thereof; (2) the access line forecast used in making the determination as defined above; and (3) a frame level diagram, which includes detailed floor plans for the Eligible Structure that is the subject of the determination, including the locations, size, and current and projected use of all areas reserved for Ameritech's future growth or reserved for use by Ameritech's affiliates on a frame level basis and the planned date for use of that space. The frame level diagram will also include detail for each frame or area reserved for future use, including a delineation of the type of equipment to be used in the reserved space. In estimating the space requirement for growth, Ameritech shall use the most recent access line growth rate and use the space requirement data applicable to any planned changes that reflect forward looking technology as it relates to switching, power, MDF and DCS. In the dispute resolution process, Ameritech shall bear the burden of establishing that its reservation of active telecommunications equipment space is just, reasonable, and nondiscriminatory. In addition, Ameritech shall not exclusively and unilaterally reserve active space that is supported by existing telecommunications infrastructure space. Ameritech shall disclose to CLECs the space it reserves for its own future growth and for that of its interLATA, advanced services, and other affiliates.

Other (Inactive) Collocation Space - Denotes the space within the central office that can be designated for physical collocation where infrastructure systems do not currently exist and must be constructed. The designation of Other (Inactive) Collocation Space is applicable to space within central offices only; other Eligible Structures such as CEVs, Huts, and Vaults are considered Active Collocation Space for purposes of this Tariff.

Preparation Charges - Denotes those charges associated with the initial preparation of the Collocator's Dedicated Space.

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/1/ Also cancels the following sheets in this section:
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Detroit, Michigan



PART 23 - Interconnection Service for Local
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SECTION 4 - Collocation Services

5th Revised Sheet No. 12
Cancels
4th Revised Sheet No. 12

/1/

1. PHYSICAL COLLOCATION (REGULATIONS) (cont'd)

(C)

2. DEFINITIONS (cont'd)

Technically Feasible - A collocation arrangement is technically feasible if, in accordance with either national standards or industry practice, there is no significant technical impediment to its establishment. A collocation arrangement shall be presumed to be technically feasible if it has been deployed by any incumbent local exchange carrier in the country.

Telecommunications Infrastructure Space - Denotes the square footage or linear footage of space, including common areas, used to house telecommunications infrastructure equipment necessary to support collocation space used for interconnection with or access to unbundled network elements of Ameritech's network and/or the network of another CLEC.

3. LIMITATION OF LIABILITY

3.1 Limitation

With respect to any claim or suit for damages arising in connection with the mistakes, omissions, interruptions, delays or errors, or defects in transmission occurring either in the course of furnishing service pursuant to this tariff, the liability of either Ameritech or the Collocator, if any, shall not exceed an amount equivalent to the proportionate monthly charge to the Collocator for the period during which such mistake, omission, interruption, delay, error, or defect in transmission or service occurs and continues.

Neither Ameritech nor the Collocator shall be responsible to the other for any indirect, special, consequential, lost profit, or punitive damages, whether in contract or tort.

Both Ameritech and the Collocator shall be indemnified and held harmless by the other against claims and damages by any third party arising from provision of the other ones' services or equipment except those claims and damages directly associated with the provision of services to each other which are governed by the provisioning party's applicable tariffs.

(C)

/1/ Also cancels the following sheet in this section:
2nd Revised Sheet No. 12.1

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PART 23 - Interconnection Service for Local
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SECTION 4 - Collocation Services

3rd Revised Sheet No. 13
Cancels
2nd Revised Sheet No. 13

/1/

1. PHYSICAL COLLOCATION (REGULATIONS) (cont'd)

(C)

3. LIMITATION OF LIABILITY (cont'd)

3.1 Limitation (Cont'd)

The liability of either Ameritech or the Collocator for its willful misconduct or gross negligence is not limited by this tariff.

3.2 Third Parties

Ameritech also may provide space in or access to the Eligible Structure, to other persons or entities ("Others"), which may include competitors of the Collocator's; that such space may be close to the Dedicated Space, possibly including space adjacent to the Dedicated Space and/or with access to the outside of the Dedicated Space within the collocation area; and that if caged, the cage around the Dedicated Space is a permeable boundary that will not prevent the Others from observing or even damaging the Collocator's equipment and facilities.

In addition to any other applicable limitation, neither Ameritech nor the Collocator shall have any liability with respect to any act or omission by any Other, regardless of the degree of culpability of any such Other, except in instances involving willful actions by either Ameritech or the Collocator or their agents or employees.

(C)

/1/ Also cancels the following sheets in this section:
Original Sheet Nos.13.01 - 13.02, 13.2 - 13.19
1st Revised Sheet No. 13.1.

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3rd Revised Sheet No. 14
Cancels
2nd Revised Sheet No. 14

1. **PHYSICAL COLLOCATION (REGULATIONS) (cont'd)**

(C)

4. RESPONSIBILITIES OF AMERITECH

4.1 **Right to Use; Multiple Dedicated Spaces**

In accordance with this tariff, Ameritech grants to the Collocator the right to use a Dedicated Space. Each Dedicated Space within an Eligible Structure will be considered a single Dedicated Space for the application of rates according to this tariff.

4.2 **Contact Numbers**

Ameritech is responsible for providing the Collocator personnel a contact number for Ameritech technical personnel who are readily accessible 24 hours a day, 7 days a week. In addition, for all activities requiring verbal and written notification per this tariff, the parties will provide the contact numbers included in the application process. Notwithstanding the requirements for contact numbers, the Collocator will have access to its collocated equipment in the Eligible Structure 24 hours a day, 7 days a week, and Ameritech will not delay a Collocator's entry into an Eligible Structure.

4.3 **Trouble Status Reports**

Ameritech is responsible for making best efforts to provide prompt verbal notification to the collocator of significant outages or operations problems which could impact or degrade the collocator's network, switches, or services, with an estimated clearing time for restoral. In addition, Ameritech will provide written notification within 24 hours. When trouble has been identified, Ameritech is responsible for providing trouble status reports, consistent with paragraph 4.2, when requested by the collocator.

4.4 **Service Coordination**

Ameritech is responsible for coordinating with the Collocator to ensure that services are installed in accordance with the service request.

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5th Revised Sheet No. 15
Cancels
4th Revised Sheet No. 15

1. PHYSICAL COLLOCATION (REGULATIONS) (cont'd)

(C)

4. RESPONSIBILITIES OF AMERITECH (cont'd)

4.5 Casualty Loss

4.5.1 Damage to Dedicated Space

If the Dedicated Space is damaged by fire or other casualty, and (1) the Dedicated Space is not rendered untenable in whole or in part, Ameritech shall repair the same at its expense (as hereafter limited) and the monthly charge shall not be abated, or (2) the Dedicated Space is rendered untenable in whole or in part and such damage or destruction can be repaired within ninety (90) business days, Ameritech has the option to repair the Dedicated Space at its expense (as hereafter limited) and the monthly charges shall be proportionately abated while the Collocator was deprived of the use. If the Dedicated Space cannot be repaired within ninety (90) business days, or Ameritech opts not to rebuild, then Ameritech shall notify the Collocator within thirty (30) business days following such occurrence that the Collocator's use of the Dedicated Space will terminate as of the date of such damage. Upon the Collocator's election, Ameritech must provide to the Collocator, a comparable substitute collocation arrangement at another mutually agreeable location at the applicable nonrecurring charges for that arrangement and location.

Any obligation on the part of Ameritech to repair the Dedicated Space shall be limited to repairing, restoring and rebuilding the Dedicated Space as prepared for the Collocator by Ameritech.

4.5.2 Damage to Eligible Structure

In the event that the Eligible Structure in which the Dedicated Space is located shall be so damaged by fire or other casualty that closing, demolition or substantial alteration or reconstruction thereof shall, in Ameritech's opinion be advisable, then, notwithstanding that the Dedicated Space may be unaffected thereby, Ameritech, at its option, may terminate services provided via this tariff by giving the Collocator ten (10) business days prior written notice within thirty (30) business days following the date of such occurrence, if at all possible.

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1. PHYSICAL COLLOCATION (REGULATIONS) (cont'd)

(C)

4. RESPONSIBILITIES OF AMERITECH (cont'd)

4.6 Construction Notification

Ameritech will notify the collocator prior to the scheduled start dates of all construction activities (including power additions or modifications) in the general area of the Collocator's Dedicated Space with potential to disrupt the collocator's services. Ameritech will provide such notification to the collocator at least twenty (20) business days before the scheduled start date of such construction activity. Ameritech will inform the collocator as soon as practicable by telephone of all emergency-related activities that Ameritech or its subcontractors are performing in the general area of the Collocator's Dedicated Space, or in the general area of the AC and DC power plants which support the collocator's equipment. If possible, notification of any emergency-related activity will be made immediately prior to the start of the activity so that the collocator may take reasonable actions necessary to protect the Collocator's Dedicated Space.

4.7 Construction Inspections

During the construction of all forms of physical collocation space required under this tariff, Collocators shall be permitted up to four (4) inspections during the construction in an Eligible Structure during normal business hours with a minimum of two (2) hours advance notification. If the construction interval is extended beyond the tariffed or agreed upon interval, collocators will be granted two (2) additional visits per thirty (30) day extension. Requests for construction inspections shall be given to the contact number as specified in paragraph 4.2. If any travel expenses are incurred, the collocator will be charged for the time Ameritech employees spend traveling and will be based on fifteen (15) minute increments. Rates and Charges are as found in Paragraph 21.25.

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4th Revised Sheet No. 17
Cancels
3rd Revised Sheet No. 17

1. PHYSICAL COLLOCATION (REGULATIONS) (cont'd)

(C)

5. OBLIGATIONS OF THE COLLOCATOR

5.1 Certification

The Collocator requesting physical collocation is responsible for obtaining any necessary certifications or approvals from the Commission prior to provisioning of telecommunications service by using the physical collocation space. Ameritech shall not refuse to process an application for collocation space and shall not refuse to provision the collocation space submitted by a CLEC while that CLEC's state certification is pending or prior to a final approved interconnection agreement.

5.2 Contact Numbers

The Collocator is responsible for providing to Ameritech personnel a contact number for Collocator technical personnel who are readily accessible 24 hours a day, 7 days a week. In addition, for all activities requiring verbal and written notification per this tariff, the parties will provide the contact numbers included in the application process.

5.3 Trouble Report

Collocator is responsible for making best efforts to provide prompt verbal notification to Ameritech of significant outages or operations problems which could impact or degrade Ameritech's network, switches, or services, with an estimated clearing time for restoral. In addition, Collocator will provide written notification within 24 hours. When trouble has been identified, Collocator is responsible for providing trouble status reports, consistent with paragraph 4.2, when requested by Ameritech.

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4th Revised Sheet No. 18
Cancels
3rd Revised Sheet No. 18

1. PHYSICAL COLLOCATION (REGULATIONS) (cont'd)

(C)

5. OBLIGATIONS OF THE COLLOCATOR (cont'd)

5.4 Removal

The Collocator is responsible for removing any equipment, property or other items that it brings into the Dedicated Space or any other part of the Eligible Structure in which the Dedicated Space is located within thirty (30) business days after discontinuance or termination of the physical collocation arrangement. After such time, Ameritech may remove the abandoned materials and charge the Collocator for any and all claims, expenses, fees, or other costs associated with any such removal by Ameritech, including any materials used in the removal and the time spent on such removal, at the hourly rate for custom work. The Collocator will hold Ameritech harmless from the failure to return any such equipment, property or other items.

5.5 Collocator's Equipment and Facilities

The Collocator is solely responsible for the design, engineering, testing, performance, and maintenance of the telecommunications equipment and facilities used in the Dedicated Space. The Collocator will be responsible for servicing, supplying, repairing, installing and maintaining the following within the Dedicated Space:

- (A) its fiber optic cable(s) or other permitted transmission media as specified in paragraph 8.1.1;
- (B) its equipment;
- (C) required point of termination cross connects in the Dedicated Space; and
- (D) the connection cable and associated equipment which may be required within the Dedicated Space(s).

Ameritech neither accepts nor assumes any responsibility whatsoever in any of the areas so designated in this Paragraph.

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1. **PHYSICAL COLLOCATION (REGULATIONS) (cont'd)**

(C)

5. OBLIGATIONS OF THE COLLOCATOR (cont'd)

5.6 **Insurance**

5.6.1 **Coverage Requirements**

The collocator agrees to maintain, at all times, the following minimum insurance coverages and limits and any additional insurance and/or bonds required by law:

- (A) Workers' Compensation insurance with benefits afforded under the laws of the State of Michigan and Employers Liability insurance with minimum limits of \$100,000 for Bodily Injury-each accident, \$500,000 for Bodily Injury by disease-policy limits and \$100,000 for Bodily Injury by disease-each employee.
- (B) Commercial General Liability insurance with minimum limits of: \$2,000,000 General Aggregate limit; \$1,000,000 each occurrence sub-limit for all bodily injury or property damage incurred in any one occurrence; \$1,000,000 each occurrence sub-limit for Personal Injury and Advertising; \$2,000,000 Products/Completed Operations Aggregate limit, with a \$1,000,000 each occurrence sub-limit for Products/Completed Operations. Fire Legal Liability sub-limits of \$300,000 are required for lease agreements. Ameritech will be named as an Additional Insured on the Commercial General Liability policy.
- (C) If use of an automobile is required, Automobile Liability insurance with minimum limits of \$1,000,000 combined single limits per occurrence for bodily injury and property damage, which coverage shall extend to all owned, hired and non-owned vehicles.

Ameritech requires that companies affording insurance coverage have a B+ VII or better rating, as rated in the A.M. Best Key rating Guide for Property and Casualty Insurance Companies.

(C)



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1. **PHYSICAL COLLOCATION (REGULATIONS) (cont'd)**

(C)

5. OBLIGATIONS OF THE COLLOCATOR (cont'd)

5.6 **Insurance** (Cont'd)

5.6.1 **Coverage Requirements** (Cont'd)

A certificate of insurance stating the types of insurance and policy limits provided the Collocator must be received prior to commencement of any work. The insurance provisions and requirements are reciprocal to Ameritech as well. If a certificate is not received, Ameritech will notify the Collocator and the Collocator will have 5 business days to cure the deficiency. If the Collocator does not cure the deficiency within 5 business days, Collocator hereby authorizes Ameritech, and Ameritech may, but is not required to, obtain insurance on behalf of the Collocator as specified herein. Ameritech will invoice Collocator for the costs incurred to so acquire insurance.

The cancellation clause on the certificate of insurance will be amended to read as follows:

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

The collocator shall also require all contractors who may enter the Eligible Structure to maintain the same insurance requirements listed above.

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5th Revised Sheet No. 21
Cancels
4th Revised Sheet No. 21

1. **PHYSICAL COLLOCATION (REGULATIONS) (cont'd)**

(C)

5. OBLIGATIONS OF THE COLLOCATOR (cont'd)

5.6 **Insurance** (Cont'd)

5.6.2 **Self-Insured**

Self-insurance in lieu of the insurance requirements listed preceding shall be permitted if the Collocator 1) has a tangible net worth of Fifty (50) Million dollars or greater, and 2) files a financial statement annually with the Securities and Exchange Commission and/or having a financial strength rating of 4A or 5A assigned by Dun & Bradstreet. The ability to self-insure shall continue so long as the Collocator meets all of the requirements of this Paragraph. If the Collocator subsequently no longer satisfies this Paragraph, Paragraph 5.6.1, Coverage Requirements, shall immediately apply.

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1. PHYSICAL COLLOCATION (REGULATIONS) (cont'd)

(C)

6. ORDERING AND PROVISIONING

6.1 Dedicated Space

6.1.1 Types of Available Physical Collocation Arrangements

Ameritech will make each of the arrangements outlined below available within its Eligible Structures in accordance with this tariff so that collocators will have a variety of collocation options from which to choose:

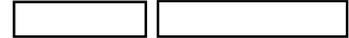
- (A) Caged Physical Collocation - The caged collocation option provides the collocator with an individual enclosure (not including a top). This enclosure is an area designated by Ameritech within an Eligible Structure to be used by the collocator for the sole purpose of installing, maintaining and operating the collocator-provided equipment.

Ameritech will provide Physical Land and Building, and Physical Cage Preparation in increments of 100 square feet. Rates and charges are as found in Paragraph 21.2 following.

When a collocator constructs its own cage and related equipment, the collocator will not be subject to the Physical Cage Preparation recurring charge as set forth in Paragraph 21.2 following. The collocator may provide a cage enclosure (not including a top), cable rack and support structure inside the cage, lighting, receptacles, cage grounding, cage sign and door key set. Should the collocator request placement of conduit for fiber optic cable from the pullbox to their cage, the optional nonrecurring charge will apply as set forth in Paragraph 21.20 following. In addition, terms and conditions for contractors performing cage construction activities as set forth in Paragraph 16.3 following will apply.

If the collocator elects a point of termination (POT) frame in the dedicated collocation area rather than inside its cage, the floor space rate for cageless collocation found in Paragraph 21.3 following applies.

(C)



1. **PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)**

6. ORDERING AND PROVISIONING (Cont'd)

6.1 **Dedicated Space (Cont'd)**

6.1.1 **Types of Available Physical Collocation Arrangements (Cont'd)**

(B) Caged Shared Collocation - Ameritech will provide Caged Shared Collocation as set forth in Section 7 entitled "Use By Other Local Service Providers." Two or more collocators may initially apply at the same time to share a caged collocation space as set forth in Paragraph 7.1. Charges to each collocator will be based upon the percentage of total space utilized by each collocator.

(C) Caged Common Collocation - Ameritech will provide Caged Common Collocation as set forth in Section 7.1.1.

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1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.1 Dedicated Space (Cont'd)

6.1.1 Types of Available Physical Collocation Arrangements (Cont'd)

D) Cageless Collocation - Ameritech will provide in any collocation space that is supported by the existing telecommunications infrastructure (Active Collocation Space), or in the event that all such space is exhausted or completely occupied, will provide in any collocation space that requires additional telecommunications infrastructure (Other (Inactive) Collocation Space), as further defined in Section 2. Under this arrangement, Ameritech will provide space in ¼ bay increments, including available space adjacent to or next to Ameritech's equipment. Collocators will have direct access to their equipment 24 hours a day, 7 days a week without need for a security escort. Ameritech will not require Collocators to use an intermediate interconnection arrangement such as a POT frame. Ameritech may take reasonable steps to protect its own equipment as provided in Section 6.1.2. Accordingly, Ameritech will not provide a Collocator's personnel or agents with direct access to Ameritech's main distribution frame.

(E) Adjacent Space Collocation - Where Physical Collocation space within an Ameritech Eligible Structure is Legitimately Exhausted, as that term is defined in Section 2 of this Tariff, Ameritech will permit Collocators to physically collocate in adjacent controlled environmental vaults or similar structures that Ameritech uses to house equipment, to the extent technically feasible. Ameritech and CLEC will mutually agree on the location of the designated space on Ameritech premises where the adjacent structure will be placed. Ameritech will not withhold agreement as to the site desired by Collocator, subject only to reasonable safety and maintenance requirements. Ameritech will offer the following increments of power: Ameritech will provide a standard offering of 100 AMPS of AC power to the adjacent structure when Central Office Switchboard AC capacity exists. Ameritech will provide DC power with two cable options which allow increments of 20, 40, 50, 100, 200, and 400 AMPS to the adjacent structure from the Central Office Power source.

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1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.1 Dedicated Space (Cont'd)

6.1.1 Types of Available Physical Collocation Arrangements (Cont'd)

(E) Cont'd

At its option, the Collocator may choose to provide its own AC and DC power to the adjacent structure. Ameritech will provide physical collocation services to such adjacent structures, subject to the same requirements as other collocation arrangements in this tariff.

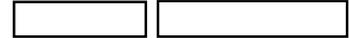
Where Physical Collocation space within an Ameritech Eligible Structure is Legitimately Exhausted, and Collocator's Adjacent On-site space is not within 50 ft. of the Eligible Structure's outside perimeter wall, the Collocator has the option and Ameritech shall permit an Adjacent Structure Off-site Arrangement, to the extent technically feasible. The Adjacent Off-site Arrangement is available if the Collocator's site is located on a property that is contiguous to or within one standard city block of Ameritech's Central Office or Eligible Structure. Such arrangement shall be used for interconnection and access to unbundled network elements. When the Collocator elects to utilize an Adjacent Off-site Arrangement, the Collocator shall provide both the AC and DC power required to operate such facility. The Collocator may provide its own facilities to Ameritech's premises or to a mutually agreeable meet point from its Adjacent Off-site location for interconnection purposes. The Collocator may subscribe to facilities available in the UNE rate schedule of the Collocator's interconnection agreement or, the Collocator may subscribe to the applicable rates established in this tariff for access to unbundled network elements. The interim rates, subject to true up, established in this tariff for adjacent off-site arrangement apply only if collocator's adjacent off-site is located on a property that is contiguous to or within one standard city block of Ameritech's Central Office or Eligible Structure.

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1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.1 Dedicated Space (Cont'd)

6.1.1 Types of Available Physical Collocation Arrangements (Cont'd)

(E) (Cont'd)

At the time the Collocator requests this arrangement, the Collocator must provide information as to the location of the Adjacent Off-site facility, the proposed method of interconnection, and the time frame needed to complete provisioning of the arrangement. Ameritech shall provide a response to Collocator within ten (10) days of receipt of the application, including a price quote, provisioning interval, and confirmation of the manner in which the Adjacent Off-site Facility will be interconnected with Ameritech's facilities. Ameritech shall make best efforts to meet the time intervals requested by Collocator and, if it cannot meet the Collocator's proposed deadline, shall provide detailed reasons, as well as proposed provisioning intervals.

In the event that interior space in an Eligible Structure becomes available, Ameritech will provide the option to the Collocator to relocate its equipment from an Adjacent On-site or an Adjacent Off-site Facility into the interior space. In the event the Collocator chooses to relocate its equipment into the interior space, appropriate charges applicable for collocation within the Eligible Structure will apply.

(F) Other Physical Collocation Arrangements - Ameritech will provide other collocation arrangements that have been demonstrated to be technically feasible. Deployment by any incumbent LEC of a collocation arrangement gives rise to a rebuttable presumption in favor of a CLEC seeking collocation in Ameritech's Eligible Structures that such an arrangement is technically feasible.

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1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.1 Dedicated Space (Cont'd)

6.1.1.1 Active/Inactive Space Determination

As provided in Section 6.2.1 of this Tariff, Ameritech shall notify the Collocator in writing as to whether its request for collocation has been granted or denied within 10 days of submission of the completed application. In its notification, Ameritech shall also inform the Collocator if the space available for the requested collocation space will be Active or Other (Inactive) Collocation Space, as those terms are defined in Section 2 of this Tariff. If the Collocator's space is placed in Inactive Space, then the notification shall also include rationale for placing the requested space in such category, including all power, switching, and other factors used in making the determination.

In the event that the Collocator disputes Ameritech's placement of the space into Inactive Space, then the Collocator may request a tour of the Eligible Structure to verify the Active/Inactive space availability. The request shall be submitted to Ameritech's designated representative in writing. The inspection tour will be scheduled within three (3) business days of receipt of the request for a tour and shall be conducted no later than seven (7) days following the request for the inspection tour. At the Collocator's request, the request for inspection tour for determination of Active/Inactive space may be conducted concurrently with a tour involving space availability disputes, as provided in Section 6.2.1.1 of this Tariff, thereby modifying the time frame requirements in this paragraph.

Prior to the inspection tour, a Commission-approved "Reciprocal Non-Disclosure Agreement," shall be signed by the designated Ameritech representative and the designated agent for the Collocator, who will participate in the tour.



1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.1 Dedicated Space (Cont'd)

6.1.1.1 Active/Inactive Space Determination (Cont'd)

Ameritech will provide all relevant documentation to the Collocator agent supporting its placement of Collocator's requested collocation arrangement in Inactive Space, subject to executing a non-disclosure agreement at the time of the inspection tour. The Ameritech representative will accompany and supervise the Collocator agent on the inspection tour. If the Collocator agent believes, based on the inspection tour of the Eligible Structure, that the placement of the collocation space in Inactive Space is unsupportable, the Collocator agent shall promptly advise Ameritech orally and in writing. The Collocator and Ameritech shall then concurrently prepare a report detailing their findings. The report, along with a request by the Collocator for dispute resolution and requested relief, shall be filed with MPSC within five (5) business days from the date of the inspection tour. The burden of proof shall be on Ameritech to justify the basis for placement of the Collocator's space in Inactive Space. The Commission will use its (expedited) Dispute Resolution Process for resolution of the dispute. If the matter is appealed to the Commission through dispute resolution, the losing party shall reimburse all costs associated with this process.

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1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.1 Dedicated Space (Cont'd)

6.1.2 Security

Protection of Ameritech's equipment is crucial to its ability to offer service to its customers. Therefore, Ameritech may impose the following reasonable security measures on collocators to assist in protecting its network and equipment from harm. Ameritech may impose security arrangements as stringent as the security arrangements Ameritech maintains at its own Eligible Structures either for its own employees or for authorized contractors. To the extent existing security arrangements are more stringent for one group than the other, Ameritech may impose the more stringent requirements. Except as provided by the FCC's Order released March 31, 1999 in CC Docket No. 98-147 (FCC 99-48), Ameritech will not impose more stringent security requirements than these. Ameritech will not impose discriminatory security requirements that result in increased collocation costs without the concomitant benefit of providing necessary protection of Ameritech's equipment. Ameritech will not use any information collected in the course of implementing or operating security arrangements for any marketing or other purpose in aid of competing with collocators.

- (A) Collocators will conduct background checks of their personnel and technicians who will have access to the collocation space. Collocator technicians will be security qualified by the Collocator and will be required to be knowledgeable of Ameritech security standards. Collocator personnel and technicians will undergo the same level of security training, or its equivalent that Ameritech's own employees and authorized contractors must undergo. Ameritech will not, however, require collocators to receive security training from Ameritech, but will provide information to collocators on the specific type of training required. Collocators can then provide their employees with their own security training. Qualification program and security training details shall be included in Ameritech's Technical Publications.



1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.1 Dedicated Space (Cont'd)

6.1.2 Security (Cont'd)

(B) Collocators and Ameritech will each establish disciplinary procedures up to and including dismissal or denial of access to the Eligible Structure and other Ameritech property for certain specified actions that damage, or place the equipment, facilities, or the network or personnel of the collocators or Ameritech in jeopardy. The following are actions that could damage or place the Eligible Structure, or the network or the personnel of the collocators or Ameritech in jeopardy and may justify disciplinary action up to and including dismissal or the denial of access to the Eligible Structure and other Ameritech property:

- (a) Theft or destruction of Ameritech's or collocator's property;
- (b) Use/sale or attempted use/sale of alcohol or illegal drugs on Ameritech property;
- (c) Threats or violent acts against other persons on Ameritech property;
- (d) Knowing violations of any local, state or federal law on Ameritech property;
- (e) Permitting unauthorized persons access to Ameritech or collocator's equipment on Ameritech property; and
- (f) Carrying a weapon on Ameritech property.

In addition, Collocator and Ameritech will take appropriate disciplinary steps as determined by each party to address any violations reported by Ameritech or the collocator of Ameritech's policies and practices on security, safety, network reliability, and business conduct as defined in Ameritech's Interconnector's Collocation Services Handbook for Physical Collocation in Michigan, provided the Handbook and any and all updates to it are timely provided to Collocator at no charge.



1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.1 Dedicated Space (Cont'd)

6.1.2 Security (Cont'd)

(C) Collocators will provide indemnification as set forth in Paragraph 12 of this tariff and insurance as set forth in Paragraph 5.6 of this tariff to cover any damages caused by the collocator's technicians at a level commensurate with the indemnification and insurance provided by Ameritech authorized contractors with equivalent access. The indemnification provisions and requirements are reciprocal to Ameritech as well.

(D) Ameritech may use reasonable security measures to protect its equipment. In the event Ameritech elects to erect an interior security partition in a given Eligible Structure to separate its equipment, Ameritech may recover the costs of the partition in lieu of the costs of other reasonable security measures if the partition costs are lower than the costs of any other reasonable security measure for such Eligible Structure. In no event shall a CLEC be required to pay for both an interior security partition to separate Ameritech's equipment in an Eligible Structure and any other reasonable security measure for such Eligible Structure.

Ameritech's construction of an interior security partition around its own equipment shall not interfere with a CLEC's access to its equipment, including equipment collocated directly adjacent to Ameritech's equipment. Ameritech's construction of an interior security partition around its own equipment shall not impede a CLEC's ability to collocate within Ameritech's space. To the extent that Ameritech is required to install additional security measures within its interior security partition because a CLEC has access to its own equipment within the area, such security measures shall be constructed and maintained at Ameritech's expense.

Ameritech's enclosure of its own equipment will not be a basis for a claim that space is Legitimately Exhausted, nor will it be a basis for a claim that Active Collocation Space is exhausted.



1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.1 Dedicated Space (Cont'd)

6.1.2 Security (Cont'd)

(D) (Cont'd)

Ameritech's enclosure of its own equipment will not unreasonably increase a CLEC's cost nor shall it result in duplicative security costs. The cost of an interior security partition around Ameritech's equipment cannot include any embedded costs of any other security measures for the Eligible Structure. If Ameritech chooses to enclose its own equipment, Ameritech will be entitled to recover the cost of the cage ONLY to the extent that the price of such construction is lower than that of other reasonable security measures. Ameritech has the burden to demonstrate that the cost of security measures alternative to its partitioning of its own equipment is higher than the cost of enclosing its own equipment. If Ameritech cannot prove that other reasonable security methods cost more than an interior security partition around Ameritech's equipment, Ameritech cannot elect to erect an interior security partition in a given Eligible Structure to separate its equipment, and then recover the cost from collocators.

If Ameritech elects to erect an interior security partition and recover the cost, it must demonstrate to the collocator that other reasonable security methods cost more than an interior security partition around Ameritech's equipment at the time the price quote is given. Any disputes can be brought before the Commission for resolution through its expedited dispute resolution process.

(E) Collocators will have access to their collocated equipment twenty-four (24) hours a day, seven (7) days a week, without a security escort. Ameritech will not delay a collocator's entry into an Eligible Structure or access to its collocated equipment. The collocator will provide Ameritech with notice at the time of dispatch of the collocator's own employee or contractor to an Eligible Structure and, if possible, no less than thirty (30) minutes notice for a manned structure and sixty (60) minutes notice for an unmanned structure. Ameritech will provide collocators with reasonable access to restroom facilities and parking.



1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.1 Dedicated Space (Cont'd)

6.1.3 Interval

(A) Ameritech will provide physical collocation arrangements in eligible structures on a "first come, first served" basis. To apply for a dedicated space in a particular eligible structure, the collocator will provide a completed physical collocation application form found in Ameritech's Interconnector's Collocation Services Handbook for Physical Collocation in Michigan and will pay an initial application fee. A collocator wishing Ameritech to consider multiple methods for collocation in an Eligible Structure on a single application will need to include in each application a prioritized list of its preferred methods of collocating, e.g., caged, shared, common, cageless, or other, as well as adequate information, (e.g., specific layout requirements, cage size, number of bays, requirements relative to adjacent bays, etc.) for Ameritech to process the application for each of the preferred methods. If a collocator provides adequate information and its preferences with its application, Ameritech would not require an additional application, nor would the collocator be required to restart the quotation interval should its first choice not be available in an Eligible Structure. Collocators who only wish Ameritech to consider one collocation method need not provide preferences and associated specific information for multiple methods. However, if Ameritech is unable to provide the collocator's requested collocation method due to space constraints and the collocator determines that it wishes Ameritech to consider an alternative method of collocation, the collocator would be required to submit an additional application. This would not result in incremental application costs to the collocator as its initial application fee would be returned due to the denial. However, it would restart the collocation intervals. Upon receipt of the collocator's application and initial application fee payment, Ameritech will begin development of the quotation. Ameritech will notify the collocator as to whether its request for collocation space has been granted or denied due to a lack of space within ten (10) days of submission of the completed application.

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1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.1 Dedicated Space (Cont'd)

6.1.3 Interval (Cont'd)

- (B) In responding to an application request, Ameritech shall advise the collocator which of the requested types of physical collocation is available, provide the quotation of the applicable nonrecurring and recurring tariff rates, and the estimated construction interval no later than as specified in 6.1.3(E) following. Ameritech will not select for the collocator the type of physical collocation to be ordered. The collocator has sixty-five (65) business days from receipt of the quotation to accept the quotation. The quotation expires after sixty-five (65) business days. After sixty-five (65) business days, a new application and application fee are required.
- (C) Dedicated space is not reserved until the quotation is accepted. When the quotation is accepted, unless otherwise mutually agreed to by the Parties in writing, Ameritech will complete construction of all Active Collocation Space requests for physical collocation in 90 days from the receipt of the collocator's acceptance of the quotation.



1. **PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)**

6. ORDERING AND PROVISIONING (Cont'd)

6.1 **Dedicated Space (Cont'd)**

6.1.3 **Interval (Cont'd)**

(C) (Cont'd)

The cageless collocation construction interval ends when roughed in, unterminated DC power and interconnection cabling is provided to the collocation area.

Unless otherwise mutually agreed to by the parties in writing, in Other (Inactive) Collocation Space, Ameritech will complete construction of requests for physical collocation in 140 days from receipt of the collocator's acceptance of the quotation.

Ameritech will provide a DS1/DS3 Interconnection Arrangement within 5 days after installation of the Collocator's equipment and termination of DC power and completion of interconnection cabling if the Collocator submitted an order with all requisite assignment information with its application for collocation. A collocator may obtain a shorter construction interval than that set forth above by scheduling a meeting with Ameritech at least twenty (20) business days prior to submission of the first application to discuss, coordinate and prioritize the collocator applications. If a completion date outside the time period required herein is not agreed to by the parties, the issue may be presented by either party to the Michigan Public Service Commission for determination.

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1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.1 Dedicated Space (Cont'd)

6.1.3 Interval (Cont'd)

(D) Ameritech will provide reduced intervals for collocators with existing physical collocation space that request the following interconnection augments. The collocator must submit to Ameritech's service center a completed application for a Subsequent Job. For the reduced build-out interval to apply, this application must include an up-front payment of the non-recurring Application Fee from Section 21.1 of this tariff and 50% of all applicable tariffed non-recurring charges. In addition, the application must include an accurate front equipment view (a.k.a. rack elevation drawing) specifying bay(s) for the collocator's point of termination. Applications received with the up-front payment and meeting the criteria below will not require a quote.

Augments consisting of interconnection cabling arrangements, AC and DC power, lighting, and interconnection conduit: 15 calendar days.

- 28 DS1's (cabling only; panels, relay racks and overhead racking exist)
- 3 DS3's (cabling only; panels, relay racks and overhead racking exist)
- 100 Copper (shielded or nonshielded) cable pairs (blocks and cabling only; panels, relay racks and overhead racking exist)
- Duplex AC convenience outlets and/or
- Additional overhead lighting and/or
- Cage to cage interconnection conduit within the same collocation area
- Cable pull within same collocation area
- DC Power requirements where only a fuse change is required.

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1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.1 Dedicated Space (Cont'd)

6.1.3 Interval (Cont'd)

(C) (Cont'd)

The above fifteen (15) calendar day interval will apply only when the collocator provides a complete application. The job must be an augment to an existing collocator cage or area and limited up to and not more than the above quantities.

Augments consisting of additional interconnect panels/blocks, cabling, DC Power arrangements (racks are existing): 30 calendar days.

- 84 DS1's (one interconnect panel) and/or
- 48 DS3's (interconnect panel) and/or
- 200 Copper (shielded or nonshielded) cable pairs (2 blocks) up to 400 feet
- Ground cable changes within the DC Power arrangement.
- Arrange/install fiber cable through innerduct up to 400 feet
- Arrange/install timing leads up to 400 feet
- Arrange and install fiber interconnections up to 12 fiber pairs up to 400 feet

The above thirty (30) calendar day interval will apply only when the collocator provides a complete application. The job must be an augment to an existing collocator cage/area and consisting only of ground cable changes, timing changes, cable pulls through innerduct or Copper (shielded or nonshielded) Cable, DS1, DS3 and/or fiber interconnection arrangements limited up to and not more than the above quantities.

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1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.1 Dedicated Space (Cont'd)

6.1.3 Interval (Cont'd)

(D) Cont'd

Augments consisting of additional interconnect panels/blocks, cabling, power cables, (racks are existing): 60 calendar days.

- 168 DS1's (one interconnect panel) and/or
- Greater than 48 DS3's and less than 72 DS3's (interconnection panel) and/or
- 400 Copper (shielded or nonshielded) cable pairs (2 blocks) up to 400 feet
- Power cables added to accommodate greater DC amperage requests within existing power panels.
- Ameritech will perform a cage expansion of 300 square feet or less immediately adjacent to a collocators existing cage within the collocation area as long as the collocation area does not have to be reconfigured and does not involve HVAC work.
- Arrange/install bay lighting front and back up to three (3) bays.
- Arrange and install fiber interconnection to more than 12 fiber pairs and less than 24 fiber pairs up to 400 feet

The above sixty (60) calendar day interval will apply only when the collocator provides a complete application. The job must be an augment to an existing collocator cage or area and consisting only of cage expansions as detailed immediately above, power cable additions, bay lighting or copper (shielded or nonshielded) cable, DS1, DS3 and/or fiber interconnection arrangements limited up to and not more than the above quantities.

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1. **PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)**

6. ORDERING AND PROVISIONING (Cont'd)

6.1 **Dedicated Space (Cont'd)**

6.1.3 **Interval (Cont'd)**

(D) (Cont'd)

Other augments such as power requests that exceed current capacity ratings, Ameritech cable racks and/or cage expansions within Active Central Office space different than described above will require the collocator to submit an inquiry for quote. The price quote will contain the charges and the construction interval for that application. The construction interval for these other augments will not exceed 90 days. Ameritech will work cooperatively with collocators to negotiate mutually agreeable construction intervals for other augments not specifically provided for above.

The parties may negotiate intervals for additional standard augments that, after appropriate notice and comment, will be incorporated in to the Tariff. In the event the parties are unable to agree on a standard interval, after appropriate notice and comment, the Commission decision on the interval shall be incorporated into the Tariff.



1. **PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)**

6. ORDERING AND PROVISIONING (Cont'd)

6.1 **Dedicated Space (Cont'd)**

6.1.3 **Interval (Cont'd)**

- (E) Price quote intervals are as follows and will run concurrent with the ten (10) day notification interval for availability of space:

<u>Number of Applications by One Collocator</u>	<u>Quotation Interval</u>
1 - 5	10 Business Days
6 - 20	25 Business Days

Should the collocator submit twenty-one (21) or more applications within five (5) business days, the quotation interval will be increased by five (5) business days for every five (5) additional applications or fraction thereof. Any material revision to an application will be treated as a new application and will be subject to the time intervals set forth above.

A collocator may obtain a shorter interval for the return of price quotes than that set forth above by scheduling a meeting with Ameritech at least twenty (20) business days prior to submission of the first application to discuss, coordinate and prioritize the collocator applications.



1. **PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)**

6. ORDERING AND PROVISIONING (Cont'd)

6.1 **Dedicated Space (Cont'd)**

6.1.3 **Interval (Cont'd)**

(E) Cont'd

A collocator may obtain a shorter interval for the return of price quotes for cageless collocation arrangements when submitting 6 or more applications if the collocator files complete applications, including identification of specific rate elements and the applicable rates contained in the tariff, the exact quantity of the rate elements, and an up-front payment of the non-recurring application fee from Section 21 of this Tariff and schedules a meeting with Ameritech at least twenty (20) business days prior to submission of the first application to discuss, coordinate and prioritize the collocation applications. In addition, the applications must include an accurate front equipment view (a.k.a. rack elevation drawing) specifying bay(s) for the collocator's point of termination. The shortened intervals are:

<u>Number of Applications by One Collocator</u>	<u>Quotation Interval</u>
6 - 20	20 Business Days

Should the collocator submit twenty-one (21) or more applications within five (5) business days, the quotation interval will be increased by five (5) business days for every five (5) additional applications or fraction thereof. Any material revision to an application will be treated as a new application and will be subject to the time intervals set forth above.

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1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.1 Dedicated Space (Cont'd)

6.1.4 Revisions

All revisions to an initial request for a physical collocation arrangement submitted by the Collocator must be in writing via a new application form. A new interval for the physical collocation arrangement will be established which shall not exceed two months, if the revision is major. A major revision will include: adding telecommunications equipment that requires additional electrical power; changes in the configuration of the cage; an increase of 10% or more of the square footage of the cage area requested; adding design and engineering requirements above those which Ameritech normally deploys and practices (i.e., redundancy of certain mechanical and electrical systems); and accelerating the project schedule. However, minor revisions will not require that a new interval be established. Examples of minor revisions include: adding equipment that do not significantly impact the existing/proposed electrical systems; adding light fixtures and outlets which do not exceed the capacity of the existing/proposed electrical system; changes in the floor space configuration which do not significantly impact the overall design of the space; and adjustments to the heat release projection which do not cause a change in the proposed/existing mechanical system. The Collocator will be required to pay any applicable application fees as found in Paragraph 21.1, if the revision is major. No additional application fees shall be applicable if the revision is minor. All engineering design work that is determined not to be major is deemed to be minor.

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1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.2 Space Availability Determination and Resolution

6.2.1 There shall be a rebuttable presumption that space is available for physical collocation in an Eligible Structure. Ameritech shall notify the Collocator in writing as to whether its request for collocation space has been granted or denied due to lack of space within 10 days of submission of the completed application. The notification will also include a possible future space relief date, if applicable. At that time, any charges collected with the application will be returned to the Collocation Applicant.

Ameritech will, at the same time, file a copy of the letter with the Michigan Public Service Commission. In the event of a space exhaustion denial of a Collocator request for collocating, Ameritech shall also concurrently submit the following information both to the Collocator and to the Commission in support of its denial provided under seal and subject to proprietary protections:

1. Central Office Common Language Identifier, where applicable;
2. The identity of the requesting Collocator, including amount of space sought by the Collocator;
3. Total amount of space at the premises;

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1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.2 Space Availability Determination and Resolution (Cont'd)

6.2.1 (Cont'd)

4. Detailed Floor plans, accompanied with proper legend and scale to assist in the interpretation of the floor plan and sufficient measurements to interpret size and spacing, including measurements of Ameritech's premises, showing:
 - a. Space housing Ameritech network equipment, non-regulated services space, and administrative offices;
 - b. Space housing obsolete unused equipment;
 - c. Space occupied by Ameritech affiliates;
 - d. Space which does not currently house Ameritech equipment or administrative offices but is reserved by Ameritech for future use by Ameritech or its affiliates;
 - e. Space occupied by and/or reserved for Collocators for the purpose of network interconnection or access to unbundled network elements (including identification of each Collocator);
 - f. Space, if any, occupied by third parties for other purposes, including identification of the uses of such space;
 - g. Identification of turnaround space for switch or other equipment; removal plans and timelines, if any;
 - h. Planned Central Office rearrangement/ expansion plans, if any; and
 - i. Remaining space, if any.
5. Description of other plans, if any, that may relieve space exhaustion, including plans showing any adjacent space not technically considered as part of Eligible Structure. Other relevant information requested by the Third Party Reviewer.



1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.2 Space Availability Determination and Resolution (Cont'd)

6.2.1.1 In the event that Ameritech denies a collocation request, and the Collocator disputes the denial, the Collocator may request a tour of the Eligible Structure to verify space availability or lack thereof. The request shall be submitted to Ameritech's designated representative in writing. The inspection tour shall be scheduled within 5 business days of receipt of the request for a tour.

Prior to the inspection tour, a Commission-approved "Reciprocal Non-disclosure Agreement," shall be signed by the designated Ameritech representative and the designated agent for the Collocator, who will participate in the tour.

Ameritech will provide all relevant documentation to the Collocator agent including blueprints and plans for future facility expansions or enhancements subject to executing a nondisclosure agreement. Ameritech representative will accompany and supervise the Collocator agent on the inspection tour. The inspection tour shall be conducted no later than 10 days following the filing of the request for the tour. If the Collocator agent believes, based on the inspection tour of the Eligible Structure, that the denial of collocation space is unsupportable, the Collocator agent shall promptly so advise Ameritech. The Collocator and Ameritech shall then each concurrently prepare a report detailing its own findings of the inspection tour. The Collocator and Ameritech reports shall be concurrently served on each other and submitted to the Commission Central Records and to a Third Party Engineer.



1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.2 Space Availability Determination and Resolution (Cont'd)

6.2.1.1 (Cont'd)

The burden of proof shall be on Ameritech to justify the basis for any denial of collocation requests. A Collocator that contests Ameritech's position concerning the denial of a collocation request shall pay 50% of the fee associated with the Third Party Engineer review and Ameritech shall pay the remaining 50%. A Third Party Engineer shall be assigned on a rotating basis from a list maintained by a neutral third party. The neutral third party shall be selected and the process for Third Party Engineer selection shall be designed by the Commission with input from Ameritech and CLECs. However, until the neutral third party process is in place the list shall be maintained and the Third Party Engineer shall be assigned by the Commission. The Collocator does not have to obtain agreement from Ameritech on the selection of the Third Party Engineer from the list maintained by a neutral third party or the Commission. The Third Party Engineer shall review not only the reports by Ameritech and the Collocator, but shall also undertake an independent evaluation to determine whether collocation space is available in the Eligible Structure. The Third Party Engineer shall examine the factors listed in Section 6.2.1 above, as well as any other factors that are specified elsewhere in this Tariff (e.g., Section 2 definition of "Legitimately Exhausted"), and any other information the Third Party Engineer deems to be relevant to his determination. The Third Party Engineer shall also conduct its review under the presumption that the burden of proof shall be on Ameritech to justify the basis for any denial of collocation requests. After determination by the Third Party Engineer and, if appealed, determination by the Commission, the losing party shall reimburse all costs associated with the Third Party Engineer process.

In the event a third party engineer or the Public Utility Commission determines that space is not available, Ameritech will not be required to conduct a review of floor space availability in the same central office more frequently than once every six months.



1. **PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)**

6. ORDERING AND PROVISIONING (Cont'd)

6.2 Space Availability Determination and Resolution (Cont'd)

6.2.2 At Ameritech's option in central offices, and at Ameritech's option in other Eligible Structures where physical (including cageless) collocation space is available, or at the collocator's option in CEVs, huts and cabinets where physical collocation space is not available, Ameritech will provide one or more of the alternate types of virtual collocation consistent with the terms of Ameritech's virtual collocation tariffs for interconnection to Ameritech under 47 U.S.C. 251 (c) (2) or access to Ameritech's unbundled network elements under 47 U.S.C. 251 (c) (3) of the FTA 96.

6.2.3 Ameritech will make every attempt to provide the Collocator with contiguous space for any subsequent request for physical collocation space, but makes no assurances that contiguous space will be available.

6.2.4 Ameritech will submit to a requesting carrier a report indicating Ameritech's available collocation space in a particular Ameritech Eligible Structure upon request. This report will specify the amount of collocation space available at each requested Eligible Structure, the number of collocators, and any modifications in the use of the space since the last report. The report will also include measures that Ameritech is taking to make additional space available for collocation. The intervals for delivering the reports are as follows:

<u>Number of Report Requests</u> <u>By One Collocator</u>	<u>Report Delivery</u> <u>Interval</u>
1 - 5	10 Business Days
6 - 20	25 Business Days

Should the collocator submit twenty-one (21) or more report requests within five (5) business days, the report delivery interval will be increased by five (5) business days for every five (5) additional report requests or fraction thereof.

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1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.2 Space Availability Determination and Resolution (Cont'd)

6.2.4 (Cont'd)

Ameritech will maintain a publicly available document, posted for viewing on its website, indicating all premises that are full, and will update such a document within ten days of the date at which a premises runs out of physical collocation space. In addition, for central offices where collocators are currently located or applications for collocation are pending, if space availability information is readily available to Ameritech, such information will be placed on the website. Ameritech will update the public document on the first day of each month to include all newly available information. To the extent Ameritech has the information readily available, the public document should specify the amount of active and other (inactive) collocation space available at each Eligible Structure, the number of collocators, any modifications in the use of the space since the last update, and should also include measures that Ameritech is taking to make additional space available for collocation.

6.2.5 Ameritech will apply the same space reservation policies to Collocators as it applies to itself. In order to increase the amount of space available for collocation, Ameritech will remove obsolete unused equipment from its Eligible Structures that have no space available for Physical Collocation upon reasonable request by a Collocator or upon Order of the Commission. In those offices where Ameritech does not have adequate space to meet forecasted collocation demand, Ameritech agrees to remove obsolete unused equipment located in that office necessary to meet forecasted demand in advance of a reasonable request from a CLEC, or Order from the Commission. Ameritech shall reserve space for switching, MDF, and DCS to accommodate access line growth as outlined in Section 2.0 under the definition of the term "Legitimately Exhausted Space".

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1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.3 Relocation

When Ameritech determines because of zoning changes, condemnation, or government order or regulation that it is necessary for the dedicated space to be moved within an eligible structure, to another eligible structure, from an adjacent space collocation structure to a different adjacent space collocation structure, or from an adjacent space collocation structure to an Eligible Structure, the collocator is required to move its dedicated space or adjacent space collocation structure. Ameritech will notify the resident collocator(s) in writing within five days of the determination to move the location. If the relocation occurs for reasons other than an emergency, Ameritech will provide the resident collocator(s) with at least 180 days advance written notice prior to the relocation. If the Collocator is required to relocate under this Section, the Collocator will not be required to pay any application fees associated with arranging for new space. The Collocator shall be responsible for the preparation of the new Telecommunications Equipment Space and Dedicated Space at the new location or an adjacent space collocation structure if such relocation arises from circumstances beyond the reasonable control of Ameritech, including zoning changes, condemnation or government order or regulation that makes the continued occupancy or use of the Dedicated Space or the Eligible Structure in which the Dedicated Space is located or the adjacent space collocation structure for the purpose then used, uneconomical in Ameritech's reasonable discretion. In addition, a collocator's presence in Ameritech central offices or adjacent space collocation structures should not prevent Ameritech from making a reasonable business decision regarding building expansions or additions the number of central offices required to conduct its business or their locations. If Ameritech determines that a collocator must relocate due to any of the above reasons, Ameritech will make all reasonable efforts to minimize disruption of the collocator's services. In addition, the costs of the move will be shared equally by Ameritech and the collocator, unless the parties agree to a different financial arrangement.

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1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.3 Relocation (Cont'd)

If the Collocator requests that the Dedicated Space be moved within the Eligible Structure in which the Dedicated Space is located, to another Eligible Structure, from an adjacent space collocation structure to a different adjacent space collocation structure or to an Eligible Structure, Ameritech shall permit the Collocator to relocate the Dedicated Space or adjacent space collocation structure, subject to availability of space and technical feasibility. The Collocator shall be responsible for all applicable charges associated with the move, including the reinstallation of its equipment and facilities and the preparation of the new Telecommunications Equipment Space, and Dedicated Space, or adjacent space collocation structure as applicable. In any such event, the new Dedicated Space shall be deemed the Dedicated Space and the new Eligible Structure (where applicable) shall be deemed the Eligible Structure in which the Dedicated Space is located and the new adjacent space collocation structure shall be deemed the adjacent space collocation structure.

6.4 Occupancy

Unless there are unusual circumstances, Ameritech will notify the Collocator that the Dedicated Space is ready for occupancy within five (5) business days after Ameritech completes preparation of the Dedicated Space. Operational telecommunications equipment must be placed in the Dedicated Space and interconnect to Ameritech's network or obtain access to Ameritech unbundled network elements within one hundred eighty (180) days after receipt of such notice. In the event that Ameritech has refused to interconnect with the Collocator, the 180 day deadline shall be extended until Ameritech allows the Collocator to interconnect. Ameritech, however, may extend beyond the one hundred eighty (180) days provided the Collocator demonstrates a best effort to meet that deadline and shows that circumstances beyond its reasonable control prevented the Collocator from meeting that deadline.



1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.4 Occupancy (Cont'd)

If the Collocator fails to do so and the unused collocation space is needed to meet customer demand (filed application for space, accompanied by all fees) for another collocator or to avoid construction of a building addition, collocation in the prepared Dedicated Space is terminated on the tenth (10) business day after Ameritech provides the Collocator with written notice of such failure and the Collocator does not place operational telecommunications equipment in the Dedicated Space and interconnect with Ameritech or obtain access to Ameritech unbundled network elements by that tenth (10) business day. In any event, the Collocator shall be liable in an amount equal to the unpaid balance of the applicable charges.

For purposes of this Paragraph, the Collocator's telecommunications equipment is considered to be operational and interconnected when connected to either Ameritech's network or interconnected to another collocator's equipment that resides within the same structure, provided the Collocator's equipment is used for interconnection with Ameritech's network or obtain access to Ameritech's unbundled network elements, for the purpose of providing this service.

If the Collocator causes Ameritech to prepare the Dedicated Space and then the Collocator does not use the Dedicated Space (or all the Dedicated Space), the Collocator will pay Ameritech the monthly recurring and other applicable charges as if the Collocator were using the Dedicated Space.



1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

6. ORDERING AND PROVISIONING (Cont'd)

6.5 Cancellation Prior to Due Date

In the event that the Collocator cancels its order after Ameritech has begun preparation of the Telecommunications Infrastructure Space and Dedicated Space, but before Ameritech has been paid the entire amounts due under this tariff, then in addition to other remedies that Ameritech might have, the Collocator shall be liable in the amount equal to the non-recoverable costs less estimated net salvage, the total of which is not to exceed the Preparation Charges. Non-recoverable costs include the non-recoverable cost of equipment and material ordered, provided or used; the non-recoverable cost of installation and removal, including the costs of equipment and material ordered, provided or used; labor; transportation and any other associated costs. Ameritech shall provide the Collocator with a detailed invoice showing the costs it incurred associated with preparation.

6.6 Billing

Billing shall occur on or about the 25th day of each month, with payment due thirty (30) days from the bill date. Ameritech may change its billing date practices upon thirty (30) days notice to the Collocator.

6.6.1 Billing for Caged Shared and Caged Common Collocation Arrangements

Except for certain charges identified as related to Caged Shared Collocation, each collocator shall be billed separately and shall be able to order and provision separately. In the case of Caged Shared Collocation, Ameritech shall bill the original collocator for space. However, Ameritech shall bill the other Collocators in the shared cage for use of network elements and interconnection separately as required. Collocators located in a Caged Common Collocation area shall have direct billing arrangements with Ameritech for floor space and all other applicable interconnection arrangements.

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1. PHYSICAL COLLOCATION (REGULATIONS) (cont'd)

6. ORDERING AND PROVISIONING (cont'd)

6.7 Late Payment Charge

In the event that any charge is not paid when due, the unpaid amounts shall bear interest from the due date until paid in accordance with the terms and conditions for late payment set forth in Ameritech's Michigan Intrastate Access Service Tariff.

6.8 Allowances for Interruptions

An interruption period begins when an inoperative condition of a physical collocation arrangement is reported to Ameritech's designated contact point and ends when the physical collocation arrangement is operative and reported to the collocater's designated contact. No allowance for an interruption period will be provided for physical collocation where the interruption is due to the actions or negligence of the Collocator. No allowance for an interruption period will be provided for physical collocation where the interruption is due to the actions or negligence of Ameritech if such interruption disrupts Ameritech's services as well as the collocater's services. A credit allowance will be made to the collocater where the interruption is due to the actions or negligence of Ameritech if such interruption only disrupts the collocater's services.

When a credit allowance does apply, such credit will be determined based on the monthly recurring rates applicable to the specific item(s) causing the interruption; however, the credit allowance for an interruption or for a series of interruptions shall not exceed the applicable monthly recurring rate for the item(s) involved.

For calculating credit allowances, every month is considered to have thirty (30) days. No credit shall be allowed for an interruption of less than thirty (30) minutes. The Collocator shall be credited for an interruption of thirty (30) minutes or more at the rate of 1/1440 of the monthly recurring rate.

When a third party vendor maintains and repairs a Collocator's designated termination equipment, a credit allowance will not apply to any interruption of the items maintained and repaired by the third party vendor.

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PART 23 - Interconnection Service for Local
Exchange Telecommunications Carriers
SECTION 4 - Collocation Services

Original Sheet No. 54

1. PHYSICAL COLLOCATION (REGULATIONS) (cont'd)

7. USE BY OTHER LOCAL SERVICE PROVIDERS

7.1 Ameritech will make shared collocation cages available to all collocators. A shared collocation cage is a caged collocation space shared by two (2) or more Collocators pursuant to the terms and conditions agreed to and between the Collocators. In making shared cage arrangements available, Ameritech may not increase the cost of site preparation or nonrecurring charges above the cost of provisioning such a cage of similar dimensions and material to a single collocating party. In those instances where Ameritech receives applications simultaneously from multiple collocators who desire construction of a cage to be shared, Ameritech will prorate the charge for site conditioning and preparation undertaken to construct the shared collocation cage or condition the space, and allocate that charge to each collocator based upon the percentage of total space utilized by each collocator.

7.1.1 Ameritech will make Caged Common Collocation available to all collocators. The Caged Common Collocation option provides the collocators with an enclosure (not including a top). This enclosure is an area designated by Ameritech within an Eligible Structure to be used by the collocators for the sole purpose of installing, maintaining and operating the collocator-provided equipment. Caged Common Collocation space will be provided where space permits when five (5) or more Collocators have provided Ameritech with their forecasted space requirements accompanied with a firm order and 25% of non-recurring charges for the forecasted space as deposit. When these criteria have been met, Ameritech will construct a common cage minimum of 550 sq. ft. of space unless Collocators' combined forecasted space needs for the initial year exceed 550 sq. ft., in which case, Ameritech will construct the cage to the Collocators' combined forecasts for the initial year. Charges to each collocator will be based on its forecasted linear footage of floor space and adjusted by the occupancy factor as approved by the Commission. Subsequent additions to the Caged Common Collocation area will be based on firm orders with the Collocator(s) requesting additional space bearing the costs for such expansion. Billing for Caged Common Collocation is addressed in Section 6.6.1.

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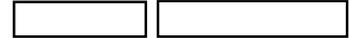
1. PHYSICAL COLLOCATION (REGULATIONS) (cont'd)

7. USE BY OTHER LOCAL SERVICE PROVIDERS (cont'd)

7.2 Ameritech will not place unreasonable restrictions on a collocator's use of a cage, and as such will allow a collocator to contract with other collocators to share the cage in a sublease-type arrangement. In a sublease-type arrangement, the initial collocator(s) shall charge any such co-collocator no more than the pro-rated share (based upon square footage used exclusively or in common) of Ameritech's charges to the initial collocator(s). If two (2) or more collocators who have interconnection agreements with Ameritech utilize a shared collocation cage, Ameritech will permit each collocator to order UNEs to and provision service from that shared collocation space, regardless of which collocator was the original collocator.

All collocators, including those who are sub-leasing the caged space, are bound by the terms and conditions of this tariff. The terms contained in Paragraph 6.4 Occupancy, preceding shall continue to apply.

7.3 The Collocator shall not assign or otherwise transfer, either in whole or in part, or permit the use of any part of the Dedicated Space by any other person or entity, without the prior written consent of Ameritech, which consent shall not be unreasonably withheld. Any purported assignment or transfer made without such consent shall be voidable at the sole discretion of Ameritech.



1. PHYSICAL COLLOCATION (REGULATIONS) (cont'd)

8. FIBER OPTIC CABLE ENTRANCES

8.1 Fiber Optic Cable Entrances

8.1.1 The Collocator shall use a dielectric fiber cable as the transmission medium to the Dedicated Space or, where technically and structurally feasible, may use microwave. Collocation requests utilizing facilities other than fiber may be provided as an NSCR. Ameritech will only permit copper or coaxial cable as the transmission medium where the Collocator can demonstrate to Ameritech that use of such cable will not impair Ameritech's ability to service its own customers or subsequent collocators.

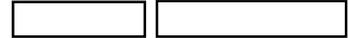
8.1.2 Ameritech shall provide a minimum of two separate points of entry into the Eligible Structure in which the Dedicated Space is located wherever there are at least two entry points for Ameritech cable. Ameritech will also provide nondiscriminatory access to any entry point into Eligible Structures in excess of two points in those locations where Ameritech also has access to more than two such entry points. Where such dual points of entry are not immediately available, Ameritech shall perform work as is necessary to make available such separate points of entry for the Collocator at the same time that it makes such separate points of entry available for itself. In each instance where Ameritech performs such work in order to accommodate its own needs and those specified by the Collocator in the Collocator's written request, the Collocator and Ameritech shall share the costs incurred by pro-rating those costs using the number of cables to be placed in the entry point by both Ameritech and the Collocator(s) in the first twelve (12) months.

8.1.3 The Collocator is responsible for bringing its facilities to the entrance manhole(s) designated by Ameritech, and leaving sufficient length in the cable in order for Ameritech to fully extend the Collocator-provided facilities through the cable vault to the Dedicated Space.

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PART 23 - Interconnection Service for Local
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SECTION 4 - Collocation Services

Original Sheet No. 57

1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

8. FIBER OPTIC CABLE ENTRANCES

8.2 Demarcation Point

A Point of Termination (POT) Frame is not required as the demarcation point. However, the collocator may, at its election, provide its own Point of Termination (POT) Frame either in its dedicated cage space or in the Ameritech-designated area within the Eligible Structure. If the collocator elects not to provide a POT Frame, Ameritech will handoff the Interconnection Arrangement(s) cables to the collocator at their equipment.

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1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

9. USE OF DEDICATED SPACE

9.1 Nature of Use

The Collocator may locate all equipment used and useful for interconnection to Ameritech under 47.U.S.C. 251 (C) (2) and accessing Ameritech's unbundled network elements under 47.U.S.C. 251 (C) (3) of the FTA 96, regardless of whether such equipment includes a switching functionality, provides enhanced services capabilities, or offers other functionalities. Ameritech will permit the collocation of equipment such as DSLAMs, routers, ATM multiplexers, and remote switching modules in Ameritech Eligible Structures. Ameritech may not place any limitations on the ability of collocators to use all the features, functions, and capabilities of collocated equipment, including but not limited to, switching and routing features and functions. The collocator will certify in writing to Ameritech that the equipment is used and useful for interconnection or access to unbundled network elements. In the event that Ameritech believes that the collocated equipment will not be or is not being used for interconnection or access to unbundled network elements, Ameritech shall notify the Collocator and provide Collocator with ten (10) days to respond. In the event that the parties do not resolve the dispute, Ameritech may file a complaint at the Commission seeking a formal determination that the equipment cannot be collocated in an Ameritech Eligible Structure. While the dispute is pending, Ameritech will not prevent or otherwise delay installation of the disputed equipment in the Collocation space.

When the collocator's physical collocation arrangement is within the Eligible Structure, the collocator may not provide its own DC power plant equipment (with rectifiers or chargers and batteries) or AC power backup equipment (e.g., Uninterruptable Power System with batteries, or standby engine). Ameritech will provide the necessary back-up power to ensure against power outages.



1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

9. USE OF DEDICATED SPACE (Cont'd)

9.1 Nature of Use (Cont'd)

Consistent with the environment of the Dedicated Space, the Collocator shall not use the Dedicated Space for office, retail, or sales purposes. No signage or marking of any kind by the Collocator shall be permitted on the Eligible Structure in which the Dedicated Space is located or on the Ameritech grounds surrounding the Eligible Structure in which the Dedicated Space is located. The collocator may place signage and markings on the inside of its dedicated space.

9.2 Equipment List

A list of all the equipment and facilities that the Collocator will place within its Dedicated Space must be included on the application for which the Dedicated Space is prepared including the associated power requirements, floor loading, and heat release of each piece. The Collocator's equipment and facilities shall be compliant with the standards set out in Paragraph 10.1 Minimum Standards, following. The Collocator warrants and represents that the List is complete and accurate, and acknowledges that any incompleteness or inaccuracy would be a violation of the rules and regulations governing this tariff. The Collocator shall not place or leave any equipment or facilities within the Dedicated Space not included on the List without the express written consent of Ameritech, which consent shall not be unreasonably withheld.

9.2.1 Subsequent Requests to Place Equipment

The Collocator shall furnish Ameritech a written list in the form of an attachment to the original equipment list for the subsequent placement of equipment in its Dedicated Space.



1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

9. USE OF DEDICATED SPACE (Cont'd)

9.2.2 Limitations

Ameritech's obligation to purchase additional plant or equipment, relinquish occupied space or facilities, or to undertake the construction of new building quarters or to construct building additions to existing quarters in order to satisfy a subsequent request for additional space or the placement of additional equipment of facilities by a Collocator, is limited only to the extent that Ameritech would undertake such additions, modifications or construction on its own behalf, on behalf of any subsidiary or affiliate, or any other party to which it provides interconnection. Ameritech will ensure that the Collocator is provided collocation space at least equal in quality to that provided to Ameritech, its affiliates or other parties to which it provides interconnection.

9.3 Dedicated Space Use and Access

9.3.1 The Collocator may use the Dedicated Space for placement of telecommunications equipment and facilities necessary for interconnection to Ameritech or for accessing Ameritech's unbundled network elements. The Collocator's employees, agents and contractors shall be permitted access to their collocated equipment 7 days a week, 24 hours a day without a security escort. Collocators shall provide Ameritech with notice at the time of dispatch of its own employee or contractor, to an Eligible Structure and, if possible, no less than thirty (30) minutes notice for a manned structure and sixty (60) minutes notice for an unmanned structure. Ameritech will not delay a Collocator employee's entry into an Eligible Structure containing its collocated equipment or its access to its collocated equipment. Ameritech will provide Collocators with reasonable access to restroom facilities and parking. All access is provided subject to compliance by the Collocator's employees, agents and contractors with Ameritech's policies and practices pertaining to fire, safety and security (i.e., the Collocator must comply with Section 6.1.2(B) of this Tariff).



1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

9. USE OF DEDICATED SPACE (Cont'd)

9.3.2 The Collocator agrees to comply promptly with all laws, ordinances and regulations affecting the use of the Dedicated Space. Upon the discontinuance of service, the Collocator shall surrender the Dedicated Space or land for an adjacent structure to Ameritech, in the same condition as when first occupied by the Collocator, except for ordinary wear and tear.

9.3.3 Ameritech will not accept delivery of nor responsibility for any correspondence and/or equipment delivered to the Collocator at the Eligible Structure. However, through agreement between Ameritech and the Collocator, a Collocator may make arrangements for receipt and/or securing of its equipment at the Eligible Structure by Collocator's or Ameritech's personnel

9.4 Threat to Personnel, Network or Facilities

Regarding safety, Collocator equipment or operating practices representing a significant demonstrable technical or physical threat to Ameritech's personnel, network or facilities, including the Eligible Structure, or those of others are strictly prohibited.

9.5 Interference or Impairment

Regarding safety, and notwithstanding any other provision hereof, the characteristics and methods of operation of any equipment or facilities placed in the Dedicated Space shall not create hazards for or cause damage to those facilities, the Dedicated Space, or the Eligible Structure in which the Dedicated Space is located; impair the privacy of any communications carried in, from, or through the Eligible Structure in which the Dedicated Space is located; or create hazards or cause physical harm to any individual or the public. Any of the foregoing would be in violation of this tariff.



1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

9. USE OF DEDICATED SPACE (Cont'd)

9.6 Interconnection to Others

Within a contiguous area within the eligible structure, Ameritech will permit Collocators to construct their own cross-connect facilities to other physical collocators using copper or optical facilities between collocated equipment located within the same Eligible Structure, subject only to the same reasonable safety requirements that Ameritech imposes on its own equipment. Ameritech shall not require physical to physical collocators to purchase any equipment or cross-connect capabilities solely from Ameritech itself at tariffed rates. If requested by the collocator, Ameritech will provide only the installation of physical structure(s) and the associated labor necessary for the Collocator(s) to pull its facilities from its equipment space to the equipment space of another Collocator. However, if the Collocators cannot physically pull the cable themselves (i.e., located on different floors), Ameritech will perform the necessary construction on a standard Custom Work Order basis and perform the cable pull. Ameritech (1) will not make any physical connection within the Collocator's dedicated space; (2) will not have any liability for the cable or the connections, or the traffic carried thereon; and (3) will not maintain any records concerning these connections.

9.6.1 If a physical Collocator and a virtual Collocator both have purchased dedicated appearances not then in use on a DSX-1 panel, DSX-3 panel, or FDF located within contiguous areas within the eligible structure, then Ameritech will permit the interconnection of physically and virtually collocated equipment by connection of copper or optical facilities to the Collocators' dedicated appearances on the DSX-1 panel, DSX-3 panel, or FDF, subject only to the same reasonable safety requirements that Ameritech imposes on its own equipment. The connections shall be made within ten (10) days of a joint request by the Collocators. At Ameritech's option, the connection may be made either by Ameritech or by the Collocators' installers, who shall be on Ameritech's list of approved installation vendors.

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1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

9. USE OF DEDICATED SPACE (Cont'd)

9.7 Personal Property and its Removal

In accordance with and subject to the conditions of this tariff, the Collocator may place or install in or on the Dedicated Space such personal property or fixtures (Property) as it shall deem desirable for the conduct of business. Property placed by the Collocator in the Dedicated Space shall not become a part of the Dedicated Space even if nailed, screwed or otherwise fastened to the Dedicated Space. Such Property must meet Ameritech standards for flame and smoke ratings, e.g., no combustibles. Such Property shall retain its status as personality and may be removed by the Collocator at any time. Any damage caused to the Dedicated Space or land occupied by an adjacent structure by the removal of such Property shall be promptly repaired by the Collocator at its expense pursuant to Paragraph 9.8 following.

9.8 Alterations

In no case shall the Collocator or any person acting through or on behalf of the Collocator make any rearrangement, modification, improvement, addition, repair, or other alteration to the Dedicated Space or the Eligible Structure in which the Dedicated Space is located without the advance written permission and direction of Ameritech. Ameritech shall consider a modification, improvement, addition, repair or other alteration requested by the Collocator, provided that Ameritech has the right to reject or modify any such request except as required by state or federal regulators. The cost of any Ameritech provided construction shall be paid by the Collocator in accordance with Ameritech's custom work order process.



1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

10. STANDARDS

10.1 Minimum Standards

Ameritech requires that all equipment to be collocated in Ameritech's Eligible Structures meet Level 1 safety requirements as set forth in SBC document TP 76200MP but Ameritech may not impose safety requirements on the Collocators that are more stringent than the safety requirements it imposes on its own equipment. Ameritech may not deny collocation of Collocator's equipment because the equipment fails to meet TP 76200MP reliability standards. Ameritech will publish, at least quarterly, a list of all network equipment installed within the network areas of its facilities with the previous twelve (12) months that fails to meet the Level 1 safety requirements of TP 76200MP, and update the list as needed to keep it current. In the event that Ameritech believes that the collocated equipment will not be or is not being used for interconnection or access to unbundled network elements or determines that the Collocator's equipment does not meet TP 76200MP Level 1 safety requirements, the Collocator will be given ten (10) business days to comply with the requirements or remove the equipment from the collocation space. If the parties do not resolve the dispute, Ameritech or Collocator may file a complaint at the Commission seeking a formal resolution of the dispute.

10.2 Compliance Certification

The Collocator also warrants and represents that any equipment or facilities that may be placed in the Dedicated Space pursuant to Paragraph 9.2 Equipment List; Paragraph 9.2.1 Subsequent Requests to Place Equipment; or otherwise, shall be compliant with SBC TP 76200MP Level 1 safety requirements, except to the extent that Ameritech has deployed the same non-compliant network equipment in the network area(s) of its central offices. The collocator may place Digital Loop Carrier Equipment, and/or, Digital Subscriber Line Carrier Equipment of its choosing in its space.

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1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

10. STANDARDS (Cont'd)

10.2.1 Revisions

Within 45 days of approval of this revised tariff by the Public Utility Commission of Michigan, Ameritech shall revise its Interconnector's Collocation Services Handbook for Physical Collocation in Michigan and its Technical Publication(s) for Physical Collocation and submit the revised documents to the Commission for approval prior to publication. Any revision to Ameritech's Interconnector's Collocation Services Handbook for Physical Collocation in Michigan, or its Technical Publication(s) for Physical Collocation, shall become effective and thereafter applicable under this tariff immediately upon approval by the Commission. The Handbook and Technical Publication(s) may then subsequently be revised from time to time by joint agreement of Ameritech and all affected Collocators. Where agreement cannot be obtained, Ameritech and the Collocator(s) shall attempt to negotiate a resolution to any disagreements. In the event that Ameritech and the Collocator(s) cannot negotiate a resolution, a change must be approved by the Commission. Such publications will be shared with Collocators.

10.2.2 Dispute Resolution Process for Revisions or Implementation of Technical Publications

Disputes that cannot be resolved by the parties regarding revisions to or implementation of Ameritech technical publications that apply to physical collocation arrangements will be resolved by use of (1) mediation, (2) any dispute resolution process promulgated by the Commission, or (3) any other method mutually agreed to by the parties. Either party may use any of these options to obtain a resolution of the dispute.

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1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

11. RE-ENTRY

If the Collocator shall default in performance of any tariff provision herein, and the default shall continue for sixty (60) business days after receipt of written notice, or if the Collocator is declared bankrupt or insolvent or makes an assignment for the benefit of creditors, Ameritech may, immediately or at any time thereafter, without notice or demand, enter and repossess the Dedicated Space, expel the Collocator and any claiming under the Collocator, remove the Collocator's property, forcibly if necessary, and services provided pursuant to this tariff will be terminated without prejudice to any other remedies Ameritech might have.

Ameritech may also refuse additional applications for service and/or refuse to complete any pending orders for additional space or service by the Collocator at any time thereafter.

In the event of a dispute between a collocator and Ameritech regarding any bill, Ameritech shall make an investigation as shall be required by the particular case, and report the results to the collocator and, in the event the dispute is not resolved, shall inform the collocator of the complaint procedures of the Commission.

A collocator shall not be subject to termination for nonpayment of that portion of the bill under dispute pending the completion of the determination of the dispute. The collocator is obligated to pay any billings not disputed.

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1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

11. RE-ENTRY (Cont'd)

In the case of any dispute and at the written request of a Party, each Party will appoint a knowledgeable, responsible representative to meet and negotiate in good faith to resolve any dispute arising under this Agreement. The location, form, frequency, duration, and conclusion of these discussions will be left to the discretion of the representatives. Upon agreement, the representatives may utilize other alternative informal dispute resolution procedures such as mediation to assist in the negotiations. Discussions and the correspondence among the representatives for purposes of settlement are exempt from discovery and production and will not be admissible in the arbitration described below or in any lawsuit without the concurrence of both parties. Documents identified in or provided with such communications, which are not prepared for purposes of the negotiations, are not so exempted and, if otherwise admissible, may be admitted in evidence in the arbitration or lawsuit. To the extent negotiations do not resolve the dispute, and 30 days have passed since the date of the request for resolution under this paragraph, parties may seek more formal dispute resolution procedures as described in their respective interconnection agreement, where applicable.

12. INDEMNIFICATION OF AMERITECH

Except as otherwise provided and to the extent not contradicted herein, the indemnity provisions of the Interconnection Agreement between Ameritech and the Collocator shall apply and are incorporated herein by this reference. However, in no event will the provisions in this section supercede or override the indemnification provisions contained in the interconnection agreement between Ameritech and Collocator. Additionally, in the event of a conflict between indemnification provisions in the interconnection agreement and the Tariff, the provisions in the interconnection agreement will control.

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1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

12. INDEMNIFICATION OF AMERITECH (Cont'd)

Collocators shall indemnify and hold harmless Ameritech the agents, employees, officers, directors and shareholders of any of them ("Indemnities"), from and against any and all liabilities, obligations, claims, causes of action, fines, penalties, losses, costs, expenses (including court costs and reasonable attorneys' fees), damages, injuries, of any kind, (individually and collectively "Liabilities"), including but not limited to, Liabilities as a result of (a) injury to or death of any person; (b) damage to or loss or destruction of any property; or (c) Liabilities related in any manner to employee benefits, workers compensation, payroll tax, and other employer obligations which may be asserted against Ameritech where such liabilities arise in connection with Collocator's use of persons that it classifies as an independent contractor or subcontractor to perform obligations under this Tariff; (d) attachments, liens or claims of material persons or laborers arising out of or resulting from or in connection with this Tariff or the performance of or failure to perform and directly or indirectly caused, in whole or part, by acts of omissions, negligent or otherwise, of Collocator or a contractor or a representative of Collocator or an employee of any one of them, except to the extent such Liabilities arise from the negligence or willful or intentional misconduct of Ameritech or its employees. The provisions in this section are reciprocal and applicable also to Ameritech.

Ameritech shall, make best efforts to promptly notify Collocator of any suit or other legal proceeding asserting a claim for Liabilities. Upon request, Collocator shall, at no cost or expense to any Indemnitee, defend any such suit or legal proceeding asserting a claim for Liabilities, and Collocator shall pay any costs and attorneys' fees that may be incurred by any Indemnitee in connection with any such claim, proceeding or suit. Collocator shall also (a) keep Ameritech and any other Indemnitee subject to any such claim fully informed as to the progress of such defense, and (b) afford Ameritech and such Indemnitee, each at its own expense, an opportunity to participate on an equal basis with Collocator in the defense or settlement of any such claim.

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Detroit, Michigan



1. PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)

13. SERVICES AND MAINTENANCE

13.1 Operating Services

Ameritech shall maintain for the Eligible Structure customary building services, utilities (excluding telephone facilities), including janitorial and elevator services, 24 hours a day, 7 days a week. Any business telephone services ordered by the Collocator for its administrative use within its Dedicated Space will be provided in accordance with applicable Ameritech tariffs.

13.2 Maintenance

Ameritech shall maintain the exterior of the Eligible Structure and grounds, and all entrances, stairways, passageways, and exits used by the Collocator to access the Dedicated Space.

13.3 Legal Requirements

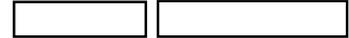
Except for paragraph 15.3, Ameritech agrees to make, at its expense, all changes and additions to the Dedicated Space required by laws, ordinances, orders or regulations of any municipality, county, state or other public authority including the furnishing of required sanitary facilities and fire protection facilities, except fire protection facilities specially required because of the installation of telephone or electronic equipment and fixtures in the Dedicated Space.

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1. **PHYSICAL COLLOCATION (REGULATIONS) (Cont'd)**

14. AMERITECH'S RIGHT OF ACCESS

Ameritech, its agents, employees, and other Ameritech-authorized persons shall have the right to enter collocated space at any reasonable time on three days advance notice of the time and purpose of the entry to examine its condition, make repairs required to be made by Ameritech hereunder, and for any other purpose deemed reasonable by Ameritech. Ameritech may access the collocated space for purpose of averting any threat of harm imposed by the collocater or its equipment or facilities upon the operation of Ameritech equipment, facilities and/or personnel located outside of the collocated space; in such case, Ameritech will notify the collocater by telephone of that entry and will leave written notice of entry in the collocated space. If routine inspections are required, they shall be conducted at a mutually agreeable time.

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1. PHYSICAL COLLOCATION (SERVICES AND RATES)

15. GENERAL

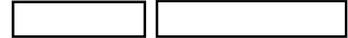
- 15.1 The rates and charges in this tariff are applicable only for physical collocation arrangements in Eligible Structures as defined in Section 1, Paragraph 2 of this tariff. Ameritech allocates the charges for space preparation and security charges on a pro-rated basis so the first collocator in a premises will not be responsible for the entire cost of site preparation. However, ancillary charges for unique collocator requests for collocation options directly attributable to the requesting collocator will not be prorated. Examples include power arrangements, remote switch module related options and POT bay related options.
- 15.2 Parking at Eligible Structures will be provided on a first come, first served basis if there is no commercial parking or curb side parking available within a reasonable radius of the eligible structure. Ameritech will rent parking spaces to Collocators on a first come, first served basis if such space is available. Collocators may not park in spaces that are reserved for Ameritech vehicles and which are designated as reserved. Ameritech shall not unreasonably reserve for its own use all parking at the Eligible Structure. Collocators shall be allowed to have reasonable use of and access to loading docks. Collocators and Ameritech are required to follow all posted traffic and Ameritech signs and follow all applicable parking and traffic laws and ordinances.
- 15.3 The rates and charges in this tariff do not include costs for any Americans with Disability Act (ADA) construction generated or caused by the physical collocation space request. If required, ADA construction will be provided on an ICB.
- 15.4 The rates and charges set forth herein are for physical collocation arrangements, while charges for interconnection and access to unbundled network elements are as set forth in a negotiated interconnection agreement and any applicable Ameritech tariffs.
- 15.5 The term of the Collocation agreement shall be concurrent with the terms of the interconnection agreement unless the collocator chooses a month to month term.

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1. PHYSICAL COLLOCATION (SERVICES AND RATES) (Cont'd)

16. PREPARATION CHARGES

- 16.1 Preparation charges apply for preparing the Dedicated Space for use by the Collocator as outlined in this section. These rates and charges are found in Paragraph 21 Rates and Charges, following.
- 16.2 Ameritech will contract for and perform the construction and other activities underlying the preparation of the Telecommunications Infrastructure Area and Dedicated Space, and any Custom Work charges (as defined in Paragraph 17.2.2 following), using the same or consistent practices that are used by Ameritech for other construction and preparation work performed in the Eligible Structure in which the Dedicated Space is located. Ameritech will permit Collocators to review the contractor invoices. To insure efficient use of space, Ameritech will provide a physical collocation area supporting as many square foot units of collocation space as is reasonably available in each specific Eligible Structure where space is available. Ameritech will not require Collocators to use separate rooms or floors which only serves to increase the cost of collocation and decrease the amount of available collocation space. Ameritech will not utilize unreasonable segregation requirements to impose unnecessary additional cost on Collocators.
- 16.3 The Collocator will be permitted to contract its own work for the preparation activities within the Collocator's cage including the construction of physical security arrangements. However, any such contractor shall be subject to the approval of Ameritech, such Dedicated Space preparation activities shall be in accordance with all approved plans and specifications and coordinated with Ameritech, and the Collocator shall be solely responsible for all charges of any such contractor. Use of any such contractor shall not nullify the construction interval set forth in Paragraph 6.1.3 Interval, preceding with respect to the preparation of the Telecommunications Infrastructure Area and Custom Work.
- 16.4 The collocator may elect to install its own Point of Termination (POT) Frame to be placed in the collocator's cage or in the collocation area.

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1. **PHYSICAL COLLOCATION (SERVICES AND RATES) (Cont'd)**

17. CHARGES

17.1 **Monthly Charges**

The flat-rate monthly recurring charges shall begin the earlier of when the first circuit is turned up or 5 days after the Collocator has been notified that the preparation of the Dedicated Space is complete, and shall apply each month or fraction thereof that physical collocation is provided. For billing purposes, each month is considered to have 30 days. The applicable recurring charges are set forth in Paragraph 21 Rates and Charges, following, for use of the Dedicated Space.

17.2 **Nonrecurring Charges**

17.2.1 Nonrecurring charges are one-time charges that apply for specific work activity associated with providing physical collocation, per request, per Eligible Structure.

17.2.2 With respect to any preparation of the Dedicated Space, the Collocator shall pay Ameritech fifty percent (50%) of the estimated nonrecurring Preparation Charges as specified for in Paragraph 16 Preparation Charges, preceding the commencement of work and fifty (50%) of any Custom Work Charges at the time that 50% of the work is completed.

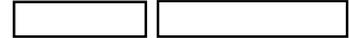
The remaining portion of any Custom Work charge is due upon completion. The remaining portion of the Preparation Charge shall be paid by the Collocator either (1) when the Dedicated Space is complete and prior to occupancy, or (2) in six (6) equal monthly installments, with a "carrying charge" based on the average prime commercial paper rate then in effect and applicable to under/overcharges as set forth in SUBST. R. 23.45(g). In the event the Collocator vacates the Dedicated Space during the six (6) month period, all outstanding nonrecurring charges will become due immediately and payable by the Collocator.

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PART 23 - Interconnection Service for Local
Exchange Telecommunications Carriers
SECTION 4 - Collocation Services

Original Sheet No. 74

1. PHYSICAL COLLOCATION (SERVICES AND RATES) (Cont'd)

17. CHARGES (Cont'd)

17.3 Individual Case Basis (ICB)

Ameritech may seek to impose Individual Case Basis(ICB) charges for requirements based on requests from a Collocator that are beyond the terms, conditions, and rates established in this Tariff. ICB charges may only be imposed subject to the requirements defined in Section 2 (Definition of Custom Work Charges) and to the process established in Section 20.1 of this Tariff.

17.4 Outstanding Balances

All outstanding balances, including monthly recurring charges and electrical power consumption, will be included in the final bill to the Collocator.

18 Unused

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1. **PHYSICAL COLLOCATION (SERVICES AND RATES) (Cont'd)**

19. RECONCILIATION OF INTERIM COLLOCATION AGREEMENTS

For interim collocation agreements that were entered into between Ameritech and the Collocator prior to the approval of this tariff, Ameritech and the Collocator shall perform a true-up, without calculation of any interest amounts based upon the tariff charges approved by the Commission. This true-up and any associated payments from either Ameritech or the Collocator to the other shall occur within a reasonable amount of time after the tariff charges become effective, and shall not effect the right of either Ameritech or the Collocator to appeal any Commission order with respect to such tariff proceeding.

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1. PHYSICAL COLLOCATION (SERVICES AND RATES) (Cont'd)

20. RATE ELEMENTS

20.1 Determination of Charges Not Established in Tariff (Custom Work Charges)

- (A) Rate Elements - In the event that Ameritech seeks to impose a rate element or charge to a Collocator that is not specifically provided for in this Tariff, Ameritech shall be required to provide the quote for the rate element within the same time frames provided for in Section 6.1.3 of this Tariff. When Ameritech provides the price quote containing rate elements or charges that are not established in this Tariff, Ameritech shall also provide all cost support for the proposed rate element or charge, and shall rely on the total long-run incremental cost methodology as used by the Commission in setting rates for this Tariff.
- (B) In the event the Collocator disputes the rate element or charge proposed by Ameritech that is not specifically provided for in this Tariff, Collocator shall notify Ameritech of its dispute with the proposed charge in writing. In the event the dispute is not resolved within fifteen (15) days from the date of Collocator's notification, then Collocator may file a request for dispute resolution with Central Records of the Commission. In its request, Collocator should provide a copy of Ameritech's price quote, a detailed explanation of the charges in dispute, and Collocator's proposed charges and requested relief. The Commission shall use its Dispute Resolution Rules to resolve the complaint. Any Commission resolution or agreement reached by Collocator and Ameritech after the dispute has been filed with the Commission shall be made public. In the event that the Collocator files a request for dispute resolution with the Commission, the Collocator may seek interim relief pending final resolution of the dispute, subject to true-up of the final rates or charges set by the Commission. The Collocator may use, as a basis for interim relief, any rate approved by another state commission, agreed to by Ameritech with another Collocator, or agreed to by any other incumbent LEC for provision of the same arrangement or work.

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1. PHYSICAL COLLOCATION (SERVICES AND RATES) (Cont'd)

20. RATE ELEMENTS (Cont'd)

20.2 Planning

The Planning fee recovers Ameritech costs incurred to estimate the quotation of charges for the Collocator's request for the physical collocation arrangements. An initial Planning fee will apply to the Collocator's physical collocation request. Requests for additions to the initial request, such as the addition of Collocator provided equipment that requires Ameritech to engineer and purchase additional equipment will result in a Subsequent Planning Fee. A major revision to the initial request for physical collocation that changes floor space requirements, cable entrance facilities requirements, or changes DC Power Distribution, will be considered a total revision and result in the reapplication of an initial Planning fee. Rates and charges are as found in Paragraph 21.1 following.

20.3 Caged Collocation

The caged collocation option provides the collocator with an individual enclosure (not including a top). This enclosure is an area designated by Ameritech within an Eligible Structure to be used by the collocator for the sole purpose of installing, maintaining and operating the collocator-provided equipment.

Ameritech will provide floor space (contained in the Physical Land and Building charge), and cage construction (contained in the Physical Cage Preparation charge) in increments of 100 square feet. Rates and charges are as found in Paragraph 21.2 following.

When a collocator constructs its own cage and related equipment, the collocator will not be subject to the Physical Cage Preparation charge as set forth in Paragraph 21.2 following. The collocator may provide a cage enclosure (not including a top), cable rack and support structure inside the cage, lighting, receptacles, cage grounding, cage sign and door key set. In addition, terms and conditions for contractors performing cage construction activities as set forth in Paragraph 16.3 preceding will apply.



1. PHYSICAL COLLOCATION (SERVICES AND RATES) (Cont'd)

20. RATE ELEMENTS (Cont'd)

20.3 Caged Collocation (Cont'd)

If the collocator elects to install, or requests that Ameritech provide and install, a point of termination (POT) frame in the dedicated collocation area rather than inside its cage, the floor space rate for cageless collocation found in Paragraph 21.3 following applies.

(A) Physical Land and Building Charge

Consists of the following elements which are based on the average cost for Ameritech within Michigan:

- Construction costs
- Operating costs

(B) Physical Cage Preparation Charge

Consists of the following and represents costs necessary to condition basic floorspace to accommodate telecommunications equipment and construct the collocation arrangement:

- New floor tile
- General lighting
- House service receptacles
- Electrical panel for lights and receptacles
- Cable slots for routing of power and transmission cables
- Partitioning material
- Doors for the common area and the individual cages

(C) Heating, Ventilating and Air Conditioning

Consists of the elements necessary to provide HVAC within the Eligible Structure and to the collocation arrangement and is based on the heat dissipation required for 10 amps of DC power.

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1. PHYSICAL COLLOCATION (SERVICES AND RATES) (Cont'd)

20. RATE ELEMENTS (Cont'd)

20.3 Caged Collocation (Cont'd)

(D) Physical Cable Racking

Consists of the overhead racking contained with the collocation arrangement to support the individual collocation cages.

(E) Physical Grounding

Consists of the ground mesh and cabling necessary to extend the floor ground within Ameritech's central office to the collocation arrangement.

20.3.1 Caged Common Collocation

The Caged Common Collocation option provides the collocators with an enclosure (not including a top). This enclosure is an area designated by Ameritech within an Eligible Structure to be used by the collocators for the sole purpose of installing, maintaining and operating the collocator-provided equipment.

Caged Common Collocation space will be provided where space permits when five (5), or more Collocators have provided Ameritech with their forecasted space requirements accompanied with a firm order and 25% of non-recurring charges for the forecasted space as deposit. When these criteria have been met, Ameritech will construct a common cage minimum of 550 sq. ft. of space unless Collocators' combined forecasted space needs for the initial year exceed 550 sq. ft., in which case, Ameritech will construct the cage to the Collocators' combined forecasts for the initial year. Charges to each collocator will be based on its forecasted linear footage of floor space and adjusted by the occupancy factor. Subsequent additions to the Caged Common Collocation area will be based on firm orders with the Collocator(s) requesting additional space bearing the costs for such expansion.

Ameritech shall provide a caged enclosure (without a top), cable rack and support structure inside the cage, lighting, receptacles, cage grounding, cage sign and door key set.

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1. PHYSICAL COLLOCATION (SERVICES AND RATES) (Cont'd)

20. RATE ELEMENTS (Cont'd)

20.3.1 Caged Common Collocation

Ameritech will provide floor space (contained in the Land and Building Charge), and common cage preparation (contained in the Cage Preparation Charge) in increments of one linear rack foot. The first collocater in Ameritech premises will be responsible only for its pro rata share of the cost of site preparation and security. Charges to each collocater will be based upon the linear foot of rack space used by each collocater. Rates and charges are contained in Section 21.4.

Establishing and maintaining a 550 sq. ft. floor space minimum requirement for Caged Common Collocation, where applicable, will not be a basis for a claim that space is Legitimately Exhausted.

(A) Land and Building

Consists of the following elements which are based on the average cost for Ameritech within Michigan:

- Construction costs
- Operating costs

(B) Cage Preparation Charge

Consists of the following and represents costs necessary to condition basic floorspace to accommodate telecommunications equipment and construct the collocation arrangement:

- New floor tile
- General lighting
- House service receptacles
- Electrical panel for lights and receptacles
- Cable slots for routing of power and transmission cables
- Partitioning material
- Door for the common area



1. PHYSICAL COLLOCATION (SERVICES AND RATES) (Cont'd)

20. RATE ELEMENTS (Cont'd)

20.3.1 Caged Common Collocation (Cont'd)

(C) Heating, Ventilating and Air Conditioning

Consists of the elements necessary to provide HVAC within the Eligible Structure and to the collocation arrangement and is based on the heat dissipation required for 10 amps of DC power.

(D) Cable Racking

Consists of the overhead racking contained with the collocation arrangement to support the individual collocation cages.

(E) Grounding

Consists of the ground mesh and cabling necessary to extend the floor ground within Ameritech's central office to the collocation arrangement.

20.4 Cageless Collocation

The Cageless Collocation charges consists of floor space, bay and aisle lighting and the design and placement of common systems materials in an area designated by Ameritech within an Eligible Structure to be used by the collocater for the sole purpose of installing, maintaining and operating the collocater-provided equipment.

Ameritech will provide floor space (contained in the Land and Building Charge), and relay rack space (contained in the Relay Rack Charge), in increments of $\frac{1}{4}$ of a relay rack. Charges to each collocater will be based upon units of $\frac{1}{4}$ rack increments used by each collocater.

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1. **PHYSICAL COLLOCATION (SERVICES AND RATES) (Cont'd)**

20. RATE ELEMENTS (Cont'd)

20.4 **Cageless Collocation** (Cont'd)

(A) Land and Building Charge

Consists of the following elements which are based on the average cost for Ameritech within Michigan:

- Construction costs
- Operating costs

(B) Relay Rack Charge

Consists of the cost for the relay rack space occupied for Cageless Collocation.

(C) Heating, Ventilating and Air Conditioning

Consists of the elements necessary to provide HVAC within the Eligible Structure and to the collocation arrangement and is based on the heat dissipation required for 10 amps of DC power.

20.5 **Power Consumption - DC Usage**

The DC Power charge consists of use of the DC power system, with AC input and AC backup for 40,100, 200, 400, 600, 800 AMPS (redundant) feeder increments. Rates and charges are as found in Section 21.5.

20.6 **Power Consumption - AC Usage**

The Power Consumption - AC Usage charge consists of the AC energy to provide redundant DC power. Rates and charges are as found in Paragraph 21.6 following.

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1. PHYSICAL COLLOCATION (SERVICES AND RATES) (Cont'd)

20. RATE ELEMENTS (Cont'd)

20.7 Security Cards

The Security Cards charge consists of a charge for five (5) security access cards. Rates and charges are as found in Paragraph 21.7 following.

20.8 Interconnection Arrangement Options

Collocators will select one or more of the interconnection arrangements listed below.

20.8.1 DS1 Interconnection Arrangement (DSX or DCS), Each

An Ameritech-provided arrangement of twenty eight (28) DS1 connections per arrangement between the collocator's optional POT Frame or equipment bay and the Ameritech network. This rate element may not be provided by the collocator. Cable and rack arrangements between the optional POT Frame and the collocator's cage space may be provided by the collocator. The collocator will not be permitted access to the Ameritech Main Distribution Frame. If regeneration is required because the cabling distance between the collocator's POT bay or termination point located in an Adjacent Structure and Ameritech's cross connect bay exceeds ANSI limitations or where the collocator specifically requests regeneration, it will be at the collocator's expense. Regeneration is not required in any other circumstance. Rates and charges are as found in Paragraph 21.8 following.

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1. PHYSICAL COLLOCATION (SERVICES AND RATES) (Cont'd)

20. RATE ELEMENTS (Cont'd)

20.8.2 DS3 Interconnection Arrangement (DSX or DCS), Each

An Ameritech-provided arrangement for one (1) DS3 connection per arrangement between the collocator's optional POT Frame or equipment bay and the Ameritech network. This rate element may not be provided by the collocator. Cable and rack arrangements between the optional POT Frame and the collocator's cage space may be provided by the collocator. The collocator will not be permitted access to the Ameritech Main Distribution Frame. If regeneration is required because the cabling distance between the collocator's POT bay or termination point located in an Adjacent Structure and Ameritech's cross connect bay exceeds ANSI limitations or where the collocator specifically requests regeneration, it will be at the collocator's expense. Regeneration is not required in any other circumstance. Rates and charges are as found in Paragraph 21.8 following.

20.8.3 Voice Grade Interconnection Arrangement, Each

An Ameritech-provided arrangement that provides one hundred (100) copper connections between the collocator's optional POT Frame or equipment bay and the Ameritech network. This rate element may not be provided by the collocator. Cable and rack arrangements between the optional POT Frame and the collocator's cage space may be provided by the collocator. The collocator will not be permitted access to the Ameritech Main Distribution Frame. Rates and charges are as found in Paragraph 21.8 following.

20.9 Optical Circuit Arrangement

This sub-element provides for the cost associated with providing twelve (12) fiber connection arrangements to the Ameritech network. This rate element may not be provided by the collocator. The collocator will not be permitted access to the Ameritech Main Distribution Frame. Rates and charges are as found in Paragraph 21.9 following.

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PART 23 - Interconnection Service for Local
Telecommunications Carriers
SECTION 4 - Collocation Services

1st Revised Sheet No. 85
Cancels
Original Sheet No. 85

1. PHYSICAL COLLOCATION (SERVICES AND RATES) (cont'd)

20. RATE ELEMENTS (cont'd)

20.10 DC Power Delivery

The DC Power Delivery arrangement is the cable and the cable rack including support and fabrication material. Rates and charges are as found in Paragraph 21.10 following. For cageless collocation, the collocater is responsible for provisioning the power cable feeds between the Ameritech power source and the Collocator equipment as part of the installation of the Collocator equipment by an Ameritech approved power installation vendor.

(C)
|
(C)

20.11 Entrance Fiber Structure Charge

Any reinforced passage or opening placed for the Collocator provided facility in, on, under/over or through the ground between the Ameritech designated manhole and the cable vault of the eligible structure. Rates and charges are as found in Paragraph 21.11 following.

20.12 Entrance Fiber, Per Cable Sheath

The Entrance Fiber charge reflects the time interval spent by Ameritech in pulling the Collocator's cable facilities from the Ameritech-designated manhole, through the Ameritech cable vault and through the Ameritech cable support structure to the collocater's equipment. Rates and charges are as found in Paragraph 21.12 following.

20.13 Adjacent On-Site Structure Arrangements

If a collocater elects to provide an adjacent on-site structure as described in Paragraph 6.1.1 (E) preceding, when all available space is Legitimately Exhausted inside an Ameritech Eligible Structure, Ameritech will provide the following sub-elements where space is available and it is technically feasible. Rates and charges for these sub-elements are as found in Paragraph 21.13 following.

- Land Rental, per square foot

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1. **PHYSICAL COLLOCATION (SERVICES AND RATES) (Cont'd)**

20. RATE ELEMENTS (Cont'd)

20.14 **Collocation-to-Collocation Connection**

This rate element includes physical-to-physical, cageless-to-cageless, and physical-to-virtual connection options.

(A) Fiber Cable (12 Fibers)

This rate element provides for direct cabling using fiber cable (12 fibers) between two (2) collocation arrangements at an Eligible Structure. This rate element is expressed as a combination of a non-recurring charge and a monthly rate and these charges are as specified in 21.14.

(B) DS1 Cable (28 DS1s)

This rate element provides for direct cabling using copper cable (28 DS1s) between two (2) collocation arrangements at an Eligible Structure. This rate element is expressed as a combination of a non-recurring charge and a monthly rate and these charges are as specified in 21.14.

(C) Coax Cable (1 DS3)

This rate element provides for direct cabling using coaxial cable (1 DS3) between two (2) collocation arrangements at an Eligible Structure. This rate element is expressed as a combination of a non-recurring charge and a monthly rate and these charges are specified in 21.14.

(D) Cable Racking and Hole

This rate element provides for the use of cable racking and hole space for the Collocation-to-Collocation connections identified above. This rate element is expressed as a monthly rate and these charges are specified in 21.14

PART 23 - Interconnection Service for Local
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 SECTION 4 - Collocation Services

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 Cancels
 Original Sheet No. 87

1. PHYSICAL COLLOCATION (SERVICES AND RATES) (cont'd)

21. RATES AND CHARGES

The following rates and charges apply for physical collocation requests:

21.1 Planning Fees

Description	Monthly Rate	Nonrecurring Charge
Physical Collocation		
- Initial (monthly per 100 SF)	\$22.29	\$3,805.77
- Subsequent Cable Only	None	1,317.38
Common/Shared Collocation		
- Initial (monthly per LF)	1.04(I)	3,220.27
- Subsequent Cable Only	None	1,317.38
Cageless Collocation		
- Initial	None	4,830.40
- Subsequent Cable Only	None	1,463.76
Adjacent On-Site Collocation		
- Initial	None	6,586.91
- Subsequent Cable Only	None	1,317.38
Adjacent Off-Site Collocation		
- Initial	None	1,418.13

(C)

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 Detroit, Michigan

1. PHYSICAL COLLOCATION (SERVICES AND RATES) (Cont'd)

21. RATES AND CHARGES (Cont'd)

The following rates and charges apply for physical collocation requests:

	<u>Monthly Rate</u>	<u>Non-recurring Charge</u>
21.1 Physical Caged Collocation		
- Physical Land and Building per 100 square foot cage	\$ 915.67	None
--Physical Cage Preparation per 100 square foot cage	58.27	None
- HVAC per 10 Amps of DC Power	5.92	None
- Physical Cable Racking per 100 square foot cage	28.51	None
- Physical Grounding per 100 square foot cage	4.73	None
21.2 Cageless Collocation		
- Land and Building Charge (Per ¼ Rack)	11.24	None
- Relay Rack Charge (Optional) (Per ¼ Rack)	2.61	None
- HVAC Per 10 Amps of DC Power	5.92	None

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1. PHYSICAL COLLOCATION (SERVICES AND RATES) (Cont'd)

21. RATES AND CHARGES (Cont'd)

The following rates and charges apply for physical collocation requests:

	<u>Monthly</u> <u>Rate</u>	<u>Non-recurring</u> <u>Charge</u>
21.3 Caged Common Collocation		
- Land and Building per common area linear foot	\$ 42.53	None
- Cage Preparation per common area linear foot	2.20	None
- HVAC per 10 Amps of DC Power	5.92	None
- Physical Cable Racking per common area linear foot	4.48	None
- Physical Grounding per common area linear foot	0.22	None
21.5 Power Consumption - DC Usage		
Physical Caged Collocation		
- Per AMP	5.95	None
Common Caged Collocation		
- Per AMP	5.95	None
Cageless Collocation		
- Per AMP	6.34	None
Adjacent On-Site Collocation		
- Per AMP	5.10	None

By Robin Gleason, Vice President - Regulatory
Detroit, Michigan

1. PHYSICAL COLLOCATION (SERVICES AND RATES) (Cont'd)

21. RATES AND CHARGES (Cont'd)

The following rates and charges apply for physical collocation requests:

	<u>Monthly Rate</u>	<u>Non-recurring Charge</u>
21.6 Power Consumption - AC Usage		
Physical Caged Collocation		
- Per AMP	\$ 3.70	None
Common Caged Collocation		
- Per AMP	3.70	None
Cageless Collocation		
- Per AMP	3.70	None
Adjacent On-Site Collocation		
- Per AMP	3.70	None
21.7 Security Cards (5 Cards)	None	\$ 85.81
21.8 Interconnection Arrangement Options		
Physical Caged Collocation		
- DS1 Arrangement (28 DS1s) - DCS	290.62	1,314.96
- DS1 Arrangement (28 DS1s) - DSX	14.30	1,314.96
Common Caged Collocation		
- DS1 Arrangement (28 DS1s) - DCS	290.62	1,314.96
- DS1 Arrangement (28 DS1s) - DSX	14.30	1,314.96
Cageless Collocation		
- DS1 Arrangement (28 DS1s) - DCS	290.62	1,314.96
- DS1 Arrangement (28 DS1s) - DSX	14.30	1,314.96

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1. PHYSICAL COLLOCATION (SERVICES AND RATES) (Cont'd)

21. RATES AND CHARGES (Cont'd)

The following rates and charges apply for physical collocation requests:

	<u>Monthly</u> <u>Rate</u>	<u>Non-recurring</u> <u>Charge</u>
21.8 Interconnection Arrangement Options (Cont'd)		
Adjacent On-Site Collocation		
- DS1 Arrangement (28 DS1s) - DCS	\$ 291.23	\$ 1,681.56
- DS1 Arrangement (28 DS1s) - DSX	14.92	1,681.56
Adjacent Off-Site Collocation		
- DS1 Arrangement (28 DS1s) - DCS	290.62	1,314.96
- DS1 Arrangement (28 DS1s) - DSX	14.30	1,314.96
- DS1 Arrangement (450 DS1s) - MDF	348.33	617.81
Physical Caged Collocation		
- DS3 Arrangement (1 DS3) - DCS	72.84	336.02
- DS3 Arrangement (1 DS3) - DSX	12.53	336.02
Common Caged Collocation		
- DS3 Arrangement (1 DS3) - DCS	72.77	336.02
- DS3 Arrangement (1 DS3) - DSX	12.53	336.02
Cageless Collocation		
- DS3 Arrangement (1 DS3) - DCS	72.84	336.02
- DS3 Arrangement (1 DS3) - DSX	12.53	336.02
Adjacent On-Site Collocation		
- DS3 Arrangement (1 DS3) - DCS	73.46	429.70
- DS3 Arrangement (1 DS3) - DSX	13.15	429.70

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1. PHYSICAL COLLOCATION (SERVICES AND RATES) (Cont'd)

21. RATES AND CHARGES (Cont'd)

The following rates and charges apply for physical collocation requests:

	<u>Monthly Rate</u>	<u>Non-recurring Charge</u>
21.9 Interconnection Arrangement Options (Cont'd)		
Physical Caged Collocation		
- Voice Grade Arrangement (100 Pairs)	\$ 6.28	\$ 865.95
Common Caged Collocation		
- Voice Grade Arrangement (100 Pairs)	6.28	865.95
Cageless Collocation		
- Voice Grade Arrangement (100 Pairs)	6.36	865.95
Adjacent On-Site Collocation		
- Voice Grade Arrangement (100 Pairs)	41.78	1,263.41
Adjacent Off-Site Collocation		
- Voice Grade Arrangement (900 Pairs)	348.33	617.81
Optical Circuit Arrangement (12 fiber pairs)		
- Physical Caged Collocation (per Cable)	8.12	2,425.88
- Caged Common Collocation (per Cable)	8.12	2,425.88
- Cageless Collocation (per Cable)	8.12	2,106.69
- Adjacent On-site Collocation (per Cable)	8.89	2,694.01
- Adjacent Off-site Collocation (per Cable)	8.93	2,662.72

By Robin Gleason, Vice President - Regulatory
Detroit, Michigan

1. PHYSICAL COLLOCATION (SERVICES AND RATES) (Cont'd)

21. RATES AND CHARGES (Cont'd)

The following rates and charges apply for physical collocation requests:

	<u>Monthly Rate</u>	<u>Non-recurring Charge</u>
21.10 Power Arrangement		
Physical Caged Collocation		
- Power Delivery - 40 AMP	None	\$ 157.89
- Power Delivery - 100 AMP	None	205.94
- Power Delivery - 200 AMP	None	268.41
Common Caged Collocation		
- Power Delivery - 40 AMP	None	157.89
- Power Delivery - 100 AMP	None	205.94
- Power Delivery - 200 AMP	None	268.41
Adjacent On-Site Collocation		
- Power Delivery - 200 AMP	50.42	6,540.01
- Power Delivery - 400 AMP	66.04	11,817.41
- Power Delivery - 600 AMP	67.77	15,312.95
- Power Delivery - 800 AMP	84.26	22,338.12

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PART 23 - Interconnection Service for Local
 Telecommunications Carriers
 SECTION 4 - Collocation Services

1st Revised Sheet No. 94
 Cancels
 Original Sheet No. 94

1. PHYSICAL COLLOCATION (SERVICES AND RATES) (cont'd)

21. RATES AND CHARGES

The following rates and charges apply for physical collocation requests:

Description	Monthly Price	Nonrecurring Charge
21.11 Entrance Fiber Structure Charge (Per Innerduct)	\$ 1.9444	None
21.12 Entrance Fiber, per cable sheath		
- Physical Caged Collocation	2.73	\$1,420.97
- Common Caged Collocation	2.73	1,420.97
- Cageless Collocation	14.97	1,420.97
- Adjacent On-Site Collocation	31.36(R)	2,602.13
21.13 Adjacent On-Site Collocation Arrangement		
- Land Rental, per square foot	0.39	None
21.14 Collocation-to-Collocation Connection		
Physical to Physical		
- Fiber Cable (12 Fibers)	0.82	2,106.69
- DS1 Cable (28 DS1s)	0.74	1,314.96
- DS3 Cable (1 DS3)	0.74	336.02
Cageless to Cageless		
- Fiber Cable (12 Fibers)	0.24	829.91
- DS1 Cable (28 DS1s)	0.19	518.01
- DS3 Cable (1 DS3)	0.19	132.37
Physical/Cageless to Virtual		
- Fiber Cable (12 Fibers)	0.24	829.91
- DS1 Cable (28 DS1s)	0.19	518.01
- DS3 Cable (1 DS3)	0.19	132.37

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PART 23 - Interconnection Service for Local
Exchange Telecommunications Carriers

SECTION 4 - Collocation Services

Original Sheet No. 95

2. VIRTUAL COLLOCATION

APPLICATION OF TARIFF

This tariff sets forth the terms and conditions for physical collocation arrangements furnished or made available by Ameritech of Michigan (Ameritech) in the State of Michigan pursuant to Case No. U-11831 before the Michigan Public Service Commission.

Whenever reference is made in this tariff to other intrastate Michigan tariffs of Ameritech, the reference is to the tariffs in effect as of the effective date of this tariff, and to amendments thereto and successive issues thereof.

The rates and services provided in this tariff are regulated and approved by the Commission in compliance with the Commission's rules and the Federal Telecommunications Act of 1996 ("FTA96").

Ameritech, where possible, will make available to common carriers, services provided in other Ameritech tariffs under the Rules, Regulations and Rates provided in those tariffs except where specific exception is made in this tariff.

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Detroit, Michigan

2. VIRTUAL COLLOCATION (CONT'D)

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2. VIRTUAL COLLOCATION (CONT'D)

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Detroit, Michigan

2. VIRTUAL COLLOCATION (CONT'D)

1. GENERAL (Cont'd)

22.1 General Description

This Section of the Access Service Tariff provides for Virtual Collocation for the purpose of interconnecting to Ameritech for the transmission and routing of telephone exchange service and exchange access pursuant to 47 U.S.C. §251 (c)(2), and for access to Ameritech's Unbundled Network Elements ("UNEs") pursuant to 47 U.S.C. §251 (c)(3) of the FTA 96 when the virtually collocated telecommunications equipment (hereafter referred to as equipment) is provided by the Collocator.

Virtual Collocation in the Central Office is available for interconnection with Ameritech for the transmission and routing of telephone exchange service and exchange access as well as Ameritech-provided UNEs.

Rates for the individual UNEs the Collocator wants to gain access to for virtual collocation purposes can be found in the individual Collocator's Interconnection Agreement with Ameritech.

Ameritech will exercise physical control over any equipment deployed for the purposes of Virtual Collocation.

A description of the rate categories applicable to Virtual Collocation for the purpose of interconnecting to Ameritech within Ameritech's Central Offices is contained in 22.13.1. (Rate Elements for Ameritech Central Offices).

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2. VIRTUAL COLLOCATION (CONT'D)

1. GENERAL (Cont'd)

22.1.1 Virtual Collocation for Interconnection to Ameritech for the Transmission and Routing of Telephone Exchange Service and Exchange Access, and for Interconnection with Ameritech-Provided UNEs when the Equipment is Provided by the Collocator.

Virtual Collocation provides for interconnection between Ameritech and the facilities of a virtual Collocator and is available for the transmission and routing of telephone exchange service and exchange access in Ameritech Central Offices and for interconnection with Ameritech-provided UNEs in Ameritech Central Offices.

The rate elements provided in this tariff section are required when Collocators use virtual collocation equipment to access UNEs. Such access is provided through cross connects purchased from the Collocator/Ameritech Interconnection Agreement. Unbundled network elements including associated cross connects are obtained from the Interconnection Agreement between the Collocator and Ameritech. Cross connects associated with UNEs establish the circuit between the virtually collocated equipment and these cross connects are the point at which services provided and purchased from the Ameritech/Collocator Interconnection Agreement begin. Virtually collocated equipment is available as follows:

- (A) A Collocator shall purchase from the vendor the equipment to be virtually collocated subject to the provisions as set forth in 22.1.1 (B) below and the equipment conforming to industry safety standards as described in Ameritech's Technical Publication.

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2. VIRTUAL COLLOCATION (CONT'D)

1. GENERAL (Cont'd)

22.1.1 Virtual Collocation for Interconnection to Ameritech for the Transmission and Routing of Telephone Exchange Service and Exchange Access, and for Interconnection with Ameritech-Provided UNEs when the Equipment is Provided by the Collocator. (Cont'd)

- (B) The Collocator may locate all equipment used and useful for interconnection to Ameritech under 47.U.S.C. 251 (C) (2) and accessing Ameritech's unbundled network elements under 47.U.S.C. 251 (C) (3) of the FTA 96, regardless of whether such equipment includes a switching functionality, provides enhanced services capabilities, or offers other functionalities. Ameritech will permit the collocation of equipment such as DSLAMs, routers, ATM multiplexers, and remote switching modules in Ameritech Eligible Structures. Ameritech may not place any limitations on the ability of collocators to use all the features, functions, and capabilities of collocated equipment, including but not limited to, switching and routing features and functions. The collocator will certify in writing to Ameritech that the equipment is used and useful for interconnection or access to unbundled network elements. In the event that Ameritech believes that the collocated equipment will not be or is not being used for interconnection or access to unbundled network elements, Ameritech shall notify the Collocator and provide Collocator with ten (10) days to respond. In the event that the parties do not resolve the dispute, Ameritech may file a complaint at the Commission seeking a formal determination that the equipment cannot be collocated in a Ameritech Eligible Structure. While the dispute is pending, Ameritech will not prevent or otherwise delay installation of the disputed equipment in the Collocation space.

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2. VIRTUAL COLLOCATION (CONT'D)

1. GENERAL (Cont'd)

22.1.2 Virtual Collocation for Interconnection to Ameritech for the Transmission and Routing of Telephone Exchange Service and Exchange Access, and for Interconnection with Ameritech-Provided UNEs when the Equipment is Provided by the Collocator. (Cont'd)

(B) (Cont'd)

Regarding safety, Collocator equipment or operating practices representing a significant demonstrable technical or physical threat to Ameritech's personnel, network or facilities, including the Eligible Structure, or those of others are strictly prohibited. Regarding safety, and notwithstanding any other provision hereof, the characteristics and methods of operation of any equipment or facilities placed in the virtual collocation space shall not create hazards for or cause damage to those facilities, the virtual collocation space, or the Eligible Structure in which the virtual collocation space is located; impair the privacy of any communications carried in, from, or through the Eligible Structure in which the virtual collocation space is located; or create hazards or cause physical harm to any individual or the public. Any of the foregoing would be in violation of this tariff.

Ameritech requires that all equipment to be collocated in Ameritech's Eligible Structures meet Level 1 safety requirements as set forth in SBC document TP 76200MP, but Ameritech may not impose safety requirements on the Collocators that are more stringent than the safety requirements it imposes on its own equipment. Ameritech may not deny collocation of Collocator's equipment because the equipment fails to meet SBC TP 76200MP reliability standards. Ameritech will publish, at least quarterly, a list of all network equipment installed within the network areas of its facilities within the previous twelve (12) months that fails to meet the Level 1 Safety requirements of TP 76200MP, and update the list as needed to keep it current.

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2. VIRTUAL COLLOCATION (CONT'D)

1. GENERAL (Cont'd)

22.1.3 Virtual Collocation for Interconnection to Ameritech for the Transmission and Routing of Telephone Exchange Service and Exchange Access, and for Interconnection with Ameritech-Provided UNES when the Equipment is Provided by the Collocator. (Cont'd)

(B) (Cont'd)

In the event that Ameritech believes that the collocated equipment will not be or is not being used for interconnection or access to unbundled network elements or determines that the Collocator's equipment does not meet TP 76200MP Level 1 Safety requirements, the Collocator will be given ten (10) business days to comply with the requirements or remove the equipment from the collocation space. If the parties do not resolve the dispute, Ameritech or Collocator may file a complaint at the Commission seeking a formal resolution of the dispute.

(C) A Collocator may arrange for a mutually agreed upon vendor/contractor to engineer and install the virtually collocated equipment the Collocator purchases and the Collocator may pay the vendor/contractor directly. The installation contractor and their activity will be under the direction and control of Collocator who will ensure that the installation contractor meets all standards and requirements for installation of equipment, as required under this Tariff. If Ameritech chooses to have its personnel present when the CLEC equipment is installed, then Ameritech's presence will be at its own expense. However, if Ameritech demonstrates that the CLEC contractor has or would have violated any standard or requirement for installation of equipment, as required under this tariff, the CLEC is responsible for the quantifiable expense incurred by Ameritech.

22.1.2 Federal Telecommunications Act of 1996

Ameritech provides virtual collocation for interconnection to Ameritech for the transmission and routing of telephone exchange service and exchange access pursuant to 47 U.S.C. §251(c)(2), and for access to Ameritech's unbundled network elements pursuant to 47 U.S.C. §251(c)(3).

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2. VIRTUAL COLLOCATION (CONT'D)

1. GENERAL (Cont'd)

22.2 Provisioning

Ameritech will designate the location or locations within its wire centers for the placement of all equipment and facilities associated with virtual collocation. Virtual collocation does not involve the reservation of segregated central office space for the use of Collocators.

Virtual Collocation is available for the direct connection of one Collocator-provided facility to a different interconnected provided facility within the same Ameritech wire center provided the Collocator is interconnected with Ameritech's network.

Ameritech will provide Virtual Collocation for comparable equipment as it provides to itself in the central office.

22.3 Collocator Responsibilities

The customer will provide, under this section of the tariff, at its expense, all facilities and equipment required to facilitate interconnection and access to Ameritech UNEs. The customer will, at its expense, provide the following:

- All plug-ins and/or circuit packs (working, spare, and replacements),
- All unique tools and test equipment,
- Any ancillary equipment and cabling used for remote monitoring and control,
- Any technical publications and updates associated with all Collocator-owned and provided equipment,

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2. VIRTUAL COLLOCATION (CONT'D)

1. GENERAL (Cont'd)

22.3 Collocator Responsibilities (Cont'd)

The Collocator will provide, at its expense, replacements for any recalled, obsolete, defective or damaged facilities, equipment, plug-ins, circuit packs, unique tools, test equipment, or any other item or material provided by the Collocator for placement in/on Ameritech property. Suitable replacements are to be immediately provided to Ameritech to restore equipment.

The Collocator will provide at least the minimum number of usable equipment spares specified by the manufacturer. Replacements must be delivered to the Ameritech central office using the equipment spare within five (5) days of notification that a spare was used or tested defective.

22.4 Cooperative Responsibilities

Ameritech will work cooperatively with the Collocator to develop implementation plans including timelines associated with:

- Placement of Collocator's fiber into the central office vault,
- Location and completion of all splicing,
- Completion of installation of equipment and facilities,
- Removal of above facilities and equipment,
- To the extent known, the Collocator can provide forecasted information to Ameritech on anticipated additional Virtual Collocation requirements,
- To the extent known, the Collocator is encouraged to provide Ameritech with a listing of the equipment types that they plan to virtually collocate in Ameritech central offices. This cooperative effort will insure that Ameritech personnel are properly trained on Collocator equipment.

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2. VIRTUAL COLLOCATION (CONT'D)

1. GENERAL (Cont'd)

22.5 Installation of Virtual Collocation Equipment

Ameritech does not assume any responsibility for the design, engineering, testing, or performance of the end-to-end connection of the Collocator's equipment, arrangement, or facilities.

Ameritech will be responsible for using the same engineering practices as it does for its own similar equipment in determining the placement of equipment and engineering routes for all connecting cabling between collocation equipment.

The Collocator will have the authority to select installation vendors. All installations of equipment will be in accordance with the Collocator-provided installation design and must comply with manufacturer's specifications and applicable published national standards approved by the FCC, and other governmental authorities that have jurisdiction.

The Collocator and Ameritech must jointly accept the installation of the equipment and facilities prior to the installation of any services using the equipment. As part of this acceptance, Ameritech will cooperatively test the collocated equipment and facilities with the Collocator.

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2. VIRTUAL COLLOCATION (CONT'D)

1. GENERAL (Cont'd)

22.6 Equipment Provisioning

The Collocator will arrange to deliver to the Ameritech central office where the equipment is located a reasonable number, as recommended by the manufacturer, of all appropriate plug-ins, circuit packs and cards and any other equipment, plus all necessary circuit design and provisioning information on an agreed-upon date which is no later than two (2) business days prior to the scheduled turn-up of the Collocator's equipment.

For the disconnection of circuits, the Collocator will provide all circuit information no later than two (2) business days prior to the scheduled disconnection of the Collocator's circuit.

Ameritech does not assume any responsibility for the design, engineering, testing, or performance of the end-to-end connection of the Collocator's circuits.

22.7 Repair of Equipment

Except in emergency situations, the Collocator-owned fiber optic facilities and central office terminating equipment will be repaired only upon the request of the customer. In an emergency, Ameritech may perform necessary repairs without prior notification. The labor rates specified in Section 22.13.2(Q) that apply to Ameritech central offices are applicable for all repairs performed by Ameritech on the Collocator's facilities and equipment.

When initiating repair requests on Collocator owned equipment, the Collocator must provide Ameritech with the location and identification of the equipment and a detailed description of the trouble.

Upon notification by the Collocator and availability of spare parts as provided by the Collocator, Ameritech will be responsible for repairing the Virtually Collocated equipment at the same standards that it repairs its own equipment.

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2. VIRTUAL COLLOCATION (CONT'D)

1. GENERAL (Cont'd)

22.8 Maintenance of Equipment

The Collocator will request any and all maintenance by Ameritech on its Virtually Collocated facilities or equipment. When initiating requests for maintenance on collocated equipment, the Collocator must provide Ameritech with the location and identification of the equipment and a detailed description of the maintenance requested.

Upon notification by the Collocator and availability of spare parts as provided by the Collocator, Ameritech will be responsible for maintaining the Virtually Collocated equipment at the same standards that it maintains its own equipment.

22.9 Alarm Collection

The Collocator has the ability to purchase its own remote monitoring and alarming equipment. If the Collocator prefers Ameritech to perform this function, it may elect to provision this arrangement under Ameritech's Access Service Tariff. If the Collocator purchases this equipment, it must be identical to equipment specified in Section 25.5.1 of Ameritech's Access Service Tariff.

Since the maintenance of the Collocator's equipment is at the direction and control of the Collocator, Ameritech will not be responsible for responding to alarms and will only conduct maintenance and repair activities at the direction of the Collocator.

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2. VIRTUAL COLLOCATION (CONT'D)

1. GENERAL (Cont'd)

22.10 Termination of Virtual Collocation

Upon termination of the Virtual Collocation arrangement, the Collocator will work cooperatively with Ameritech to remove the Collocator's equipment and facilities from Ameritech property subject to the condition that the removal of such equipment can be accomplished without damaging or endangering other equipment located in the central office. Ameritech is not responsible for and will not guarantee the condition of such equipment. The Collocator is responsible for arranging for and paying for the removal of virtually collocated equipment including all costs associated with equipment removal, packing and shipping. Arrangements for and the removal of the Collocator virtually collocated equipment must be made within 30 business days after termination of the virtual collocation arrangement, unless a different time period is mutually agreed upon. Ameritech shall be responsible for exercising reasonable caution when removing virtually collocated equipment. Ameritech will only be responsible for damage done to such equipment caused by gross negligence on the part of Ameritech or its contractors during the removal process. However, Collocators will indemnify and hold Ameritech harmless for any damage done to virtually collocated equipment if Ameritech permits the Collocator to hire an Ameritech approved contractor to remove virtually collocated equipment. Any equipment not removed in this time frame may be removed by Ameritech and stored in a non-Ameritech location, at the expense of the Collocator.

Upon termination of the Virtual Collocation, the Collocator must remove the fiber entrance cable used for the Virtual Collocation. If the entrance cable is not scheduled for removal within seven (7) days, Ameritech may arrange for the removal, and the Collocator will be responsible for any charges incurred to remove the cable. Ameritech and the Collocator will cooperatively manage the removal process. The Collocator is only responsible for physically removing entrance cables housed in conduits or inner-ducts and will only be required to do so when Ameritech instructs the Collocator that such removal can be accomplished without damaging or endangering other cables contained in a common duct or other equipment residing in the central office.

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2. VIRTUAL COLLOCATION (CONT'D)

1. GENERAL (Cont'd)

22.11 Unused Section

22.12 Dispute Resolution Process for Revisions or Implementation of Technical Publications

Disputes that cannot be resolved by the parties regarding revisions to or implementation of Ameritech technical publications that apply to virtual collocation arrangements will be resolved by use of (1) mediation, (2) any dispute resolution process promulgated by the Commission, or (3) any other method mutually agreed to by the parties. Either party may use any of these options to obtain a resolution of the dispute.

22.13 Rate Regulations

This section contains specific regulations governing the rates and charges that apply to Virtual Collocation for the purpose of interconnecting to Ameritech and for Access to Ameritech provided UNEs when the Collocator provides the equipment.

There are two types of rates and charges that apply to the various rate elements for Virtual Collocation for interconnecting to Ameritech and for Access to Ameritech provided UNEs. These are non-recurring charges and monthly recurring rates.

Rates and charges specific to Virtual Collocation for interconnection with Ameritech for the transmission and routing of telephone exchange service and exchange access, and for access to Ameritech provided UNEs in Ameritech Central Offices are set forth in 22.13.2 (Rates and Charges for Ameritech Central Offices).

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2. VIRTUAL COLLOCATION (CONT'D)

1. GENERAL (Cont'd)

22.13 Rate Regulations (Cont'd)

22.13.1 Rate Elements for Ameritech Central Offices

Consistent with provisions in Section 22.1.1, the following provides a list of the specific rate elements for virtual collocation for interconnection with Ameritech for the transmission and routing of telephone exchange service and exchange access, and for access to Ameritech provided UNEs to be used in conjunction with virtual collocation in Ameritech Central Offices.

(A) Planning

This fee recovers Ameritech costs incurred to estimate the quotation of charges for the Collocator's request for a virtual collocation arrangement. The Planning fee also provides for Ameritech personnel to survey each requested location for availability of space for the placement of entrance cables as well as to determine floor space to physically place Collocator-designated equipment expressed as a non-recurring charge. The Planning fee is applied on an initial and subsequent basis. The initial charge will apply to the Collocator's request for a virtual collocation arrangement or the addition of cable. The subsequent charge will apply to any additional interconnection arrangements. Charges for this sub-element are specified in 22.13.2(A).

Upon acceptance of the Ameritech estimate by the Collocator, this fee also provides for project management costs incurred by Ameritech expressed as a non-recurring charge. These include Ameritech engineering which is the detail engineering changes for Ameritech engineers to prepare the Central Office for Virtual Collocation. The subsequent charge will apply to any additional interconnection arrangements. Charges for this sub-element are specified in 22.13.2(A).

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2. VIRTUAL COLLOCATION (CONT'D)

1. GENERAL (Cont'd)

22.13 Rate Regulations (Cont'd)

22.13.1 Rate Elements for Ameritech Central Offices (Cont'd)

(B) Land and Building

This sub-element provides for the "occupancy" cost per ¼ bay framework associated with using the floor space in Ameritech central offices expressed as a monthly rate. Charges for this sub-element are specified in 22.13.2(B).

(C) Relay Rack

This sub-element provides the "occupancy" cost per ¼ rack associated with using relay rack space in Ameritech's central offices expressed as a monthly rate. Charges for this sub-element are specified in 22.13.2(C).

(D) HVAC

This sub-element provides the cost for the HVAC system used to dissipate heat generated by the DC Power Consumption on a per 10 DC Amp basis. Charges for this sub-element are specified in 22.13.2(D).

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2. VIRTUAL COLLOCATION (CONT'D)

1. GENERAL (Cont'd)

22.13 Rate Regulations (Cont'd)

22.13.1 Rate Elements for Ameritech Central Offices (Cont'd)

(E) Entrance Fiber

This sub-element provides for Ameritech pulling and splicing fiber cable between the manhole and cable vault, and the subsequent routing of fiber riser cable between the cable vault and FDF. (Note: Virtually Collocated Equipment may also be connected to dedicated transport facilities provided as Unbundled Network Elements in lieu the entrance fiber. When Virtually Collocated Equipment is connected to dedicated transport facilities in lieu of the entrance fiber, the terms, conditions and charges for such dedicated transport facilities are pursuant to the Collocator/Ameritech Interconnection Agreement. No recurring or non-recurring charges for dedicated transport facilities provided as used are applicable pursuant to this Tariff).

(F) Power Delivery

This sub-element only accounts for the cost of the overhead racking necessary to support the power cables for the virtually collocated equipment. The collocator is responsible for provisioning the cable between the Battery Distribution Fuse Bay ("BDFB") and the equipment as part of the installation of the equipment by an authorized contractor.

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2. VIRTUAL COLLOCATION (CONT'D)

1. GENERAL (Cont'd)

22.13 Rate Regulations (Cont'd)

22.13.1 Rate Elements for Ameritech Central Offices (Cont'd)

(G) Power Consumption

(1) DC Power Per Amp

The DC power charge consists of use of the DC power system, with AC input and AC backup for up to a 50 AMP (redundant) feeder power circuit expressed as a monthly rate. Charges for this sub-element are specified in 22.13.2(G)(1).

(2) AC Power Per Amp

This sub-element provides for the monthly rate for AC Power Usage to provide redundant DC power to the virtually collocated equipment. Charges for this sub-element are specified in 22.13.2(G)(2).

(H) Voice Grade Interconnection Arrangement

This sub-element provides for the cost associated with providing 100 voice grade pairs between the Ameritech Distributing Frame and the virtually collocated equipment expressed as a combination of a non-recurring charge and a monthly rate. Charges for this sub-element are specified in 22.13.2(H).

(I) DS-1 Interconnection Arrangement to DCS

This sub-element provides for the cost associated with providing 28 DS-1 circuits between Ameritech's DCS functionality purchased from the Collocators interconnection agreement and the virtually collocated equipment expressed as a combination of a non-recurring charge and a monthly rate. Charges for this sub-element are specified in 22.13.2(I). This includes the DS1-Port connecting to the virtual collocation arrangement.

2. VIRTUAL COLLOCATION (CONT'D)

1. GENERAL (Cont'd)

22.13 Rate Regulations (Cont'd)

22.13.1 Rate Elements for Ameritech Central Offices (Cont'd)

(J) DS-1 Interconnection Arrangement to DSX

This sub-element provides for the cost associated with providing 28 DS-1 circuits between Ameritech's DSX functionality purchased from the Collocators interconnection agreement and the virtually collocated equipment expressed as a combination of a non-recurring charge and a monthly rate. Charges for this sub-element are specified in 22.13.2(J).

(K) DS-3 Interconnection Arrangement to DCS

This sub-element provides for the cost associated with providing one DS-3 circuit between Ameritech's DCS functionality purchased from the Collocators interconnection agreement and the virtually collocated equipment expressed as a combination of a non-recurring charge and a monthly rate. Charges for this sub-element are specified in 22.13.2(K).

(L) DS-3 Interconnection Arrangement to DSX

This sub-element provides for the cost associated with providing one DS-3 circuit between Ameritech's DSX functionality purchased from the Collocators interconnection agreement and the virtually collocated equipment expressed as a combination of a non-recurring charge and a monthly rate. Charges for this sub-element are specified in 22.13.2(L).

(M) Fiber Interconnection Arrangement

This sub-element provides for the cost associated with providing 12 fibers between Ameritech's FDF and the virtually collocated equipment expressed as a combination of a non-recurring charge and a monthly rate. Charges for this sub-element are specified in 22.13.2(M).

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2. VIRTUAL COLLOCATION (CONT'D)

1. GENERAL (Cont'd)

22.13 Rate Regulations (Cont'd)

22.13.1 Rate Elements for Ameritech Central Offices (Cont'd)

(N) Collocation-to-Collocation Connection

This rate element includes virtual to virtual and virtual to physical connection options.

(1) Fiber Cable

This sub-element provides for direct cabling using fiber cable (12 fibers) between two collocation arrangements at an Eligible Structure. This sub-element is expressed as a combination of a non-recurring charge and a monthly rate and these charges are specified in 22.13.2(N)(1).

(2) DS1 Cable (28 DS1s)

This sub-element provides for direct cabling using copper cable (28 DS1s) between two collocation arrangements at an Eligible Structure. This sub-element is expressed as a combination of a non-recurring charge and a monthly rate and these charges are specified in 22.13.2(N)(2).

(3) DS3 Cable (1 DS3)

This sub-element provides for direct cabling using coaxial cable (1 DS3) between two collocation arrangements at an Eligible Structure. This sub-element is expressed as a combination of a non-recurring charge and a monthly rate and these charges are specified in 22.13.2(N)(3).

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PART 23 - Interconnection Service for Local
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2. VIRTUAL COLLOCATION (CONT'D)

1. GENERAL (Cont'd)

22.13 Rate Regulations (Cont'd)

22.13.1 Rate Elements for Ameritech Central Offices (Cont'd)

(0) Equipment Maintenance and Security Escort

This rate element is a labor rate charged by Ameritech to the Collocator for ongoing maintenance of and security escorts to the Collocator's equipment. Any maintenance requirements will be initiated by the Collocator. Labor rates are based upon a 1/4 hour basis and are dependent upon day of week and time of day. For purposes of this Tariff, normal week day is defined as 8:00 a.m. through 5:00 p.m., Monday through Friday, excluding holidays. Non-recurring charges for this sub-element are specified in 22.13.2(0).

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2. VIRTUAL COLLOCATION (CONT'D)

1. GENERAL (Cont'd)

22.13 Rate Regulations (Cont'd)

22.13.2 Rates and Charges

	<u>Rate Per</u> <u>Month</u>	<u>Non-recurring</u> <u>Charge</u>
(A) <u>Planning</u>		
- Initial	\$ 0.00	\$ 4,830.40
- Subsequent/Cable Only	0.00	1,463.76
(B) <u>Land and Building</u> (Per ¼ Bay Framework)	11.24	0.00
(C) <u>Relay Rack</u> (Per ¼ Rack)	2.61	0.00
(D) <u>HVAC</u> (Per 10 Amps of DC Power Consumption)	5.92	0.00
(E) <u>Entrance Fiber</u> (Per Cable)	14.97	1,420.97
(F) <u>Power Delivery</u>	0.08	0.00
(G) <u>Power Consumption</u>		
(1) DC Power Per AMP	6.34	0.00
(2) AC Power Per AMP	3.70	0.00
(H) <u>Voice Grade Interconnection Arrangement</u> (Per 100 Pairs)	6.36	865.95
(I) <u>DS-1 Interconnection Arrangement to DCS</u> (Per 28 DS1s)	290.62	1,314.96
(J) <u>DS-1 Interconnection Arrangement to DSX</u> (Per 28 DS1s)	14.30	1,314.96
(K) <u>DS3 Interconnection Arrangement to DCS</u> (Per DS3)	72.84	336.02

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PART 23 - Interconnection Service for Local
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1st Revised Sheet No. 118
Cancels
Original Sheet No. 118

1. PHYSICAL COLLOCATION (SERVICES AND RATES) (cont'd)

1. GENERAL (cont'd)

22.13 Rate Regulations (cont'd)

22.13.2 Rates and Charges

Description	Monthly Rate	Nonrecurring Charge
(L) DS3 Interconnection Arrangement to DSX (Per DS3)	\$12.53	\$ 336.02
(M) Fiber Interconnection Arrangement (Per 12 Fiber Cable) 2,106.69	8.12	2,106.69
(N) Collocation-to-Collocation Connection		
1. Fiber Cable (Per 12 Fiber Cable)	0.24	829.91
2. DS1 Cable (Per 28 DS1s)	0.19	518.1
3. DS3 Cable (Per DS3)	0.19	132.37
(O) Equipment Maintenance and Security Escort		
1. Equipment Maintenance		
- Normal Business Day per ¼ Hour	0.00	15.99
- Non-Normal Business Day - Initial	0.00	255.88(R)
- Non-Normal Business Day - ¼ Hour	0.00	15.99
2. Security Escort		
- Normal Business Day per ¼ Hour	0.00	13.50
- Non-Normal Business Day - Initial	0.00	216.00
- Non-Normal Business Day - ¼ Hour	0.00	13.50

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PART 23 - Interconnection Service for Local
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SECTION 4 - Collocation Services

Original Sheet No. 119

3. AMERITECH CROSS-CONNECTION SERVICE (ACCS)

A. DESCRIPTION

Ameritech Cross-Connection Service (ACCS) provides for the connection of Carrier provided Voice Grade, 0 to 75 baud, 0 to 150 baud, 300 - 3,000 Hz, 2.4 Kbps, 4.8 Kbps, 9.6 Kbps, 19.2 Kbps, 56.0 Kbps, 64.0 Kbps, 1.544 Mbps, 44.736 Mbps, 155.52 Mbps, 622.08 Mbps, and 2488.32 Mbps channels to the following Company services:

- Switched Access services and/or Special Access services under the provisions of F.C.C. No. 2,
- Unbundled Loops under the provisions of M.P.S.C. No. 20R, Part 19, Section 2,
- Unbundled Local Switching under the provisions of M.P.S.C. No. 20R, Part 19, Section 3,
- Service Provider Number Portability under the provisions of M.P.S.C. No. 20R, Part 19, Section 6,
- Ameritech End Office Integration Service under the provisions of M.P.S.C. No. 20R, Part 23, Section 2,
- Tandem Switching service under the provision of M.P.S.C. No. 20R, Part 19, Section 5,
- Unbundled Interoffice Transport under the provision of M.P.S.C. No. 20R, Part 19, Section 12.

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PART 23 - Interconnection Service for Local
Exchange Telecommunications Carriers
SECTION 4 - Collocation Services

Original Sheet No. 120

3. AMERITECH CROSS-CONNECTION SERVICE (ACCS) (cont'd)

B. TERMS AND CONDITIONS

Ameritech Cross-Connection Service (ACCS) is provided under the same terms and conditions as Ameritech Cross-Connection Service for Interconnection (ACCSI) (Ameritech Operating Companies Tariff F.C.C. No. 2, Section 16.4).

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SECTION 4 - Collocation Services

1st Revised Sheet No. 121
Cancels
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3. AMERITECH CROSS-CONNECTION SERVICE (ACCS) (cont'd)

C. PRICES

Description /Billing Code/	Recurring Charge	Non- recurring Charge
2-Wire Cross-Connect /CXCT2/	\$ 0.13	-
4-Wire Cross-Connect /CXCT4/	0.25	-
6-Wire Cross-Connect /CXCT6/	0.38	-
8-Wire Cross-Connect /CXCT8/	0.50	-
DS1/LT1 Cross-Connect /CXCDX/	.27	-
DS3/LT3 Cross-Connect /CXCEX/	1.15	-
OC-n Cross-Connect	0.88	-

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**AMENDMENT
SUPERSEDING CERTAIN RECIPROCAL COMPENSATION,
INTERCONNECTION AND TRUNKING TERMS**

This Amendment Superseding Certain Reciprocal Compensation, Interconnection and Trunking Terms (Amendment) is applicable to this and any future Interconnection Agreement between Illinois Bell Telephone Company, Indiana Bell Telephone Company Incorporated, Michigan Bell Telephone Company, The Ohio Bell Telephone Company, Wisconsin Bell Inc. d/b/a Ameritech Wisconsin, Nevada Bell Telephone Company, Pacific Bell Telephone Company, The Southern New England Telephone Company, and Southwestern Bell Telephone Company and any of its future affiliates or subsidiaries which are the Incumbent Local Exchange Carrier (hereinafter "ILEC") and Brooks Fiber Communications of Arkansas, Inc., Brooks Fiber Communications of Bakersfield, Inc., Brooks Fiber Communications of Connecticut, Inc., Brooks Fiber Communications of Fresno, Inc., Brooks Fiber Communications of Michigan, Inc., Brooks Fiber Communications of Missouri, Inc., Brooks Fiber Communications of Nevada, Inc., Brooks Fiber Communications of Ohio, Inc., Brooks Fiber Communications of Oklahoma, Inc., Brooks Fiber Communications of Sacramento, Inc., Brooks Fiber Communications of San Jose, Inc., Brooks Fiber Communications of Stockton, Inc., Brooks Fiber Communications of Texas, Inc., Brooks Fiber Communications of Tulsa, Inc.; MCImetro Access Transmission Services LLC, f/n/a MCImetro Access Transmission Services, Inc. or MCI Access Transmission Services, Inc. or MCImetro ATS, Inc.; MCI WORLDCOM Communications, Inc., f/k/a MFS Communications Company, Inc. or MFS Intelenet of Connecticut, Inc. or WorldCom Technologies, Inc. or MCI WorldCom Technologies, Inc., and any of its future affiliates or subsidiaries which are a Certified Local Exchange Carrier (hereinafter "CLEC") in: California, Nevada, Texas, Missouri, Oklahoma, Kansas, Arkansas, Illinois, Wisconsin, Michigan, Indiana, Ohio, or Connecticut through May 31, 2004, whether negotiated, arbitrated, or arrived at through the exercise of Section 252 (i) "Most Favored Nation" (MFN) rights. ILEC and CLEC may be referred to individually as "Party" or collectively as the "Parties".

WHEREAS, ILEC and CLEC entered into an interconnection agreement pursuant to Sections 251 and 252 of the Communications Act of 1934, as amended (the "Act") that was approved by the state commission (the "ICA"); and

WHEREAS, for the states of California, Nevada, Texas, Missouri, Oklahoma, Kansas, Arkansas, Illinois, Wisconsin, Michigan, Indiana, Ohio or Connecticut the Parties wish to amend, modify and supersede certain compensation, interconnection and trunking provisions of the ICAs that are addressed in this Amendment and also incorporate the terms of this Amendment in future interconnection agreements between the Parties in such states through May 31, 2004.

NOW, THEREFORE, for and in consideration of the premises, mutual promises and covenants contained in this Amendment, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties agree as follows:

1. The Parties agree that this Amendment will act to supersede, amend and modify the applicable provisions currently contained in this ICA. This Amendment shall also be

that are subject to this Amendment. The Parties specifically acknowledge their awareness of various pending regulatory actions which may affect the nature of reciprocal compensation and treatment of internet service provider (ISP) traffic and other compensable traffic for compensation purposes. Each Party specifically acknowledges that this Amendment is intended to be a binding agreement, without regard to the standards set forth in subsections (b) and (c) of Section 251, made pursuant to Section 252 (a)(1) of the Act, and each Party further acknowledges that this Amendment is intended to and shall remain unaffected by and survive whatever regulatory, legislative or judicial results or orders, including, without limitation, the Federal Communications Commission's Order on Remand and Report and Order, In the Matter of Implementation of the Local Competition Provisions in the Telecommunications Act of 1996, Intercarrier Compensation for ISP-Bound Traffic, FCC 01-131, CC Docket Nos. 96-98, 99-68 (rel. April 27, 2001), may occur during its term regarding such compensation. In consideration of the additional covenants herein and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, both Parties covenant not to sue or arbitrate to enforce or interpret any subsequent rulings of any regulatory, legislative or judicial body against a Party to this Amendment in contravention of the terms and conditions herein, during its term.. The Parties agree, however that the provisions of this Section 3. do not apply to state PUC required changes in the geographic scope or definition of local calling areas. Where the local calling scope has changed as a result of state PUC action, either Party may exercise the right to renegotiate the number and location of POIs required under this Amendment.

4. POI Requirements:

- 4.1. In order to qualify for receipt of the reciprocal compensation at the rates provided in the Rate Schedule, attached hereto and made a part hereof as Exhibit A, CLEC must achieve and maintain the minimum points of interconnection and trunk engineering guidelines set forth in Sections 4. through 6. of this Amendment.
- 4.2. Compliance with the provisions of this Amendment shall be on a local calling area by local calling area basis, which means that CLEC's eligibility to receive reciprocal compensation shall not be restricted except for the particular local calling area for the same period during which it is not in compliance with Sections 4. through 6. of this Amendment.
- 4.3. CLEC will exert commercially reasonable efforts in each ILEC state to establish a physical POI in each mandatory local calling area in which it has listed telephone numbers (NPA/NXXs) in the Local Exchange Routing Guide (LERG) or from where CLEC ports telephone numbers listed in the LERG by other local exchange carriers (including ILEC companies).
 - 4.3.1. In California, Nevada, Connecticut, Michigan, Ohio, Indiana, Illinois and Wisconsin , the Parties agree that Section 4. is satisfied, as to all subtending end offices and rate centers in which CLEC has established a dialable telephone number local to the rate center or ports any number

established by other local exchange carriers (including ILEC companies), if a physical POI is established at the appropriate local or access tandem serving, or at any mutually agreed end office within, the rate center.

4.3.2. In Arkansas, Missouri, Kansas, Oklahoma and Texas , the Parties agree that Section 4. is satisfied, as to all sub-tending end offices and rate centers where CLEC has established a dialable telephone number local to the rate center or ports any number established by other local exchange carriers (including ILEC companies), if a physical POI is established at the appropriate tandem, if applicable, or any mutually agreed end office within, the local exchange area.

4.4. When establishing a POI required under Section 4. of this Amendment, the Parties agree:

4.4.1. CLEC may utilize existing interconnection arrangements at existing POIs, including the mid-span fiber meet architecture in service or being currently jointly planned; or

4.4.2. CLEC may utilize its collocation facilities in end offices or local tandems within the local calling area or tandem serving area, including, but not limited to fiber cable handoffs. Where CLEC has spare fiber cable in an existing collocation space, CLEC may establish interconnection by terminating such fiber cable to an ILEC fiber optic terminal (FOT). This fiber cable handoff from CLEC's collocation facility to an ILEC FOT shall be in accordance with the applicable collocation provisions in the ICA, interconnection agreement or state tariff. If there are no provisions in the ICA, interconnection agreement or state tariff, then the fiber cable hand-off will be as mutually agreed upon by the Parties; or

4.4.3. CLEC may utilize new, mutually agreed upon, mid-span fiber meets, where CLEC will connect to the ILEC FOT by providing fiber cable at the last entrance (or agreed upon) manhole outside of the tandem, or at the last entrance (or agreed upon) manhole outside of an end office in the rate center where the Parties agree to interconnection at an end office; or

4.4.4. CLEC may utilize its existing facilities or the existing facilities of CLEC's interexchange carrier affiliate(s) (IXC), at the serving wire center locations where CLEC or its IXC have a facilities presence for switched and/or dedicated access traffic; or

4.4.5. CLEC may by purchase Special Access or switched dedicated access transport facilities and services from ILEC as provided for in Section 4.8; or

4.4.6. CLEC may utilize the transport facilities from a third party; or

4.4.7. CLEC may utilize any other arrangement that the Parties may agree meets the requirements of Section 4.

- 4.5. When establishing a POI required by Section 4, ILEC will allow CLEC to establish local interconnection trunk groups to transport local or intraLATA traffic utilizing the facilities of any of CLEC's multiple CLEC affiliates; provided, however, that each CLEC affiliate's traffic will be assigned a separate trunk group on the facility. ILEC will also allow CLEC to establish local interconnection trunk groups to transport local and intraLATA traffic utilizing the access facilities of CLEC's IXC affiliate(s); provided, however, that each CLEC affiliate's traffic will be assigned a separate trunk group and CLEC may not combine local interconnection and inter-exchange access traffic over the same trunk group on the IXC facility.
- 4.6. Where CLEC and ILEC have an existing interconnection architecture that meets the POI requirements described above, this existing interconnection architecture cannot be changed without the mutual agreement of both Parties; provided, however, nothing herein shall prevent CLEC from eliminating or decommissioning a POI at its option.
- 4.7. When a new POI is established under Section 4, ILEC shall be responsible for the provisioning and cost of facilities on its side of the POI and CLEC shall be responsible for the provisioning and cost of facilities from its side of the POI back to the CLEC facilities and network.
- 4.8. When CLEC establishes a POI by purchasing Special Access facilities and services or switched dedicated access transport facilities and services from ILEC, these facilities shall be considered available for local interconnection trunks; provided, however, that CLEC shall be responsible for the ordering and cost. CLEC may purchase these facilities and services out of the ILEC's intrastate access tariffs or interstate access tariffs, access contracts or other access pricing plans as authorized by the FCC. Except as provided in Section 4.8.1 below, CLEC will submit orders to the applicable ILEC Access Service Center (ASC) and the orders will be governed by the ordering and provisioning terms of the applicable FCC Access tariff.
- 4.8.1. Where CLEC establishes a new POI by purchasing Special Access facilities from ILEC, the Parties agree that where facilities exist between the new POI to be established and an existing CLEC POI, the new POI may be established as a "Billing POI" by utilizing existing facilities without physically moving trunks onto a newly established dedicated facility. When establishing such a "Billing POI", the CLEC will issue an order to the applicable ILEC ASC for its use of bandwidth on the existing facility, if the facilities were to be installed. In this manner, the Parties

agree that new facilities need not be physically established and any ordering and installation and engineering charges shall not apply.

4.8.2. The Parties reserve their rights to challenge in any manner the rates, terms and conditions upon which the dedicated services or facilities referred to in this Section 4.6 are provided by ILEC, including but not limited to challenges pursuant to the dispute resolution provisions of the applicable ICA or interconnection agreement, regardless of the time limits contained therein.

4.9. CLEC will have a transition period of six months from the Effective Date of this Amendment to establish the new POIs required by Section 4. and achieve the Direct End Office Trunk (DEOT) criteria identified in Section 6.4 below, unless the Parties otherwise agree to a different date. At the end of this six month transition period, if CLEC has not established a physical POI or achieved the DEOT criteria, CLEC shall not be entitled to receive reciprocal compensation for calls from that local calling area. During this six month transition period, CLEC will not be subject to the charges for the facilities described in Section 4.8.

5. During the term of this Amendment, CLEC may order and ILEC will provide, where facilities are available, sufficient dedicated services or facilities as referenced in Section 4.8 to the nearest existing CLEC POI in the Local Access and Transport Area (LATA). ILEC will choose the most efficient facility route to deliver these dedicated services or facilities to the CLEC POI. These dedicated services and facilities will be provided for the purpose of establishing trunking consistent with the traffic engineering guidelines contained in the existing ICA or interconnection agreement. Trunking services or facilities will be established prior to exchanging live traffic and the Parties agree to abide by the trunk engineering/administration guidelines as stated in the ICA or interconnection agreement.

6. When interconnecting at ILEC's digital End Offices, the Parties have a preference for use of B8ZS ESF two-way trunks for all traffic between their networks. Where available, such trunk equipment will be used for these Local Interconnection Trunk Groups. Where AMI trunks are used, either Party may request upgrade to B8ZS ESF when such equipment is available.

7. The Parties shall establish direct End Office primary high usage Local Interconnection trunk groups when end office traffic (actual or forecasted) requires twenty-four (24) or more trunks for the exchange of IntraLATA Toll and Local traffic. These trunk groups will be two-way and will utilize Signaling System 7 ("SS7") signaling or MF protocol where required.

7.1. The Parties will exert commercially reasonable efforts to achieve and maintain a network architecture within a tandem serving area such that the DEOT does not fall below 70% of the total number of trunks the CLEC has in service in the tandem serving areas for two consecutive months. To determine the 70%

threshold, the total number of DEOTs will be divided by the total number of trunks CLEC has in use in the tandem serving area that CLEC has interconnection into. ILEC will be responsible for the costs and provisioning of the DEOTs to the POI and CLEC shall be responsible for making facility assignments at the POI for the DEOTs to be connected to CLEC's transport facilities from the POI back to CLEC's network. If, upon request by ILEC, CLEC does not make the appropriate facility assignments which causes the DEOT to fall below 70% of the total number of trunks the CLEC has in service in the tandem serving areas, ILEC shall be entitled to withhold reciprocal compensation from the particular local calling area. Where the traffic in the tandem serving area does not exceed 144 trunks to justify DEOT at the 70% level, this paragraph shall not apply in such tandem serving area. Where the traffic does exceed 144 trunks to justify DEOT at the 70% level, this paragraph applies to all trunks in that tandem serving area.

8. Under no circumstances will, CLEC be penalized for non-compliance with the POI and DEOT criteria during the six (6) month transition period in Section 4.9, or any time thereafter, if such non-compliance results from ILEC's failure to perform required network administration activities (including provisioning, activation, and translations).
9. The Parties recognize that embedded one-way trunks exist for Local/IntraLATA toll traffic via end point meet facilities. The Parties agree the existing architecture may remain in place and be augmented for growth as needed. The Parties may subsequently agree to negotiate a transition plan to migrate the embedded one-way trunks to two-way trunks via a mid-span fiber meet architecture as described in Appendix NIM or Network of the applicable ICA or interconnection agreement or, the SBC-13 STATE Generic Agreement if an Appendix NIM or Network, or a similarly named network appendix, is not contained in said ICA or interconnection agreement. The Parties will coordinate any such migration, trunk group prioritization, and implementation schedule. ILEC agrees to develop a cutover plan and project manage the cutovers with CLEC participation and agreement.
10. When establishing a new POI in an Existing Local Calling Area, CLEC will notify its ILEC Account Manager of its intention to establish a new POI in an existing local calling area 90 days prior to the end of the six month transition period by letter to the ILEC Account Manager for CLEC. This 90 day notice is intended to give both Parties adequate time to plan, issue orders, and implement the orders in the 6 month transition period.
11. When establishing a POI in a New Local Calling Area, CLEC will notify its ILEC Account Manager 90 days prior to the LERG effective date for the new NPA-NXXs it wishes to activate. Joint planning meetings for the new POI will be held within 10 days of ILEC's receipt of such notification. The outcome of the joint planning meeting will be orders for facilities and trunks for the new POI.
12. Upon expiration of this Amendment, CLEC and ILEC agree to evaluate whether to add or eliminate POIs to create an effective post-Amendment architecture. Both Parties will cooperate in adding or eliminating POIs so long as they are consistent with the then

effective ICA or interconnection agreement concerning interconnection between the Parties.

13. Classifications of Traffic:

- 13.1. Intercarrier traffic includes local and transited traffic, intraLATA toll and optional Extended Area Service (EAS) traffic (where applicable) as well as traffic that originates on the network of one Party and connects to an Internet Service Provider (ISP) on the other Party's network
- 13.2. If CLEC designates different points for rating and routing such that traffic that originates in one rate center is carried by ILEC to a routing point designated by CLEC in a rate center that is not local to the calling party even though the called NXX is local to the calling party, such traffic, referred to as Virtual Foreign Exchange (Virtual FX) traffic, shall be rated in reference to the rate centers associated with the NXX prefixes of the calling and called parties' numbers, and treated as Local traffic for purposes of compensation.
- 13.3. InterLATA toll and EXC carried intraLATA toll are subject to Meet Point Billing as outlined in the ICA or interconnection agreement and applicable tariffs.
- 13.4. The rates for the termination of intraLATA toll and Originating 8YY traffic are governed by the Parties' switched access tariffs.
- 13.5. Compensation for SWBT-transited minutes of use (MOU) will be governed by the ICAs and interconnection agreement.

14. Total Compensable Local Traffic for Purposes of This Amendment:

- 14.1 Local, Mandatory Local and Optional EAS traffic eligible for reciprocal compensation will be combined with traffic terminated to ISPs to determine Total Compensable Local Traffic and the balance of traffic between the Parties.
- 14.2 IntraLATA toll and transited MOU will be excluded from these calculations.
 - 14.2.1. Subject to applicable confidentiality guidelines, ILEC and CLEC will cooperate to identify transiting traffic; originators of such transiting traffic; and information useful for settlement purposes with such transit traffic originators.
 - 14.2.2. ILEC and CLEC agree to explore additional options for management and accounting of transit traffic, including, but not limited to the exchange of additional signaling/call-related information in addition to Calling Party Number.

14.2.3. The Parties agree to explore additional options for management and accounting of the jurisdictional nature of traffic exchanged between their networks.

15. Rate Structure and Rate Levels:

15.1. The compensation structure and rates set forth in Exhibit A, hereto, shall be effective February 1, 2001 through May 31, 2003, and shall apply symmetrically for traffic terminated on either Party's network.

15.2. Treatment of In-Balance traffic:

15.2.1. Compensable Local Traffic volume each month below a terminating/originating ratio of 3:1 will be compensated at an In Balance Traffic blended rate as specified in Exhibit A, hereto.

15.3. Treatment of Out-of-Balance traffic:

15.3.1. Compensable Local Traffic volume each month exceeding a terminating/originating ratio of 3:1 is considered Out of Balance traffic and will be compensated at an Out of Balance Traffic blended rate as specified in Exhibit A, hereto.

15.4. Beginning June 1, 2003, and running through May 31, 2004, the compensation structure and rates set forth in Exhibit A, shall continue to apply symmetrically for traffic terminated on either Party's network, but the distinction between In-Balance and Out-of-Balance traffic shall not apply. During the period June 1, 2003 through May 31, 2004, Total Compensable Local Traffic as defined herein will be exchanged in all states at the rate of \$.0005 per MOU, regardless of the balance of traffic between the networks.

16. Reservation of Rights:

16.1. The Parties reserve the right to raise the appropriate treatment of Voice Over Internet Protocol (VOIP) traffic under the Dispute Resolution provisions of this ICA or any future interconnection agreements between the Parties through May 31, 2004. The Parties further agree that this Amendment shall not be construed against either Party as a "meeting of the minds" that VOIP traffic is or is not local traffic subject to reciprocal compensation. By entering into the Amendment, both Parties reserve the right to advocate their respective positions before state or federal commissions whether in bilateral complaint dockets, arbitrations under Sec. 252 of the Act, commission established rulemaking dockets, or in any legal challenges stemming from such proceedings.

16.2. The Parties continue to disagree as to whether ISP calls are subject to reciprocal compensation obligations under their ICAs and interconnection agreements and

Section 251(b)(5) of the Act. By entering into this Amendment neither Party waives its right to advocate its view with respect to these issues, however neither Party will attempt in any way to overturn the provisions of this Amendment during its term. Similarly, the Parties agree that nothing in this Amendment shall be construed as an admission that ISP traffic is, or is not, subject to reciprocal compensation obligations under their ICAs and interconnection agreements or Section 251(b)(5). Therefore, ILEC payments to CLEC under the Agreement shall not be construed as agreement by ILEC that calls to ISPs constitute local traffic subject to reciprocal compensation obligations, provided, however, notwithstanding anything to the contrary, the Parties agree that for purposes of this Amendment compensation is payable as set forth in this Amendment.

16.3. The Parties continue to disagree as whether CLEC is required to establish a physical POI in each local calling area. By entering into this Amendment, neither Party waives its right to advocate its view with respect to this issue. Similarly, the Parties agree that nothing in this Amendment shall be construed as an admission that CLEC must or must not establish a POI in each local calling area. Therefore, CLEC's establishment of a physical POI in each local calling area under the Amendment shall not be construed as agreement by CLEC that physical POIs are required to be established in each local calling area, provided, however, notwithstanding anything to the contrary, the Parties agree that for purposes of this Amendment physical POIs will be established as set forth in this Amendment.

16.4. Except as specifically modified by this Amendment with respect to their mutual obligations herein, neither Party relinquishes, and each Party instead fully reserves, any and all legal rights that it had, has and may have to assert any position with respect to any of the matters set forth herein before any state or federal administrative, legislative, judicial or other legal body.

17. **Additional Terms and Conditions:**

17.1. This Amendment contains provisions that have been negotiated as part of an entire amendment and integrated with each other in such a manner that each provision is material to every other provision. The Parties recognize and agree that Exhibit A, hereto, applies to specified periods of time over the course of the full term of this Amendment, and is intended to be date specific. The Parties stipulate that they would not have mutually agreed to this entire Amendment if a third party carrier could later opt into this Amendment under section 252 (i) of the Act and enjoy higher rates than are in effect at that point in the rate schedule. By entering into this Amendment, ILEC neither agrees that is obligated to permit, nor waives its rights to contend that it is not obligated to permit, its tandem switching and common transport facilities to be used without compensation for the carriage of Virtual FX traffic.

17.2. The Parties agree that each and every rate, term and condition of this Amendment is legitimately related to, and conditioned on, and in consideration for, every other

rate, term and condition in the underlying ICA or interconnection agreement. The Parties agree that they would not have agreed to this Amendment except for the fact that it was entered into on a 13-State basis and included the totality of rates, terms and conditions listed herein.

- 17.3. This Amendment is the joint work product of the Parties and has been negotiated by the Parties and their respective counsel and shall be fairly interpreted in accordance with its terms and, in the event of any ambiguities, no inferences shall be drawn against either Party.
- 17.4. The terms contained in this Amendment and its Exhibit A, constitute the entire agreement with regard to the modification and amendment of the ICAs and incorporation into future interconnection agreements through May 31, 2004, and shall be interpreted solely in accordance with its own terms.
- 17.5. The headings of the Sections of this Amendment are strictly for convenience and shall not in any way be construed to define, modify or restrict the meaning or interpretation of the terms, provisions or conditions of this Amendment.
- 17.6. This Amendment may be executed in any number of counterparts, each of which shall be deemed an original; but such counterparts shall together constitute one and the same instrument.
- 17.7. This Amendment shall be filed by the Parties with the PUCs in each state listed in the introductory paragraph above. Neither Party may seek a stay of the PUCs' approval of this Amendment or in any way seek to delay, postpone or interfere with the PUCs' approval of this Amendment.

(SIGNATURES ON FOLLOWING PAGE)

IN WITNESS WHEREOF, the Parties hereto have caused this Amendment to be executed on the dates shown below by their respective duly authorized representatives and hereby agree that this Amendment shall be effective between the Parties (the Effective Date) upon the final signature date below.

Illinois Bell Telephone Company
Indiana Bell Telephone Company Incorporated
Michigan Bell Telephone Company
The Ohio Bell Telephone Company
Wisconsin Bell Inc. d/b/a Ameritech Wisconsin
Nevada Bell Telephone Company
Pacific Bell Telephone Company
The Southern New England Telephone Company
and Southwestern Bell Telephone Company

Brooks Fiber Communications of Arkansas, Inc., Brooks Fiber Communications of Bakersfield, Inc., Brooks Fiber Communications of Connecticut, Inc., Brooks Fiber Communications of Fresno, Inc., Brooks Fiber Communications of Michigan, Inc., Brooks Fiber Communications of Missouri, Inc., Brooks Fiber Communications of Nevada, Inc., Brooks Fiber Communications of Ohio, Inc., Brooks Fiber Communications of Oklahoma, Inc., Brooks Fiber Communications of Sacramento, Inc., Brooks Fiber Communications of San Jose, Inc., Brooks Fiber Communications of Stockton, Inc., Brooks Fiber Communications of Texas, Inc., Brooks Fiber Communications of Tulsa, Inc.; MCImetro Access Transmission Services LLC, f/k/a MCImetro Access Transmission Services, Inc. or MCI Access Transmission Services, Inc., or MCImetro ATS, Inc.; MCI WORLDCOM Communications, Inc., f/k/a MFS Communications Company, Inc. or MFS Intelenet of Connecticut, Inc. or WorldCom Technologies, Inc. or MCI WorldCom Technologies, Inc.

By: David D. Kerr
Name: DAVID D. KERR
Title: President, Industry Markets
Date: JUL 03 2001

By: John A. Trofimuk
Name: JOHN A. TROFIMUK
Title: CENTRAL REGION EXECUTIVE
Date: JUNE 12, 2001

EXHIBIT A

ATTACHMENT: RATE SCHEDULE

Worldcom Rates - In Balance Traffic (201/01 - 5/31/03)													
	TX	MI	IL	IN	WI	OH	CT	MO	KS	OK	AR	CA	NV
End Office Served	0.001700	0.001004	0.003746	0.004087	0.004241	0.003815	0.002019	0.001988	0.001843	0.002861	0.004358	SEE BELOW	
Tandem Served	0.002465	0.001461	0.005175	0.004556	0.005273	0.004687	0.003824	0.003851	0.002824	0.005347	0.006508		
Blended	0.00193	0.001141	0.004174	0.004234	0.004550	0.004408	0.002561	0.002546	0.002137	0.003608	0.005003		
Worldcom Rates - Out of Balance Traffic (201/01 - 5/31/03)													
	TX	MI	IL	IN	WI	OH	CT	MO	KS	OK	AR	CA	NV
Year 1 (201/01 - 5/31/01)	0.001078	0.001004	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013
Year 2 (6/1/01 - 5/31/02)	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
Year 3 (6/1/02 - 5/31/03)	0.000794	0.000262	0.001072	0.000307	0.000704	0.00066	0.001805	0.001514	0.000789	0.000956	0.001665	0.00067	0.001261
Worldcom Rates - All Traffic (6/01/03 - 5/31/04)													
	TX	MI	IL	IN	WI	OH	CT	MO	KS	OK	AR	CA	NV
Year 4 - (6/01/03 - 5/31/04) (Regardless of Traffic Balance)	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
California (in balance)													
End Office:	Set Up	0.007											
Tandem Served:	Duration	0.00187											
Blended:	Duration	0.0041											
	Duration	0.002539											
Nevada (in balance)													
End Office:	Set Up	0.00311											
Tandem Served:	Duration	0.002506											
Blended:	Duration	0.00409											
	Duration	0.0029812											

Exhibit B
Michigan Amendment and Pricing Schedule

MPSC SEPTEMBER 21, 2004 ORDER AMENDMENT TO THE INTERCONNECTION AGREEMENTS

This MPSC September 21, 2004 Order Amendment to the interconnection agreements (“Agreements”) (the “Amendment”) is being entered into by and between Michigan Bell Telephone Company d/b/a SBC Michigan (“SBC Michigan”)¹ and MCImetro Access Transmission Services LLC (including those Agreements held by MCImetro as successor in interest of MCI WORLDCOM Communications, Inc. and Brooks Fiber Communications of Michigan, Inc.) (“CLEC”).

WHEREAS, SBC Michigan and CLEC are parties to Agreements that were previously submitted to the Michigan Public Service Commission (“MPSC” or “Commission”) for approval, and may have been amended prior to this Amendment ;

WHEREAS, the MPSC issued an order (“Order”) in Case No. U-13531, on September 21, 2004, approving certain cost studies for unbundled network elements (“UNEs”) that may be included in the Agreements and requiring SBC Michigan to file a compliance cost study showing the resulting UNE rates in summary form as an illustrative interconnection agreement pricing schedule (the “Compliance Filing”);

WHEREAS, SBC Michigan made the Compliance Filing on November 5, 2004, and filed an errata to this on November 16, 2004;

WHEREAS, provisions of the Agreements provide for the incorporation into the Agreements of new rates and rate structures such as those established by the Order; and

WHEREAS, based on the foregoing, this Amendment incorporates into the Agreements the rates and rate structure changes as reflected in Attachment “A”.

NOW, THEREFORE, in consideration of the mutual promises contained herein, the Agreements shall be amended as follows:

1. INTRODUCTION

- 1.1 Unless otherwise defined herein, capitalized terms shall have the meanings assigned to such terms in the Agreements.
- 1.2 To the extent there is a conflict or inconsistency between the provisions of this Amendment and the provisions of the Agreements (including all incorporated or accompanying Appendices, Addenda and Exhibits to the Agreements), the provisions of this Amendment shall control and apply but only to the extent of such conflict or inconsistency.

2. AMENDMENT TO THE AGREEMENT

- 2.1 The Agreements are hereby amended by adding the rates set forth in Attachment A of this Amendment, which rates hereby supersede and replace the corresponding rates that were in the Agreements prior to the Amendment Effective Date.
 - 2.1.1 Intentionally Omitted.

¹ Michigan Bell Telephone Company (Michigan Bell), a Michigan corporation, offers telecommunications services and operates under the names “SBC Michigan” and “SBC Ameritech Michigan” (used interchangeably herein), pursuant to assumed name filings with the State of Michigan.

² SBC Michigan intends that if any other CLEC in Michigan hereafter adopts the Agreement as amended (“Adopting CLEC”) pursuant to 47 U.S.C. Section 252(i) the rate changes implemented by this Amendment could only apply under the Agreement prospectively beginning from the date that Agreement (including, as applicable, this Amendment and any other amendment) became effective between the Adopting CLEC and SBC Michigan following the Commission’s order approving the Adopting CLEC’s Section 252(i) adoption or, if absent such Commission approval, the date such Agreement is deemed approved by operation of law (“Section 252(i) Effective Date”) and that rate changes could not in any manner apply retroactively prior to the Section 252(i) Effective Date.

2.1.2 The new rates and rate structures in Attachment A shall begin to apply on November 6, 2004². The Parties acknowledge and agree that they have, prior to the Amendment Effective Date, performed the true ups necessary to apply the rates retroactively to November 6, 2004 and that no further true-up for these rates is required or appropriate. In the event the MPSC in a subsequent order issued as a result of its review of the Compliance Filing revises the rates and/or rate structures reflected in the Compliance Filing, thereby resulting in new rates and/or rate structures under Attachment A hereto, this Amendment with a revised Attachment A conforming to such subsequent order (“Revised Amendment”) shall be promptly filed with the Commission.

2.2 Intentionally Omitted.

2.3 Intentionally Omitted.

3. AMENDMENT EFFECTIVE DATE

3.1 The effective date of this Amendment shall be immediate upon approval of this Amendment by the MPSC under Section 252(e) of the Act or, absent such MPSC approval, the date this Amendment is deemed approved under Section 252(e)(4) of the Act (“Amendment Effective Date”) provided, however, that the rates contained herein shall be applied in accordance with Sections 2.1.2 of this Amendment.

4. TERM OF AMENDMENT

4.1 EXCEPT AS MODIFIED HEREIN, ALL OTHER RATES, TERMS AND CONDITIONS OF THE AGREEMENTS SHALL REMAIN UNCHANGED. This Amendment will become effective as of the Amendment Effective Date, and will terminate on the termination or expiration of the Agreements.

5. APPLICATION OF FEDERAL REQUIREMENTS AND OBLIGATIONS

5.1 This Amendment is the result of the MPSC’s Order and solely addresses rates and rate structures. Accordingly, no aspect of this Amendment qualifies for portability into any other state under any state or federal statute, regulation, order or legal obligation (collectively “Law”), if any. The entirety of this Amendment and its provisions are non-severable, and are “legitimately related” as that phrase is understood under Section 252(i) of Title 47, United States Code.

6. RESERVATIONS OF RIGHTS

6.1 In entering into this Amendment, neither Party is waiving, and each Party hereby expressly reserves, any of the rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the Agreements (including intervening law rights asserted by either Party via written notice predating this Amendment) with respect to any orders, decisions, legislation or proceedings and any remands thereof, including, without limitation, the following actions, which the Parties have not yet fully incorporated into the Agreements or which may be the subject of further government review: *Application of SBC Michigan for a consolidated change of law proceeding to conform 251/252 interconnection agreements to governing law pursuant to Section 252 of the Communications Act of 1934, as amended*, MPSC Case No. U-14305, *In the matter of the application of competitive local exchange carriers to initiate a Commission investigation of issues related to the obligation of incumbent local exchange carriers in Michigan to maintain terms and conditions for access to unbundled network elements or other facilities used to provide basic local exchange and other telecommunications services in tariffs and interconnection agreements approved by the Commission, pursuant to the Michigan Telecommunications Act, the Telecommunications Act of 1996, and other relevant authority*, MPSC Case No. U-14303, *Verizon v. FCC, et. al*, 535 U.S. 467 (2002); *USTA, et. al v. FCC*, 290 F.3d 415 (D.C. Cir. 2002) and following remand and appeal, *USTA v. FCC*, 359 F.3d 554 (D.C. Cir. 2004); the FCC’s Triennial Review Order (rel. Aug. 21, 2003) including, without limitation, the FCC’s MDU Reconsideration Order (FCC 04-191) (rel. Aug. 9, 2004) and the FCC’s Order on Reconsideration (FCC 04-248) (rel. Oct. 18, 2004); and the FCC’s Order on Remand and Report and Order in CC Dockets No. 96-98 and 99-68, 16 FCC Rcd 9151 (2001), (rel. April 27, 2001), which was remanded in *WorldCom, Inc. v. FCC*, 288 F.3d 429 (D.C. Cir. 2002).

6.2 Intentionally Omitted.

6.3 Intentionally Omitted.

7. MISCELLANEOUS

7.1 This Amendment may be executed in counterparts, each of which shall be deemed an original but all of which when taken together shall constitute a single Amendment.

7.2 This Amendment constitutes the entire amendment of the Agreement and supersedes all previous proposals, both verbal and written.

IN WITNESS WHEREOF, each Party has caused this Amendment to be executed by its duly authorized representative.

MCImetro Access Transmission Services LLC

Michigan Bell Telephone Company d/b/a SBC Michigan by SBC Telecommunications, Inc., its authorized agent

By:  _____

By:  _____

Printed: Michael A. Beach

Printed: GLEN SIRLES

Title: Vice President

Title: *For/* Senior Vice President – Industry Markets & Diversified Businesses

Date: November 30, 2004

Date: 11-30-2004

FACILITIES-BASED OCN # _____

ACNA _____

ATTACHMENT A: MICHIGAN PRICE SCHEDULE

**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2						
3		SBC MI		SBC Michigan		
4		Recurring		Connect		Disconnect
5	Unbundled Loops					
6	2W Analog Basic - Access Area A	\$ 9.13				
7	2W Analog Basic - Access Area B	\$ 10.77				
8	2W Analog Basic - Access Area C	\$ 14.20				
9	2W Analog PBX Grd Start - Access Area A	\$ 9.26				
10	2W Analog PBX Grd Start - Access Area B	\$ 11.05				
11	2W Analog PBX Grd Start - Access Area C	\$ 14.47				
12	2W Analog COPTS Coin - Access Area A	\$ 9.45				
13	2W Analog COPTS Coin - Access Area B	\$ 11.32				
14	2W Analog COPTS Coin - Access Area C	\$ 14.72				
15	2W Analog EKL - Access Area A	\$ 10.35				
16	2W Analog EKL - Access Area B	\$ 12.57				
17	2W Analog EKL - Access Area C	\$ 15.88				
18	4W Analog - Access Area A	\$ 21.83				
19	4W Analog - Access Area B	\$ 26.66				
20	4W Analog - Access Area C	\$ 33.16				
21						
22	DIGITAL					
23	2W Digital ISDN-BRI - Access Area A	\$ 12.66				
24	2W Digital ISDN-BRI - Access Area B	\$ 16.22				
25	2W Digital ISDN-BRI - Access Area C	\$ 19.93				
26	4W Digital - Access Area A	\$ 40.65				
27	4W Digital - Access Area B	\$ 44.01				
28	4W Digital - Access Area C	\$ 51.71				
29	DS3 Loop - Access Area A	\$ 321.94				
30	DS3 Loop - Access Area B	\$ 379.38				
31	DS3 Loop - Access Area C	\$ 479.37				
32						
33	xDSL Capable loops					
34	PSD 1-5 and 7					
35	2W ADSL/HDSL Compatible - Access Area A	\$ 9.51				
36	2W ADSL/HDSL Compatible - Access Area B	\$ 11.42				
37	2W ADSL/HDSL Compatible - Access Area C	\$ 17.02				
38	PSD 3					
39	4W HDSL Compatible - Access Area A	\$ 17.51				
40	4W HDSL Compatible - Access Area B	\$ 20.96				
41	4W HDSL Compatible - Access Area C	\$ 32.35				
42	IDSL-Loops					
43	IDSL Loop Access Area A - Metro	\$ 12.66				
44	IDSL Loop Access Area B - Suburban	\$ 16.22				
45	IDSL Loop Access Area C - Rural	\$ 19.93				
46	High Frequency Portion of the Loop					
47	HFPL Loop - Access Area A	\$ 4.75				
48	HFPL Loop - Access Area B	\$ 5.71				
49	HFPL Loop - Access Area C	\$ 8.51				
50	OSS Modification	\$ -				
51	Cross Connect Configuration - Company Owned	\$ 0.45		\$ 11.46		\$ 11.46
52	Cross Connect Configuration - CLEC Owned			\$ 11.46		\$ 11.46
53	Cross Connect Configuration - CLEC Owned - Non-Integrated	\$ 0.45				
54						
55	Company-Owned Splitter - Line at a time	\$ 1.33				
56	Company-Owned Splitter - Shelf at a time					
57	HFPL Service Order Charges					
58	Installation			\$ 3.62		\$ 1.77
59	Subsequent			\$ 3.46		\$ -
60	Record Order			\$ 2.13		\$ -
61						
62	Loop NRC					
63	Service Ordering Charge - Analog Loops - Initial - Per Occasion			\$ 3.62		\$ 1.77
64	Service Ordering Charge - Analog Loops - Subsequent - Per Occasion			\$ 3.46		\$ -

Note 1: All rates subject to change based on the final Compliance Order in Case No. U-13531.

**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3		SBC MI		Non-Recurring		
4		Recurring		Connect		Disconnect
65	Service Ordering Charge - Analog Loops - Record Work Only - Per Occasion			\$	2.13	

Note 1: All rates subject to change based on the final Compliance Order in Case No. U-13531.

**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3		SBC MI		Non-Recurring		
4		Recurring		Connect		Disconnect
66						
67	Service Ordering -(DS0) - Administrative Charge			\$ -		\$ -
68	Service Provisioning (DS0)			\$ -		\$ -
69						
70	Service Ordering -(DS1) - Administrative Charge			\$ 3.54		\$ 2.13
71	Service Provisioning (DS1) (both UNE-L and new UNE-P)			\$ 63.95		\$ 41.42
72						
73	Service Ordering -(DS3) - Administrative Charge			\$ 3.54		\$ 2.13
74	Service Provisioning (DS3) (both UNE-L and new UNE-P)			\$ 91.29		\$ 31.48
75						
76	Line Connection Charge - Analog Loop - Per Termination (both UNE-L and new UNE-P)			\$ 20.43		\$ 6.71
77	Service Coordination Fee - Per carrier bill, per central office	\$ 5.39				
78						
79	<u>Cancellation OR Change Service Charge. PER LAST CRITICAL DATE REACHED</u>					
80	<u>ANALOG LOOPS</u>					
81	Service Order Portion to be applied to each critical date below			\$ 0.36		\$ -
82	Design Layout report date			\$ 4.62		\$ -
83	Records Issue Date			\$ 20.52		\$ -
84	Designed, Verified and Assigned Date			\$ 7.76		\$ -
85	Plant Test Date			\$ 52.27		\$ -
86						
87	<u>DS0</u>					
88	<u>DIGITAL LOOPS</u>					
89	Service Order Portion to be applied to each critical date below			\$ 0.36		\$ -
90	Design Layout report date			\$ -		\$ -
91	Records Issue Date			\$ -		\$ -
92	Designed, Verified and Assigned Date			\$ -		\$ -
93	Plant Test Date			\$ -		\$ -
94						
95	<u>DS1</u>					
96	Service Order Portion to be applied to each critical date below			\$ 2.38		\$ -
97	Design Layout report date			\$ 15.04		\$ -
98	Records Issue Date			\$ 15.04		\$ -
99	Designed, Verified and Assigned Date			\$ 45.33		\$ -
100	Plant Test Date			\$ 65.75		\$ -
101						
102	<u>DS3</u>					
103	Service Order Portion to be applied to each critical date below			\$ 2.38		\$ -
104	Design Layout report date			\$ 16.05		\$ -
105	Records Issue Date			\$ 16.05		\$ -
106	Designed, Verified and Assigned Date			\$ 43.27		\$ -
107	Plant Test Date			\$ 66.14		\$ -
108						
109	<u>Due Date Change Charge. PER ORDER PER OCCASION</u>					
110	Analog Loop			\$ 3.62		\$ -
111	Digital DS0			\$ 21.51		\$ -
112	Digital DS1			\$ 21.51		\$ -
113	Digital DS3			\$ 21.51		\$ -
114						
115	Subloops					
116	MDF to ECS subloop charge 2-Wire Analog Area A (Metro)	\$ 6.98				
117	MDF to ECS subloop charge 2-Wire Analog Area B (Suburban)	\$ 6.85				
118	MDF to ECS subloop charge 2-Wire Analog Area C (Rural)	\$ 7.54				
119	MDF to SAI subloop charge 2-Wire Analog Area A (Metro)	\$ 5.06				
120	MDF to SAI subloop charge 2-Wire Analog Area B (Suburban)	\$ 5.86				
121	MDF to SAI subloop charge 2-Wire Analog Area C (Rural)	\$ 6.08				
122	MDF to Terminal subloop charge 2-Wire Analog Area A (Metro)	\$ 7.46				
123	MDF to Terminal subloop charge 2-Wire Analog Area B (Suburban)	\$ 8.96				
124	MDF to Terminal subloop charge 2-Wire Analog Area C (Rural)	\$ 12.16				
125	ECS to SAI subloop charge 2-Wire Analog Area A (Metro)	\$ 1.10				

Note 1: All rates subject to change based on the final Compliance Order in Case No. U-13531.

**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3		SBC MI		Non-Recurring		
4		Recurring		Connect		Disconnect
126	ECS to SAI subloop charge 2-Wire Analog Area B (Suburban)	\$ 1.04				

Note 1: All rates subject to change based on the final Compliance Order in Case No. U-13531.

**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2						
3		SBC MI		SBC Michigan		
4		Recurring		Non-Recurring		
				Connect		Disconnect
127	ECS to SAI subloop charge 2-Wire Analog Area C (Rural)	\$ 1.10				
128	ECS to Terminal subloop charge 2-Wire Analog Area A (Metro)	\$ 3.50				
129	ECS to Terminal subloop charge 2-Wire Analog Area B (Suburban)	\$ 4.14				
130	ECS to Terminal subloop charge 2-Wire Analog Area C (Rural)	\$ 7.17				
131	ECS to NID subloop charge 2-Wire Analog Area A (Metro)	\$ 5.17				
132	ECS to NID subloop charge 2-Wire Analog Area B (Suburban)	\$ 5.95				
133	ECS to NID subloop charge 2-Wire-Analog Area C (Rural)	\$ 9.21				
134	SAI to Terminal subloop charge 2-Wire Analog Area A (Metro)	\$ 2.90				
135	SAI to Terminal subloop charge 2-Wire Analog Area B (Suburban)	\$ 3.55				
136	SAI to Terminal subloop charge 2-Wire Analog Area C (Rural)	\$ 6.55				
137	SAI to NID subloop charge 2-Wire Analog Area A (Metro)	\$ 4.57				
138	SAI to NID subloop charge 2-Wire Analog Area B (Suburban)	\$ 5.35				
139	SAI to NID subloop charge 2-Wire-Analog Area C (Rural)	\$ 8.59				
140	Terminal to NID subloop charge 2-Wire Analog Area A (Metro)	\$ 2.13				
141	Terminal to NID subloop charge 2-Wire Analog Area B (Suburban)	\$ 2.28				
142	Terminal to NID subloop charge 2-Wire Analog Area C (Rural)	\$ 2.56				
143						
144	MDF to ECS subloop charge 4-Wire Analog Area A (Metro)	\$ 28.02				
145	MDF to ECS subloop charge 4-Wire Analog Area B (Suburban)	\$ 26.45				
146	MDF to ECS subloop charge 4-Wire Analog Area C (Rural)	\$ 27.69				
147	MDF to SAI subloop charge 4-Wire Analog Area A (Metro)	\$ 15.96				
148	MDF to SAI subloop charge 4-Wire Analog Area B (Suburban)	\$ 19.54				
149	MDF to SAI subloop charge 4-Wire Analog Area C (Rural)	\$ 19.80				
150	MDF to Terminal subloop charge 4-Wire Analog Area A (Metro)	\$ 20.18				
151	MDF to Terminal subloop charge 4-Wire Analog Area B (Suburban)	\$ 25.04				
152	MDF to Terminal subloop charge 4-Wire Analog Area C (Rural)	\$ 31.08				
153	ECS to SAI subloop charge 4-Wire Analog Area A (Metro)	\$ 2.11				
154	ECS to SAI subloop charge 4-Wire Analog Area B (Suburban)	\$ 2.00				
155	ECS to SAI subloop charge 4-Wire Analog Area C (Rural)	\$ 2.11				
156	ECS to Terminal subloop charge 4-Wire Analog Area A (Metro)	\$ 6.33				
157	ECS to Terminal subloop charge 4-Wire Analog Area B (Suburban)	\$ 7.50				
158	ECS to Terminal subloop charge 4-Wire Analog Area C (Rural)	\$ 13.39				
159	ECS to NID subloop charge 4-Wire Analog Area A (Metro)	\$ 7.97				
160	ECS to NID subloop charge 4-Wire Analog Area B (Suburban)	\$ 9.12				
161	ECS to NID subloop charge 4-Wire-Analog Area C (Rural)	\$ 15.47				
162	SAI to Terminal subloop charge 4-Wire Analog Area A (Metro)	\$ 5.17				
163						
164	SAI to Terminal subloop charge 4-Wire Analog Area B (Suburban)	\$ 6.36				
165	SAI to Terminal subloop charge 4-Wire Analog Area C (Rural)	\$ 12.19				
166	SAI to NID subloop charge 4-Wire Analog Area A (Metro)	\$ 6.81				
167	SAI to NID subloop charge 4-Wire Analog Area B (Suburban)	\$ 7.98				
168	SAI to NID subloop charge 4-Wire Analog Area C (Rural)	\$ 14.27				
169	Terminal to NID subloop charge 4-Wire Analog Area A (Metro)	\$ 2.13				
170	Terminal to NID subloop charge 4-Wire Analog Area B (Suburban)	\$ 2.07				
171	Terminal to NID subloop charge 4-Wire Analog Area C (Rural)	\$ 2.69				
172						
173	MDF to ECS subloop charge 2-Wire DSL Area A (Metro)	\$ 5.04				
174	MDF to ECS subloop charge 2-Wire DSL Area B (Suburban)	\$ 5.81				
175	MDF to ECS subloop charge 2-Wire DSL Area C (Rural)	\$ 9.37				
176	MDF to SAI subloop charge 2-Wire DSL Area A (Metro)	\$ 5.30				
177	MDF to SAI subloop charge 2-Wire DSL Area B (Suburban)	\$ 6.34				
178	MDF to SAI subloop charge 2-Wire DSL Area C (Rural)	\$ 9.11				
179	MDF to Terminal subloop charge 2-Wire DSL Area A (Metro)	\$ 7.78				
180	MDF to Terminal subloop charge 2-Wire DSL Area B (Suburban)	\$ 9.55				
181	MDF to Terminal subloop charge 2-Wire DSL Area C (Rural)	\$ 15.03				
182	ECS to SAI subloop charge 2-Wire DSL Area A (Metro)	\$ 1.07				
183	ECS to SAI subloop charge 2-Wire DSL Area B (Suburban)	\$ 0.99				
184	ECS to SAI subloop charge 2-Wire DSL Area C (Rural)	\$ 1.04				
185	ECS to Terminal subloop charge 2-Wire DSL Area A (Metro)	\$ 3.55				
186	ECS to Terminal subloop charge 2-Wire DSL Area B (Suburban)	\$ 4.21				

Note 1: All rates subject to change based on the final Compliance Order in Case No. U-13531.

**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3		SBC MI		Non-Recurring		
4		Recurring		Connect		Disconnect
187	ECS to Terminal subloop charge 2-Wire DSL Area C (Rural)	\$ 6.96				

Note 1: All rates subject to change based on the final Compliance Order in Case No. U-13531.

**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2						
3		SBC MI		SBC Michigan		
4		Recurring		Non-Recurring		
				Connect	Disconnect	
188	ECS to NID subloop charge 2-Wire DSL Area A (Metro)	\$ 5.27				
189	ECS to NID subloop charge 2-Wire DSL Area B (Suburban)	\$ 6.07				
190	ECS to NID subloop charge 2-Wire DSL Area C (Rural)	\$ 8.95				
191	SAI to Terminal subloop charge 2-Wire DSL Area A (Metro)	\$ 2.95				
192	SAI to Terminal subloop charge 2-Wire DSL Area B (Suburban)	\$ 3.61				
193	SAI to Terminal subloop charge 2-Wire DSL Area C (Rural)	\$ 6.34				
194	SAI to NID subloop charge 2-Wire DSL Area A (Metro)	\$ 4.67				
195	SAI to NID subloop charge 2-Wire DSL Area B (Suburban)	\$ 5.48				
196	SAI to NID subloop charge 2-Wire DSL Area C (Rural)	\$ 8.33				
197	Terminal to NID subloop charge 2-Wire DSL Area A (Metro)	\$ 2.20				
198	Terminal to NID subloop charge 2-Wire DSL Area B (Suburban)	\$ 2.36				
199	Terminal to NID subloop charge 2-Wire DSL Area C (Rural)	\$ 2.50				
200						
201	Sub-Loops (continued)					
202	MDF to ECS subloop charge 4-Wire DSL Area A (Metro)	\$ 10.09				
203	MDF to ECS subloop charge 4-Wire DSL Area B (Suburban)	\$ 11.63				
204	MDF to ECS subloop charge 4-Wire DSL Area C (Rural)	\$ 18.74				
205	MDF to SAI subloop charge 4-Wire DSL Area A (Metro)	\$ 10.98				
206	MDF to SAI subloop charge 4-Wire DSL Area B (Suburban)	\$ 13.06				
207	MDF to SAI subloop charge 4-Wire DSL Area C (Rural)	\$ 18.55				
208	MDF to Terminal subloop charge 4-Wire DSL Area A (Metro)	\$ 15.68				
209	MDF to Terminal subloop charge 4-Wire DSL Area B (Suburban)	\$ 19.16				
210	MDF to Terminal subloop charge 4-Wire DSL Area C (Rural)	\$ 30.19				
211	ECS to SAI subloop charge 4-Wire DSL Area A (Metro)	\$ 2.12				
212	ECS to SAI subloop charge 4-Wire DSL Area B (Suburban)	\$ 1.96				
213	ECS to SAI subloop charge 4-Wire DSL Area C (Rural)	\$ 2.05				
214	ECS to Terminal subloop charge 4-Wire DSL Area A (Metro)	\$ 6.82				
215	ECS to Terminal subloop charge 4-Wire DSL Area B (Suburban)	\$ 8.06				
216	ECS to Terminal subloop charge 4-Wire DSL Area C (Rural)	\$ 13.69				
217	ECS to NID subloop charge 4-Wire DSL Area A (Metro)	\$ 8.65				
218	ECS to NID subloop charge 4-Wire DSL Area B (Suburban)	\$ 9.86				
219	ECS to NID subloop charge 4-Wire DSL Area C (Rural)	\$ 15.84				
220	SAI to Terminal subloop charge 4-Wire DSL Area A (Metro)	\$ 5.66				
221	SAI to Terminal subloop charge 4-Wire DSL Area B (Suburban)	\$ 6.92				
222	SAI to Terminal subloop charge 4-Wire DSL Area C (Rural)	\$ 12.49				
223	SAI to NID subloop charge 4-Wire DSL Area A (Metro)	\$ 7.49				
224	SAI to NID subloop charge 4-Wire DSL Area B (Suburban)	\$ 8.72				
225	SAI to NID subloop charge 4-Wire DSL Area C (Rural)	\$ 14.64				
226	Terminal to NID subloop charge 4-Wire DSL Area A (Metro)	\$ 2.37				
227	Terminal to NID subloop charge 4-Wire DSL Area B (Suburban)	\$ 2.29				
228	Terminal to NID subloop charge 4-Wire DSL Area C (Rural)	\$ 2.78				
229						
230	MDF to ECS Subloop Charge 2-Wire ISDN Area A (Metro)	\$ 16.21				
231	MDF to ECS Subloop Charge 2-Wire ISDN Area B (Suburban)	\$ 16.32				
232	MDF to ECS Subloop Charge 2-Wire ISDN Area C (Rural)	\$ 18.10				
233	MDF to SAI subloop charge 2-Wire ISDN Area A (Metro)	\$ 8.86				
234	MDF to SAI Subloop Charge 2-Wire ISDN Area B (Suburban)	\$ 11.65				
235	MDF to SAI Subloop Charge 2-Wire ISDN Area C (Rural)	\$ 12.45				
236	MDF to Terminal subloop charge 2-Wire ISDN Area A (Metro)	\$ 11.10				
237	MDF to Terminal Subloop Charge 2-Wire ISDN Area B (Suburban)	\$ 14.54				
238	MDF to Terminal Subloop Charge 2-Wire ISDN Area C (Rural)	\$ 18.05				
239						
240	MDF to RT Subloop Charge 4-Wire DS1 Area A (Metro)	\$ 63.61				
241	MDF to RT Subloop Charge 4-Wire DS1 Area B (Suburban)	\$ 65.75				
242	MDF to RT Subloop Charge 4-Wire DS1 Area C (Rural)	\$ 69.25				
243						
244	MDF to RT Subloop Charge-DS3 Area A (Metro)	\$ 320.21				
245	MDF to RT Subloop Charge-DS3 Area B (Suburban)	\$ 374.10				
246	MDF to RT Subloop Charge-DS3 Area C (Rural)	\$ 467.37				
247						

Note 1: All rates subject to change based on the final Compliance Order in Case No. U-13531.

**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3		SBC MI		Non-Recurring		
4		Recurring		Connect		Disconnect
248	Sub-Loop Non-Recurring Charges					

Note 1: All rates subject to change based on the final Compliance Order in Case No. U-13531.

**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2						
3						
4		SBC MI		SBC Michigan		
		Recurring		Non-Recurring		
				Connect		Disconnect
249	Service Order Charge					
250	Establish, per occasion			\$ 3.62		\$ 2.13
251	Add or change, per occasion			\$ 3.54		-
252	Provisioning					
253	2-wire Analog			\$ 20.20		\$ 6.71
254	4-wire Analog			\$ 20.20		\$ 6.71
255	2-wire DSL			\$ 20.20		\$ 6.71
256	4-wire DSL			\$ 20.20		\$ 6.71
257	2-wire ISDN			\$ 20.20		\$ 6.71
258	2-wire DS1			\$ 146.76		\$ 52.02
259	DS3			\$ 162.48		\$ 64.68
260						
261	Loop Qualification					
262	Manual Loop Qualification			\$ -		
263	Mechanized Loop Qualification			\$ -		
264						
265	Loop Conditioning - For Loop Facilities					
266	For Loop Facilities > 12 kft and < 17.5 kft					
267	- Remove Load Coils			\$ 34.01		
268	- Remove Bridged Taps			\$ 26.77		
269	-Restore Bridged Taps			\$ -		
270	- Remove Repeater			\$ 27.85		
271	- Remove Load Coils & Bridged Taps			\$ -		
272	- Restore Load Coils & Bridged Taps			\$ -		
273	- Remove Bridged Taps & Repeater			\$ -		
274	- Restore Bridged Taps & Repeater			\$ -		
275	For Loop Facilities > 17.5 kft					
276	- Remove Load Coil			\$ 13.61		
277	- Remove Bridged Tap			\$ 26.77		
278	- Restore Bridged Tap			\$ -		
279	- Remove Repeater			\$ 27.85		
280	- Remove Load Coil & Bridged Tap			\$ -		
281	- Restore Load Coil & Bridged Tap			\$ -		
282	- Remove Bridged Tap & Repeater			\$ -		
283	- Restore Bridged Tap & Repeater			\$ -		
284						
285	Subloop Conditioning - For subloop Facilities					
286	For subloop Facilities > 12 kft and < 17.5 kft					
287	- Remove Load Coils			\$ 34.01		
288	- Remove Bridged Taps			\$ 26.77		
289	-Restore Bridged Taps			\$ -		
290	- Remove Repeater			\$ 27.85		
291	- Remove Load Coils & Bridged Taps			\$ -		
292	- Restore Load Coils & Bridged Taps			\$ -		
293	- Remove Bridged Taps & Repeater			\$ -		
294	- Restore Bridged Taps & Repeater			\$ -		
295	For subloop Facilities > 17.5 kft					
296	- Remove Load Coil			\$ 13.61		
297	- Remove Bridged Tap			\$ 26.77		
298	- Restore Bridged Tap			\$ -		
299	- Remove Repeater			\$ 27.85		
300	- Remove Load Coil & Bridged Tap			\$ -		
301	- Restore Load Coil & Bridged Tap			\$ -		
302	- Remove Bridged Tap & Repeater			\$ -		
303	- Restore Bridged Tap & Repeater			\$ -		
304						
305	Unbundled Local Switching (ULS) (Stand-Alone)					
306	ULS Switch Usage (over 1,622 MOU), per MOU or fraction thereof		\$ 0.000017			
307						
308	Unbundled Local Switching (Stand Alone)					
309	Basic Line Port		\$ 3.46	\$ 13.63		\$ 7.60

Note 1: All rates subject to change based on the final Compliance Order in Case No. U-13531.

**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3		SBC MI		Non-Recurring		
4		Recurring		Connect	Disconnect	
310	Ground Start Line Port	\$ 3.46		\$ 13.63		\$ 7.60

Note 1: All rates subject to change based on the final Compliance Order in Case No. U-13531.

**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3				Non-Recurring		
4		SBC MI		Recurring	Connect	Disconnect
311	ISDN-Direct Port	\$ 6.66		\$ 46.68	\$ 24.97	
312	per Telephone Number	\$ -				
313	DID Trunk Port	\$ 16.92		\$ 39.03	\$ 22.44	
314	per Telephone Number	\$ -				
315	DID Trunk Port-add/rearrange each termination	\$ -		\$ 16.08	\$ -	
316	ISDN Prime Trunk Port	\$ 127.87		\$ 79.61	\$ 42.52	
317	per Telephone Number	\$ -				
318	ISDN Prime Trunk Port-add/rearrange channels	\$ -		\$ 16.08	\$ -	
319	Digital Trunking Trunk Port (DS1)	\$ 92.02		\$ 57.33	\$ 24.97	
320	Unbundled Local Switching (ULS) Trunk Port	\$ 92.02		\$ 106.37	\$ 84.41	
321	Centrex Basic Line Port	\$ 3.46		\$ 13.63	\$ 7.60	
322	Centrex ISDN Line Port	\$ 6.66		\$ 46.68	\$ 24.97	
323	Centrex EKL Line Port	\$ 4.85		\$ 46.68	\$ 24.97	
324	Centrex Attendant Console Line Port	\$ 7.98		\$ 46.68	\$ 24.97	
325	Conversion Charge, per Order (change from one type of line-port to another)			\$ 0.15	\$ -	
326						
327	Provisioning of message detail per record	\$ 0.000383				
328						
329	Port Feature Add / Change Translation Charge					
330	Initial (1st) feature per port, per order					
331	Basic			\$ 0.10	\$ 0.10	
332	Ground Start / PBX			\$ 0.08	\$ 0.08	
333	ISDN Direct			\$ 0.14	\$ 0.14	
334	DID Trunk			\$ -	\$ -	
335	ISDN Prime			\$ 13.07	\$ 12.68	
336	Digital Trunking			\$ 8.25	\$ 8.25	
337	ULS Trunk			\$ 8.25	\$ 8.25	
338						
339	<u>Cancellation or Change (Provisioning) Charge per last critical date reached</u>					
340	BASIC LINE PORT					
341	Service Order Portion to be applied to each critical date below			\$ 0.26		
342	Design Layout Report Date			\$ 3.62		
343	Records Issue Date			\$ 8.63		
344	Designed, Verified and Assigned Date			\$ 17.09		
345	Plant Test Date			\$ 17.09		
346						
347	Complex Line Port					
348	Service Order Portion to be applied to each critical date below			\$ 3.38		
349	Design Layout Report Date			\$ 34.64		
350	Records Issue Date			\$ 41.28		
351	Designed, Verified and Assigned Date			\$ 6.30		
352	Plant Test Date			\$ 20.29		
353						
354	<u>Cancellation or Change (Provisioning) Charge per last critical date reached</u>					
355	(continued)					
356	DS1 Trunk Port					
357	Service Order Portion to be applied to each critical date below			\$ 3.38		
358	Design Layout Report Date			\$ 21.67		
359	Records Issue Date			\$ 172.80		
360	Designed, Verified and Assigned Date			\$ 13.74		
361	Plant Test Date			\$ 179.75		
362						
363	New Line Class Code					
364	Translations: writing, accepting, and testing			\$ 246.09		
365	Plant Test Date			\$ 259.04		
366						
367	New Network Routing					
368	Translations: writing, accepting, and testing			\$ 28.06		
369	Plant Test Date			\$ 28.06		
370						
371	<u>Due date change charge per order per occasion</u>					

Note 1: All rates subject to change based on the final Compliance Order in Case No. U-13531.

**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3		SBC MI		Non-Recurring		
4		Recurring		Connect		Disconnect
372	Basic Line Port			\$ 3.46		

Note 1: All rates subject to change based on the final Compliance Order in Case No. U-13531.

**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3		SBC MI		Non-Recurring		
4		Recurring		Connect	Disconnect	
373	Trunk Port			\$ 0.76		
374	Complex Line Port			\$ 0.76		
375						
376	Unbundled Tandem Switch Trunk Port (DS1)					
377	DS1 Tandem Trunk Port Change - per port			\$ 122.11	\$ 21.97	
378	Service Charge per order			\$ 52.70	\$ 1.75	
379						
380	Cancellation or Change Service Charge per last critical date reached					
381	DS1 Tandem Trunk Port					
382	Service Order Portion to be applied to each critical date below			\$ 2.06		
383	Design Layout Report Date			\$ -		
384	Records Issue Date			\$ -		
385	Designed, Verified and Assigned Date			\$ -		
386	Plant Test Date			\$ 43.59		
387						
388	Tandem Trunk Port Due Date Change Charge, per order per occasion			\$ 0.57		
389						
390	ULS-ST Usage rates PER MOU					
391	ULS Switch Usage per MOU (for ULS-ST)	\$ -				
392	ULS-ST Blended Transport Usage	\$ 0.001321				
393	ULS-ST Common Transport Usage	\$ 0.000831				
394	ULS-ST Tandem Switching Usage	\$ 0.000198				
395	ULS-ST Reciprocal Compensation - Setup	\$ -				
396	ULS-ST Reciprocal Compensation - MOU	\$ -				
397	ULS-ST SS7 Signaling Transport	\$ 0.000969				
398						
399	Stand -Alone ULS and ULS-ST Service Coordination Fee - Per carrier bill, per switch	\$ 5.39				
400						
401	Unbundled Tandem Switch Trunk Port (DS1)					
402	Usage (without tandem trunk ports) per mou	\$ 0.000238				
403						
404	Cross-Connects					
405	2-Wire	\$ 0.13				
406	4-Wire	\$ 0.27				
407	6-Wire	\$ 0.40				
408	8-Wire	\$ 0.54				
409	DS1	\$ 16.46				
410	DS3	N/A				
411	OC-3	\$ 1.05				
412	OC-12	\$ 1.05				
413	OC-48	\$ 1.05				
414						
415	Centrex System Charges.					
416	Centrex Common Block Establishment, each			\$ 91.75	\$ 71.17	
417	Centrex System Features Change or Rearrangement, per feature, per occasion			\$ 74.21	\$ -	
418	Centrex System Feature Activation, per feature, per occasion			\$ 42.12	\$ 74.11	
419						
420	Service Ordering Charges					
421	Service Ordering - Initial - Basic Port			\$ 3.46	\$ 1.77	
422	Service Ordering - Initial - Complex Port			\$ 34.49	\$ 8.60	
423	Service Ordering - Initial - ULS Trunk Port			\$ 73.38	\$ 1.75	
424	Service Ordering - Record Order - Basic Port			\$ 2.13	\$ -	
425	Service Ordering - Record Order - Complex Port			\$ 2.13	\$ -	
426	Service Ordering - Record Order - ULS Trunk Port			\$ 2.13	\$ -	
427	Service Ordering - Subsequent - Basic Port			\$ 3.65	\$ -	
428	Service Ordering - Subsequent - Complex Port			\$ 5.04	\$ -	
429	Service Ordering - Subsequent - ULS Trunk Port			\$ 5.04	\$ -	
430						
431	ULS Billing Establishment, per carrier (6/7/2002 replaces rate element ULS Billing Est., per carrier, per switch)			\$ 2,263.71		
432						
433	Custom Routing					

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**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3		SBC MI		Non-Recurring		
4		Recurring		Connect		Disconnect
434	Custom Routing, via LCC - New LCC, per LCC, per switch			\$ 259.04		\$ -
435	Custom Routing, via LCC - New Network Routing, per route, per switch			\$ 28.09		\$ 27.58
436	Custom Routing, via AIN, of OS / DA per route, per switch			\$ 28.09		\$ 28.09

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**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3		SBC MI		Non-Recurring		
4		Recurring		Connect	Disconnect	
437						
438	UNE - P Service Order NRC Charge					
439	POTS Electronic			\$ 0.40		\$ 0.18
440	POTS Manual			\$ 23.16		\$ 11.37
441	Non-POTS Electronic			\$ 6.06		\$ 1.39
442	Non-POTS Manual			\$ 42.98		\$ 15.14
443						
444	New UNE-P Port Connection/Disconnection					
445	Basic Line Port			\$ 0.14		\$ 0.14
446	Ground Start Line Port			\$ 0.14		\$ 0.14
447	ISDN-Direct Port			\$ 7.57		\$ 7.57
448	DID Trunk Port			\$ 32.72		\$ 18.12
449	ISDN Prime Trunk Port			\$ 65.52		\$ 35.02
450	Digital Trunking Trunk Port			\$ 43.56		\$ 14.36
451	ULS Trunk Port			\$ 43.56		\$ 14.36
452	Centrex Basic Line Port			\$ 0.14		\$ 0.14
453	Centrex ISDN Line Port			\$ 7.57		\$ 7.57
454	Centrex EKL Line Port			\$ 3.92		\$ 3.92
455	Centrex Attendant Console Line Port			\$ 0.41		\$ 0.41
456						
457	Unbundled Directory Assistance					
458	Information Call Completion	\$ 0.004099				
459	Directory Assistance / per occurrence	\$ 0.248852				
460	Branding Cost per call	\$ 0.003090				
461	Branding, per switch, initial load (same branding announcement)			\$ 1,098.67		
462	Branding, per switch, subsequent load (same branding announcement)			\$ 143.75		
463						
464	Unbundled Operator Services					
465	Manual Call Assistance (NO LIDB VALIDATION) PER OCCURANCE	\$ 0.276712				
466	Manual Call Assistance (LIDB VALIDATION) PER OCCURANCE	\$ 0.277175				
467	Automated Call Assistance per Occurrence	\$ 0.017312				
468	Busy Line Verification	\$ 0.641135				
469	Busy Line Verification Interrupt	\$ 0.734555				
470	Branding Cost per call	\$ 0.003090				
471	Branding, per switch, initial load (same branding announcement)			\$ 1,098.67		
472	Branding, per switch, subsequent load (same branding announcement)			\$ 143.75		
473						
474	Directory Listing Services					
475	Initial Load per listing	\$ 0.014674				
476	Update per listing	\$ 0.014674				
477	Update per month	\$ 1,121.85				
478	Set up per customer			\$ 495.08		
479						
480	Access to SS7					
481	Signal Transfer Point, per port	\$ 251.91		\$ 973.57		\$ 154.13
482	Signal Switching, per ISUP message PER IAM	\$ 0.000077				
483	Signal Switching, per TCAP message	\$ 0.000060				

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**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3				Non-Recurring		
4		SBC MI		Recurring	Connect	Disconnect
484	Signal Transport, per ISUP message PER IAM	\$ 0.000055				
485	Signal Transport, per TCAP message	\$ 0.000037				
486	Signal Formulation, per ISUP message PER IAM	\$ 0.000245				
487	Signal Formulation, per TCAP message	\$ 0.000126				
488	Signal Tandem Switching, per ISUP message	\$ 0.000132				
489	Originating Point Code, per service added or changed			\$ 190.81		\$ 125.53
490	Global Title Address Translation, per service added or changed			\$ 132.23		\$ 129.09
491	SS7 Links - Service Order Charge, per Request			\$ 11.37		\$ 4.85
492						
493	Access to 800 Database					
494	<u>Database Query Using Ameritech Provided Facilities</u>					
495	800DB Call-Routing Query	\$ 0.000956				
496	800DB Routing Options Query	\$ 0.000039				
497						
498	<u>Local STP Database Query Utilizing Carrier Provided</u>					
499	Facilities between the Carrier's Switch and Ameritech's STP and Ameritech Provided					
500	Facilities between Ameritech's STP and Ameritech's Regional STP					
501	800DB Carrier-ID-Only Query	\$ 0.000870				
502	800DB Routing Options Query	\$ 0.000039				
503						
504	<u>Regional STP Database Query Utilizing Carrier Provided Facilities</u>					
505	800DB Carrier-ID-Only Query	\$ 0.000994				
506	800DB Routing Options Query	\$ 0.000039				
507						
508	Access to LIDB Database					
509	LIDB Query at local STP					
510	LIDB Validation Query	\$ 0.005955				
511	LIDB Transport Query	\$ 0.000090				
512	LIDB Query at regional STP					
513	LIDB Validation Query	\$ 0.005955				
514	LIDB Transport Query	\$ 0.000002				
515	Service Order -			\$ 28.66		\$ -
516	Service Establishment (reference Point Code Activation in SS7 Section)			\$ -		\$ -
517						
518	CNAM Database					
519	CNAM Database Query	\$ 0.008476				
520						
521	Unbundled Transport					
522	DS1 UDT Rates					
523	DS1 Entrance Facility - Terminating Bit Rate 1.544 Mbps - Per Point of Termination-Zone 1	\$ 32.36				
524	DS1 Entrance Facility - Terminating Bit Rate 1.544 Mbps - Per Point of Termination-Zone 2	\$ 31.44				
525	DS1 Entrance Facility - Terminating Bit Rate 1.544 Mbps - Per Point of Termination-Zone 3	\$ 29.05				
526	DS1 Interoffice Termination - 1.544 Mbps - Per Point of Termination - Zone 1	\$ 12.39				
527	DS1 Interoffice Termination - 1.544 Mbps - Per Point of Termination - Zone 2	\$ 12.28				
528	DS1 Interoffice Termination - 1.544 Mbps - Per Point of Termination - Zone 3	\$ 13.17				
529	DS1 Interoffice Termination - 1.544 Mbps - Per Point of Termination - InterZone	\$ 13.36				
530	DS1 Interoffice Mileage - 1.544 Mbps - Per Mile - Zone 1	\$ 0.69				
531	DS1 Interoffice Mileage - 1.544 Mbps - Per Mile - Zone 2	\$ 0.77				
532	DS1 Interoffice Mileage - 1.544 Mbps - Per Mile - Zone 3	\$ 0.50				
533	DS1 Interoffice Mileage - 1.544 Mbps - Per Mile - InterZone	\$ 0.20				
534	Interconnection Central Office Multiplexing - DS1 to Voice - Zone 1	\$ 280.24				
535	Interconnection Central Office Multiplexing - DS1 to Voice - Zone 2	\$ 280.24				
536	Interconnection Central Office Multiplexing - DS1 to Voice - Zone 3	\$ 280.24				
537	Clear Channel Capability - Per 1.544 Mbps Circuit Arranged - Zone 1			\$ 75.28		\$ -

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**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3				Non-Recurring		
4		SBC MI		Connect	Disconnect	
538	Clear Channel Capability - Per 1.544 Mbps Circuit Arranged - Zone 2			\$ 75.28	\$ -	
539	Clear Channel Capability - Per 1.544 Mbps Circuit Arranged - Zone 3			\$ 75.28	\$ -	
540	DS1 EF NRC Zone 1			\$ 160.97	\$ 62.69	
541	DS1 EF NRC zone 2			\$ 160.97	\$ 62.69	
542	DS1 EF NRC zone 3			\$ 160.97	\$ 62.69	
543	DS1 IOF NRC Zone 1			\$ 57.80	\$ 22.70	
544	DS1 IOF NRC zone 2			\$ 57.80	\$ 22.70	
545	DS1 IOF NRC zone 3			\$ 57.80	\$ 22.70	
546	Installation and Rearrangement - Administration Charge, per order, Zone 1, 2, 3			\$ 3.14	\$ 2.13	
547						
548	<u>Cancellation or Change Service Charge , per last critical date reached.</u>					
549	<u>DS1</u>					
550	Service Order Portion to be applied to each critical date below			\$ 2.07		
551	Design Layout Report Date			\$ 21.09		
552	Records Issue Date			\$ 21.09		
553	Designed, Verified and Assigned Date			\$ 31.63		
554	Plant Test Date			\$ 59.16		
555						
556	<u>Due date Change Charge, per order or occasion</u>					
557	DS1			\$ 0.43		
558	DS3			\$ 0.43		
559	OC-3, OC-12, OC-48			\$ 0.43		
560						
561	<u>DS3 UDT Rates</u>					
562	DS3 Entrance Facility - DS3 With Electrical Interface - Per Point of Termination-Zone 1	\$ 201.73				
563	DS3 Entrance Facility - DS3 With Electrical Interface - Per Point of Termination-Zone 2	\$ 255.60				
564	DS3 Entrance Facility - DS3 With Electrical Interface - Per Point of Termination-Zone 3	\$ 263.92				
565	DS3 Interoffice Mileage Termination - Per Point of Termination - Zone 1	\$ 129.82				
566	DS3 Interoffice Mileage Termination - Per Point of Termination - Zone 2	\$ 114.98				
567	DS3 Interoffice Mileage Termination - Per Point of Termination - Zone 3	\$ 110.02				
568	DS3 Interoffice Mileage Termination - Per Point of Termination - InterZone	\$ 121.50				
569	DS3 Interoffice Mileage - Per Mile - Zone 1	\$ 6.20				
570	DS3 Interoffice Mileage - Per Mile - Zone 2	\$ 3.84				
571	DS3 Interoffice Mileage - Per Mile - Zone 3	\$ 9.52				
572	DS3 Interoffice Mileage - Per Mile - InterZone	\$ 3.73				
573	Interconnection Central Office Multiplexing - DS3 to DS1 - per Arrangement - Zone 1	\$ 414.55				
574	Interconnection Central Office Multiplexing - DS3 to DS1 - per Arrangement - Zone 2	\$ 414.55				
575	Interconnection Central Office Multiplexing - DS3 to DS1 - per Arrangement - Zone 3	\$ 414.55				
576	DS3 EF NRC Zone 1			\$ 160.49	\$ 62.69	
577	DS3 EF NRC zone 2			\$ 160.49	\$ 62.69	
578	DS3 EF NRC zone 3			\$ 160.49	\$ 62.69	
579	DS3 IOF NRC Zone 1			\$ 74.59	\$ 22.70	
580	DS3 IOF NRC zone 2			\$ 74.59	\$ 22.70	
581	DS3 IOF NRC zone 3			\$ 74.59	\$ 22.70	
582	Installation and Rearrangement - Administration Charge, per order, Zone 1, 2, 3			\$ 3.14	\$ 2.13	
583						
584	<u>Cancellation or Change Service Charge , per last critical date reached.</u>					
585	<u>DS3</u>					
586	Service Order Portion to be applied to each critical date below			\$ 2.07		
587	Design Layout Report Date			\$ 20.38		
588	Records Issue Date			\$ 20.97		
589	Designed, Verified and Assigned Date			\$ 53.61		
590	Plant Test Date			\$ 76.53		
591						
592	<u>OC-3 UDT Rates</u>					
593	Entrance Facility - Terminating Bit Rate 155.52 Mbps - Per Point of Termination Zone 1	\$ 481.27				
594	Entrance Facility - Terminating Bit Rate 155.52 Mbps - Per Point of Termination Zone 2	\$ 490.62				
595	Entrance Facility - Terminating Bit Rate 155.52 Mbps - Per Point of Termination Zone 3	\$ 548.51				
596	Interoffice Termination - 155.52 Mbps - Per Point of Mileage Termination Zone 1	\$ 459.83				
597	Interoffice Termination - 155.52 Mbps - Per Point of Mileage Termination Zone 2	\$ 383.08				

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**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3		SBC MI		Non-Recurring		
4		Recurring		Connect		Disconnect
598	Interoffice Termination - 155.52 Mbps - Per Point of Mileage Termination Zone 3	\$ 336.49				

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**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2						
3						
4		SBC MI				
		Recurring		Connect		Disconnect
599	Interoffice Termination - 155.52 Mbps - Per Point of Mileage Termination InterZone	\$ 418.90				
600	Interoffice Mileage - 155.52 Mbps - Per Mile Zone 1	\$ 18.42				
601	Interoffice Mileage - 155.52 Mbps - Per Mile Zone 2	\$ 10.82				
602	Interoffice Mileage - 155.52 Mbps - Per Mile Zone 3	\$ 15.13				
603	Interoffice Mileage - 155.52 Mbps - Per Mile InterZone	\$ 9.00				
604	OC-3 Add/Drop Multiplexing, per arrangement All Zones	\$ 300.68				
605	Add/Drop Function - Per DS3 Add or Drop All Zones	\$ 24.04				
606	Add/Drop Function - Per DS1 Add or Drop All Zones	\$ 3.84				
607	1+1 Protection, Per OC-3 Entrance Facility Zone 1	\$ 47.46				
608	1+1 Protection, Per OC-3 Entrance Facility Zone 2	\$ 47.23				
609	1+1 Protection, Per OC-3 Entrance Facility Zone 3	\$ 47.23				
610	1+1 Protection with Cable Survivability, Per OC-3 Entrance Facility Zone 1	\$ 47.46				
611	1+1 Protection with Cable Survivability, Per OC-3 Entrance Facility Zone 2	\$ 47.23				
612	1+1 Protection with Cable Survivability, Per OC-3 Entrance Facility Zone 3	\$ 47.23				
613	Cross Connection of Services OC-3 to OC-3 Cross-Connect, per circuit Zone 1	\$ 1.05				
614	Cross Connection of Services OC-3 to OC-3 Cross-Connect, per circuit Zone 2	\$ 1.05				
615	Cross Connection of Services OC-3 to OC-3 Cross-Connect, per circuit Zone 3	\$ 1.05				
616	1+1 Protection with Route Survivability, Per OC-3 Entrance Facility Zone 1	\$ 479.76				
617	1+1 Protection with Route Survivability, Per OC-3 Entrance Facility Zone 2	\$ 486.84				
618	1+1 Protection with Route Survivability, Per OC-3 Entrance Facility Zone 3	\$ 537.46				
619	1+1 Protection with Route Survivability, Per Quarter Route Mile Zone 1	\$ 0.49				
620	1+1 Protection with Route Survivability, Per Quarter Route Mile Zone 2	\$ 0.97				
621	1+1 Protection with Route Survivability, Per Quarter Route Mile Zone 3	\$ 2.44				
622	OC3 EF NRC Zone 1			\$ 171.82		\$ 62.69
623	OC3 EF NRC zone 2			\$ 171.82		\$ 62.69
624	OC3 EF NRC zone 3			\$ 171.82		\$ 62.69
625	OC3 IOF NRC Zone 1			\$ 85.93		\$ 22.70
626	OC3 IOF NRC zone 2			\$ 85.93		\$ 22.70
627	OC3 IOF NRC zone 3			\$ 85.93		\$ 22.70
628	Installation and Rearrangement - Administration Charge, per order, Zone 1, 2, 3			\$ 3.14		\$ 2.13
629						
630	Cancellation or Change Service Charge , per last critical date reached.					
631	OC3, OC12, and OC48					
632	Service Order Portion to be applied to each critical date below			\$ 2.07		
633	Design Layout Report Date			\$ 27.11		
634	Records Issue Date			\$ 27.11		
635	Designed, Verified and Assigned Date			\$ 59.75		
636	Plant Test Date			\$ 87.29		
637						
638	OC-12 UDT Rates					
639	Entrance Facility - Terminating Bit Rate 622.08 Mbps - Per Point of Termination Zone 1	\$ 1,197.95				
640	Entrance Facility - Terminating Bit Rate 622.08 Mbps - Per Point of Termination Zone 2	\$ 1,448.30				
641	Entrance Facility - Terminating Bit Rate 622.08 Mbps - Per Point of Termination Zone 3	\$ 1,719.47				
642	Interoffice Termination - 622.08 Mbps - Per Point of Mileage Termination Zone 1	\$ 1,262.38				
643	Interoffice Termination - 622.08 Mbps - Per Point of Mileage Termination Zone 2	\$ 1,076.14				
644	Interoffice Termination - 622.08 Mbps - Per Point of Mileage Termination Zone 3	\$ 919.56				
645	Interoffice Termination - 622.08 Mbps - Per Point of Mileage Termination InterZone	\$ 1,112.09				
646	Interoffice Mileage - 622.08 Mbps - Per Mile Zone 1	\$ 74.45				
647	Interoffice Mileage - 622.08 Mbps - Per Mile Zone 2	\$ 40.75				
648	Interoffice Mileage - 622.08 Mbps - Per Mile Zone 3	\$ 64.99				
649	Interoffice Mileage - 622.08 Mbps - Per Mile InterZone	\$ 38.60				
650	OC-12 Add/Drop Multiplexing, per arrangement All Zones	\$ 456.32				
651	Add/Drop Function - Per DS3 Add or Drop All Zones	\$ 20.93				
652	Add/Drop Function - Per OC-3 Add or Drop All Zones	\$ 64.05				
653	1+1 Protection, Per OC-12 Entrance Facility Zone 1	\$ 107.43				
654	1+1 Protection, Per OC-12 Entrance Facility Zone 2	\$ 103.80				
655	1+1 Protection, Per OC-12 Entrance Facility Zone 3	\$ 103.80				
656	1+1 Protection with Cable Survivability, Per OC-12 Entrance Facility Zone 1	\$ 107.43				
657	1+1 Protection with Cable Survivability, Per OC-12 Entrance Facility Zone 2	\$ 103.80				
658	1+1 Protection with Cable Survivability, Per OC-12 Entrance Facility Zone 3	\$ 103.80				

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**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3		SBC MI		Non-Recurring		
4		Recurring		Connect		Disconnect
659	Cross Connection of Services OC-12 to OC-12 Cross-Connect, per circuit Zone 1	\$ 1.05				

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**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3		SBC MI		Non-Recurring		
4		Recurring		Connect	Disconnect	
660	Cross Connection of Services OC-12 to OC-12 Cross-Connect, per circuit Zone 2	\$ 1.05				
661	Cross Connection of Services OC-12 to OC-12 Cross-Connect, per circuit Zone 3	\$ 1.05				
662	1+1 Protection with Route Survivability, Per OC-12 Entrance Facility Zone 1	\$ 1,195.46				
663	1+1 Protection with Route Survivability, Per OC-12 Entrance Facility Zone 2	\$ 1,442.15				
664	1+1 Protection with Route Survivability, Per OC-12 Entrance Facility Zone 3	\$ 1,707.42				
665	1+1 Protection with Route Survivability, Per Quarter Route Mile Zone 1	\$ 0.81				
666	1+1 Protection with Route Survivability, Per Quarter Route Mile Zone 2	\$ 1.58				
667	1+1 Protection with Route Survivability, Per Quarter Route Mile Zone 3	\$ 2.67				
668	OC12 EF NRC Zone 1			\$ 171.82	\$ 62.69	
669	OC12 EF NRC zone 2			\$ 171.82	\$ 62.69	
670	OC12 EF NRC zone 3			\$ 171.82	\$ 62.69	
671	OC12 IOF NRC Zone 1			\$ 85.93	\$ 22.70	
672	OC12 IOF NRC zone 2			\$ 85.93	\$ 22.70	
673	OC12 IOF NRC zone 3			\$ 85.93	\$ 22.70	
674	Installation and Rearrangement - Administration Charge, per order, Zone 1, 2, 3			\$ 3.14	\$ 2.13	
675						
676	OC-48 UDT Rates					
677	Entrance Facility - Terminating Bit Rate 2488.32 Mbps - Per Point of Termination Zone 1	\$ 3,937.57				
678	Entrance Facility - Terminating Bit Rate 2488.32 Mbps - Per Point of Termination Zone 2	\$ 4,711.36				
679	Entrance Facility - Terminating Bit Rate 2488.32 Mbps - Per Point of Termination Zone 3	\$ 4,719.85				
680	Interoffice Termination - 2488.32 Mbps - Per Point of Mileage Termination Zone 1	\$ 3,703.43				
681	Interoffice Termination - 2488.32 Mbps - Per Point of Mileage Termination Zone 2	\$ 4,238.86				
682	Interoffice Termination - 2488.32 Mbps - Per Point of Mileage Termination Zone 3	\$ 3,172.26				
683	Interoffice Termination - 2488.32 Mbps - Per Point of Mileage Termination InterZone	\$ 4,582.75				
684	Interoffice Mileage - 2488.32 Mbps - Per Mile Zone 1	\$ 36.06				
685	Interoffice Mileage - 2488.32 Mbps - Per Mile Zone 2	\$ 42.83				
686	Interoffice Mileage - 2488.32 Mbps - Per Mile Zone 3	\$ 73.28				
687	Interoffice Mileage - 2488.32 Mbps - Per Mile InterZone	\$ 24.84				
688	OC-48 Add/Drop Multiplexing, per arrangement All Zones	\$ 1,637.00				
689	Add/Drop Function - Per DS3 Add or Drop All Zones	\$ 24.53				
690	Add/Drop Function - Per OC-3 Add or Drop All Zones	\$ 182.79				
691	Add/Drop Function - Per OC-12 Add or Drop All Zones	\$ 105.09				
692						
693	1+1 Protection, Per OC-48 Entrance Facility Zone 1	\$ 525.47				
694	1+1 Protection, Per OC-48 Entrance Facility Zone 2	\$ 525.47				
695	1+1 Protection, Per OC-48 Entrance Facility Zone 3	\$ 525.47				
696	1+1 Protection with Cable Survivability, Per OC-48 Entrance Facility Zone 1	\$ 525.47				
697	1+1 Protection with Cable Survivability, Per OC-48 Entrance Facility Zone 2	\$ 525.47				
698	1+1 Protection with Cable Survivability, Per OC-48 Entrance Facility Zone 3	\$ 525.47				
699	Cross Connection of Services OC-48 to OC-48 Cross-Connect, per circuit Zone 1	\$ 1.05				
700	Cross Connection of Services OC-48 to OC-48 Cross-Connect, per circuit Zone 2	\$ 1.05				
701	Cross Connection of Services OC-48 to OC-48 Cross-Connect, per circuit Zone 3	\$ 1.05				
702	1+1 Protection with Route Survivability, Per OC-48 Entrance Facility Zone 1	\$ 3,934.69				
703	1+1 Protection with Route Survivability, Per OC-48 Entrance Facility Zone 2	\$ 4,704.65				
704	1+1 Protection with Route Survivability, Per OC-48 Entrance Facility Zone 3	\$ 4,708.90				
705	1+1 Protection with Route Survivability, Per Quarter Route Mile Zone 1	\$ 0.93				
706	1+1 Protection with Route Survivability, Per Quarter Route Mile Zone 2	\$ 1.72				
707	1+1 Protection with Route Survivability, Per Quarter Route Mile Zone 3	\$ 2.42				
708	OC48 EF NRC Zone 1			\$ 171.82	\$ 62.69	
709	OC48 EF NRC zone 2			\$ 171.82	\$ 62.69	
710	OC48 EF NRC zone 3			\$ 171.82	\$ 62.69	
711	OC48 IOF NRC Zone 1			\$ 85.93	\$ 22.70	
712	OC48 IOF NRC zone 2			\$ 85.93	\$ 22.70	
713	OC48 IOF NRC zone 3			\$ 85.93	\$ 22.70	
714	Installation and Rearrangement - Administration Charge, per order, Zone 1, 2, 3			\$ 3.14	\$ 2.13	
715						
716	Unbundled Dark Fiber					
717	Dark Fiber - Interoffice					
718	Interoffice Mileage Termination	\$ 25.34				
719	Interoffice Mileage	\$ 0.002196				

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**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3		SBC MI		Non-Recurring		
4		Recurring		Connect		Disconnect
720	Interoffice Cross Connect	\$ 2.11				

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**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2						
3				SBC Michigan		
4		SBC MI		Non-Recurring		
		Recurring		Connect	Disconnect	
721	Interoffice Inquiry (Provisioning) Charge, per request			\$ 338.03	\$ -	
722	Interoffice Inquiry (Service Order) Charge, per request			\$ 2.33	\$ -	
723	Interoffice Administration Charge, per order			\$ 14.35	\$ 16.19	
724	Interoffice Connection Charge, per strand			\$ 466.62	\$ 157.40	
725	Interoffice Cross-Connects, per strand			\$ 3.62	\$ 3.62	
726	Interoffice Mileage Termination			\$ -	\$ -	
727	Interoffice Mileage-per strand per foot			\$ -	\$ -	
728	Interoffice Cross Connect			\$ -	\$ -	
729	Dark Fiber - Loop/Sub-Loop					
730	Loop/Sub-Loop Mileage Termination	\$ 10.77				
731	Loop/Sub-Loop Mileage	\$ 0.002562				
732	Loop/Sub-Loop Cross Connect	\$ 1.05				
733	Loop/Sub-Loop Inquiry (Provisioning) Charge, per request			\$ 79.66	\$ -	
734	Loop/Sub-Loop Inquiry (Service Order) Charge, per request			\$ 2.33	\$ -	
735	Sub-Loop Inquiry Charge, per request			\$ 79.66	\$ -	
736	Loop/Sub-Loop Administration Charge, per order			\$ 14.35	\$ 16.19	
737	Loop/Sub-Loop Connection Charge, CO to RT/CEV/Hut; CO to Premises, per strand			\$ 358.08	\$ 16.60	
738	Sub-Loop Connection Charge, RT/CEV Hut to Premises, per strand			\$ 48.05	\$ 16.60	
739	Loop/Sub-Loop Cross Connect Charge, per strand			\$ 48.05	\$ 16.60	
740	Sub-Loop Cross Connect Charge, per strand			\$ 48.05	\$ 16.60	
741	Loop/Sub-Loop Cross Connect			\$ -	\$ -	
742						
743	RECIPROCAL COMPENSATION					
744	End Office Local Termination					
745	Set up charge, per call	\$ 0.000622				
746	Duration charge, per MOU	\$ 0.000521				
747	Tandem Switching					
748	Set up charge, per call	\$ 0.000322				
749	Duration charge, per MOU	\$ 0.000337				
750	Tandem Transport Termination					
751	Set up charge, per call	\$ 0.000077				
752	Duration charge, per MOU	\$ 0.000081				
753	Tandem Transport Facility per MOU, per Mile	\$ 0.000001				
754						
755	TRANSIT SERVICE					
756	Tandem Switching					
757	per minute of use	\$ 0.000309				
758	Tandem Termination					
759	per minute of use	\$ 0.000105				
760	Tandem Facility					
761	per minute of use	\$ 0.000040				
762						
763	Special Access to UNE Loop and Transport					
764	Project Administrative Charge, per service order			\$ 4.30		
765						
766	Channelized DS3 - Design & Coordination (with mileage)			\$ 4.42		
767	Channelized DS3 - Demarcation Re-tag (with mileage)			\$ -		
768	Channelized DS1 - Design & Coordination (with mileage)			\$ 4.34		
769	Channelized DS1 - Demarcation Re-tag (with mileage)			\$ -		
770						
771	Non-Channelized DS3 - Design & Coordination (with mileage)			\$ 1.13		
772	Non-Channelized DS3 - Demarcation Re-tag (with mileage)			\$ -		
773	Non-Channelized DS1 - Design & Coordination (with mileage)			\$ 1.13		
774	Non-Channelized DS1 - Demarcation Re-tag (with mileage)			\$ -		

Note 1: All rates subject to change based on the final Compliance Order in Case No. U-13531.

**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3				Non-Recurring		
4		SBC MI		Connect	Disconnect	
775	Non-Channelized DS0 - Design & Coordination (with mileage)			\$ 1.13		
776	Non-Channelized DS0 - Demarcation Re-tag (with mileage)			\$ -		
777						
778	Channelized DS3 - Design & Coordination (without mileage)			\$ 4.52		
779	Channelized DS3 - Demarcation Re-tag (without mileage)			\$ -		
780	Channelized DS1 - Design & Coordination (without mileage)			\$ 4.34		
781	Channelized DS1 - Demarcation Re-tag (without mileage)			\$ -		
782						
783	Non-Channelized DS3 - Design & Coordination (without mileage)			\$ 1.13		
784	Non-Channelized DS3 - Demarcation Re-tag (without mileage)			\$ -		
785	Non-Channelized DS1 - Design & Coordination (without mileage)			\$ 1.13		
786	Non-Channelized DS1 - Demarcation Re-tag (without mileage)			\$ -		
787	Non-Channelized DS0 - Design & Coordination (without mileage)			\$ 1.13		
788	Non-Channelized DS0 - Demarcation Re-tag (without mileage)			\$ -		
789						
790	Enhanced Extended Loop (EEL)					
791	2W Analog Loop Connection - Initial			\$ 7.33	\$ 4.08	
792	2W Analog Loop Connection - Additional			\$ 4.07	\$ 2.54	
793	4W Analog Loop Connection - Initial			\$ 15.21	\$ 7.49	
794	4W Analog Loop Connection - Additional			\$ 7.98	\$ 5.22	
795	2W Digital Loop Connection - Initial			\$ 7.33	\$ 4.28	
796	2W Digital Loop Connection - Additional			\$ 4.07	\$ 2.54	
797	4W DS1 Digital Loop Connection - Initial			\$ 67.42	\$ 14.31	
798	4W DS1 Digital Loop Connection - Additional			\$ 43.75	\$ 8.07	
799	Central Office Multiplexing DS1 to Voice - Initial			\$ 10.25	\$ 4.36	
800	Central Office Multiplexing DS1 to Voice - Additional			\$ 8.81	\$ 2.46	
801	DS1 Interoffice Dedicated Transport Collocated - Initial			\$ 58.76	\$ 39.45	
802	DS1 Interoffice Dedicated Transport Collocated - Additional			\$ 44.06	\$ 39.45	
803	DS1 Dedicated Transport Non-Collocated - Initial			\$ 165.35	\$ 65.95	
804	DS1 Dedicated Transport Non-Collocated - Additional			\$ 98.46	\$ 16.24	
805	4-Wire DS1 Digital Loop to DS1 Interoffice Dedicated Transport Collocated - Initial			\$ 388.81	\$ 39.45	
806	4-Wire DS1 Digital Loop to DS1 Interoffice Dedicated Transport Collocated - Additional			\$ -	\$ 39.45	
807	4-Wire DS1 Digital Loop to DS1 Dedicated Transport Non-Collocated - Initial			\$ 628.62	\$ -	
808	4-Wire DS1 Digital Loop to DS1 Dedicated Transport Non-Collocated - Additional			\$ -	\$ -	
809	DS3 Interoffice Dedicated Transport Collocated - Initial			\$ 77.32	\$ 23.35	
810	DS3 Interoffice Dedicated Transport Collocated - Additional			\$ 35.70	\$ 13.42	
811	DS3 Dedicated Transport Non-Collocated - Initial			\$ 246.01	\$ 89.30	
812	DS3 Dedicated Transport Non-Collocated - Additional			\$ 78.86	\$ 29.65	
813	Clear Channel Capability - Initial			\$ 74.62	\$ 7.62	
814	Clear Channel Capability - Additional			\$ 24.11	\$ 7.62	
815	Electronic - Analog/2-Wire Digital Loop - Establish Service Ordering Charge, Per Service Request, ASR or LSR			\$ 0.25	\$ 0.25	
816	Electronic Subsequent Order - Analog/2-Wire Digital EEL Loop, per Request, ASR or LSR			\$ 0.25	\$ -	
817	Manual - Analog/2-Wire Digital Loop - Establish Service Ordering Charge, Per Service Request, ASR or LSR			\$ 47.18	\$ 31.54	
818	Manual Subsequent Order - Analog/2-Wire Digital EEL Loop, per Request, ASR or LSR			\$ 44.21	\$ -	
819	Electronic - DS1 Loop - Establish Service Ordering Charge, Per Service Request, ASR or LSR			\$ 3.54	\$ 2.13	
820	Electronic Subsequent Order - DS1 EEL Loop, per Request, ASR or LSR			\$ 2.96	\$ -	
821	Manual - DS1 Loop - Establish Service Ordering Charge, Per Service Request, ASR or LSR			\$ 52.22	\$ 31.54	
822	Manual Subsequent Order - DS1 EEL Loop, per Request, ASR or LSR			\$ 44.21	\$ -	
823	Electronic - DS1, DS3 Transport - Establish Service Ordering Charge, Per Service Request, ASR or LSR			\$ 3.14	\$ 2.13	
824	Manual - DS1, DS3 Transport - Establish Service Ordering Charge, Per Service Request, ASR or LSR			\$ 54.46	\$ 31.54	
825	Electronic - Non-channelized DS1 EEL - Establish Service Ordering Charge, Per Service Request, ASR or LSR			\$ 3.54	\$ 2.13	
826	Manual - Non-channelized DS1 EEL - Establish Service Ordering Charge, Per Service Request, ASR or LSR			\$ 85.21	\$ 31.54	
827	Electronic - Central Office Multiplexing - DS1 to Voice - Establish Serv. Ord. Chg, Per Service Request, ASR or LSR			\$ 3.98	\$ 1.93	
828	Manual - Central Office Multiplexing - DS1 to Voice - Establish Serv. Ord. Chg, Per Service Request, ASR or LSR			\$ 54.46	\$ 31.54	
829						
830	Resale					
831	Resale Discount		16.62%			
832						

Note 1: All rates subject to change based on the final Compliance Order in Case No. U-13531.

**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3		SBC MI		Non-Recurring		
4		Recurring		Connect	Disconnect	
833	MPSC Ordered Collocation					
834						
835	Physical Collocation: The M.P.S.C. ordered tariff collocation rates are effective only as they apply to currently effective interconnection agreements that either: 1) point to the Michigan tariff or 2) have been awarded tariff rates through arbitration.					
836	Planning Fees:					
837	Physical Collocation - Initial (monthly per 100 SF)	\$ 19.26				
838	Physical Collocation - Initial (per request)			\$ 3,735.92		
839	Physical Collocation - Subsequent Cable Only			\$ 1,293.20		
840	Common/Shared Collocation - Initial (monthly per 100 SF)	\$ 0.89				
841	Common/Shared Collocation - Initial (per request)			\$ 3,161.16		
842	Common/Shared Collocation - Subsequent Cable Only			\$ 1,293.20		
843	Cageless Collocation - Initial			\$ 4,741.75		
844	Cageless Collocation - Subsequent Cable Only			\$ 1,436.89		
845	Adjacent On-Site Collocation - Initial			\$ 6,466.02		
846	Adjacent On-Site Collocation - Subsequent Cable Only			\$ 1,293.20		
847	Adjacent Off-Site Collocation - Initial			\$ 1,427.49		
848	Physical Caged Collocation:					
849	Physical Land and Building (per 100 SF cage)	\$ 907.64				
850	Physical Cage Preparation (per 100 SF cage)	\$ 55.44				
851	HVAC (per 10 amps of DC power)	\$ 5.88				
852	Physical Cable Racking (per 100 SF cage)	\$ 28.85				
853	Physical Grounding (per 100 SF cage)	\$ 4.50				
854	Cageless Collocation:					
855	Land and Building Charge (per 1/4 rack)	\$ 11.14				
856	Relay Rack Charge (Optional) (per 1/4 rack)	\$ 2.67				
857	HVAC (per 10 amps of DC power)	\$ 5.88				
858	Caged/Common Collocation:					
859	Land and Building (per common area linear foot)	\$ 42.15				
860	Cage Preparation (per common area linear foot)	\$ 2.09				
861	HVAC (per 10 amps of DC power)	\$ 5.88				
862	Physical Cable Racking (per common area linear foot)	\$ 4.54				
863	Physical Grounding (per common area linear foot)	\$ 0.21				
864	Power Consumption - DC Usage					
865	Physical Caged Collocation (per AMP)	\$ 6.10				
866	Common Caged Collocation (per AMP)	\$ 6.10				
867	Cageless Collocation (per AMP)	\$ 6.50				
868	Adjacent On-Site Collocation (per AMP)	\$ 5.22				
869	Power Consumption - AC Usage					
870	Physical Caged Collocation (per AMP)	\$ 4.00				
871	Common Caged Collocation (per AMP)	\$ 4.00				
872	Cageless Collocation (per AMP)	\$ 4.00				
873	Adjacent On-Site Collocation (per AMP)	\$ 4.00				
874	Security Cards (5 cards)			\$ 92.77		
875	Interconnection Arrangement Options					
876	Physical Caged Collocation					
877	DS1 Arrangement (28 DS1s) - DCS	\$ 297.92		\$ 1,421.73		
878	DS1 Arrangement (28 DS1s) - DSX	\$ 14.65		\$ 1,421.73		
879	Common Caged Collocation					
880	DS1 Arrangement (28 DS1s) - DCS	\$ 297.90		\$ 1,421.73		
881	DS1 Arrangement (28 DS1s) - DSX	\$ 14.65		\$ 1,421.73		
882	Cageless Collocation					
883	DS1 Arrangement (28 DS1s) - DCS	\$ 297.90		\$ 1,421.73		
884	DS1 Arrangement (28 DS1s) - DSX	\$ 14.65		\$ 1,421.73		
885	Adjacent On-Site Collocation					
886	DS1 Arrangement (28 DS1s) - DCS	\$ 297.90		\$ 1,818.09		
887	DS1 Arrangement (28 DS1s) - DSX	\$ 14.67		\$ 1,818.09		
888	DS1 Racking	\$ 0.62				
889	Adjacent Off-Site Collocation					
890	DS1 Arrangement (28 DS1s) - DCS	\$ 297.90		\$ 1,421.73		

Note 1: All rates subject to change based on the final Compliance Order in Case No. U-13531.

**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3		SBC MI		Non-Recurring		
4		Recurring		Connect		Disconnect
891	DS1 Arrangement (28 DS1s) - DSX	\$ 14.65		\$ 1,421.73		

Note 1: All rates subject to change based on the final Compliance Order in Case No. U-13531.

**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3				Non-Recurring		
4		SBC MI		Recurring	Connect	Disconnect
892	DS1 Arrangement (450 DS1s) - MDF	\$ 355.52		\$ 694.94		
893	Physical Collocation: The M.P.S.C. ordered tariff collocation rates are effective only as they apply to currently effective interconnection agreements that either: 1) point to the Michigan tariff or 2) have been awarded tariff rates through arbitration.					
894	Physical Caged Collocation					
895	DS3 Arrangement (1 DS3) - DCS	\$ 74.66		\$ 363.31		
896	DS3 Arrangement (1 DS3) - DSX	\$ 12.84		\$ 363.31		
897	Common Caged Collocation					
898	DS3 Arrangement (1 DS3) - DCS	\$ 74.59		\$ 363.31		
899	DS3 Arrangement (1 DS3) - DSX	\$ 12.84		\$ 363.31		
900	Cageless Collocation					
901	DS3 Arrangement (1 DS3) - DCS	\$ 74.66		\$ 363.31		
902	DS3 Arrangement (1 DS3) - DSX	\$ 12.84		\$ 363.31		
903	Adjacent On-Site Collocation					
904	DS3 Arrangement (1 DS3) - DCS	\$ 74.68		\$ 464.59		
905	DS3 Arrangement (1 DS3) - DSX	\$ 12.86		\$ 464.59		
906	DS3 Racking	\$ 0.62				
907	Physical Caged Collocation - Voice Grade Arrangement (100 pairs)	\$ 6.44		\$ 936.26		
908	Common Caged Collocation - Voice Grade Arrangement (100 pairs)	\$ 6.44		\$ 936.26		
909	Cageless Collocation - Voice Grade Arrangement (100 pairs)	\$ 6.51		\$ 936.26		
910	Adjacent On-Site Collocation - Voice Grade Arrangement (100 pairs)	\$ 6.31		\$ 1,065.28		
911	Adjacent On-Site Collocation - Voice Grade Racking	\$ 0.54				
912	Adjacent On-Site Collocation - Rack between CO Outside Wall and Adjacent On-Site, per rack	\$ 35.80		\$ 300.72		
913	Adjacent Off-Site Collocation - Voice Grade Arrangement (900 pairs)	\$ 355.52		\$ 694.94		
914	Optical Circuit Arrangement (12 Fiber pairs)					
915	Physical Caged Collocation - (per Cable)	\$ 8.32		\$ 2,622.86		
916	Common Caged Collocation - (per Cable)	\$ 8.32		\$ 2,622.86		
917	Cageless Collocation - (per Cable)	\$ 8.32		\$ 2,277.74		
918	Adjacent On-Site Collocation - (per Cable)	\$ 8.34		\$ 2,912.75		
919	Adjacent On-Site Collocation - Optical Racking	\$ 0.77				
920	Adjacent Off-Site Collocation - (per Cable)	\$ 9.14		\$ 2,903.19		
921	Power Arrangement					
922	Physical Caged Collocation					
923	Power Delivery - 40 AMP			\$ 170.71		
924	Power Delivery - 100 AMP			\$ 222.66		
925	Power Delivery - 200 AMP			\$ 290.20		
926	Physical Cageless Collocation	\$ 0.08				
927	Common Caged Collocation					
928	Power Delivery - 40 AMP			\$ 170.71		
929	Power Delivery - 100 AMP			\$ 222.66		
930	Power Delivery - 200 AMP			\$ 290.20		
931	Adjacent On-Site Collocation	\$ -				
932	Power Delivery - 200 AMP	\$ 16.02		\$ 6,058.45		
933	Power Delivery - 400 AMP	\$ 32.03		\$ 11,764.36		
934	Power Delivery - 600 AMP	\$ 33.80		\$ 15,543.72		
935	Power Delivery - 800 AMP	\$ 50.71		\$ 23,139.31		
936	Cable Rack between CO Outside Wall and Adjacent On-Site	\$ 35.48		\$ 297.75		
937	Cable Entrance, per wall opening			\$ 714.83		
938	Entrance Fiber Structure Charge (per 125 foot Innerduct)	\$ 1.94				
939	Entrance Fiber, per cable sheath					
940	Physical Caged Collocation	\$ 2.71		\$ 1,598.37		
941	Common Caged Collocation	\$ 2.71		\$ 1,598.37		
942	Cageless Collocation	\$ 14.97		\$ 1,598.37		
943	Adjacent On-Site Collocation	\$ 31.26		\$ 2,880.83		
944	Adjacent On-Site Collocation Arrangement					
945	Land Rental, per square foot	\$ 0.39				
946	Collocation-to-Collocation Arrangement					
947	Physical to Physical					
948	Fiber Cable (12 Fiber Pairs)	\$ 0.84		\$ 2,277.74		
949	DS1 Cable (29 DS1s)	\$ 0.76		\$ 1,421.73		

Note 1: All rates subject to change based on the final Compliance Order in Case No. U-13531.

**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3		SBC MI		Non-Recurring		
4		Recurring		Connect		Disconnect
950	DS3 Cable (1 DS3)	\$ 0.76		\$ 363.31		

Note 1: All rates subject to change based on the final Compliance Order in Case No. U-13531.

**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2						
3		SBC MI		SBC Michigan		
4		Recurring		Connect	Non-Recurring	
951	Cageless to Cageless					
952	Fiber Cable (12 Fiber Pairs)	\$ 0.25		\$ 897.29		
953	DS1 Cable (29 DS1s)	\$ 0.20		\$ 560.08		
954	DS3 Cable (1 DS3)	\$ 0.20		\$ 143.12		
955	Physical Collocation: The M.P.S.C. ordered tariff collocation rates are effective only as they apply to currently effective interconnection agreements that either: 1) point to the Michigan tariff or 2) have been awarded tariff rates through arbitration.					
956	Physical/Cageless to Virtual					
957	Fiber Cable (12 Fiber Pairs)	\$ 0.24		\$ 829.91		
958	DS1 Cable (29 DS1s)	\$ 0.19		\$ 518.01		
959	DS3 Cable (1 DS3)	\$ 0.19		\$ 132.37		
960						
961						
962	Virtual Collocation: The M.P.S.C. ordered tariff collocation rates are effective only as they apply to currently effective interconnection agreements that either: 1) point to the Michigan tariff or 2) have been awarded tariff rates through arbitration.					
963	Planning					
964	Initial			\$ 4,741.75		
965	Subsequent/Cable Only			\$ 1,436.89		
966	Land and Building (per 1/4 bay framework)	\$ 11.14				
967	Relay Rack (per 1/4 rack)	\$ 2.67				
968	HVAC (per 10 amps of DC power consumption)	\$ 5.88				
969	Entrance Fiber (per cable)	\$ 14.97		\$ 1,598.37		
970	Entrance Fiber Structure Charge	\$ 1.94				
971	Power Delivery	\$ 0.08				
972	Power Consumption					
973	DC Power (per AMP)	\$ 6.50				
974	AC Power (per AMP)	\$ 4.00				
975	Voice Grade Interconnection Arrangement (per 100 pairs)	\$ 6.51		\$ 936.26		
976	DS1 Interconnection Arrangement to DCS (per 28 DS1s)	\$ 297.90		\$ 1,421.73		
977	DS1 Interconnection Arrangement to DSX (per 28 DS1s)	\$ 14.65		\$ 1,421.73		
978	DS3 Interconnection Arrangement to DCS (per 1 DS3)	\$ 74.66		\$ 363.31		
979	DS3 Interconnection Arrangement to DSX (per 1 DS3)	\$ 12.84		\$ 363.31		
980	Fiber Interconnection arrangement (per 12 fiber pairs)	\$ 8.32		\$ 2,277.74		
981	Collocation to Collocation Arrangement					
982	Fiber Cable (per 12 fiber cable)	\$ 0.25		\$ 897.29		
983	DS1 Cable (per 28 DS1s)	\$ 0.20		\$ 560.08		
984	DS3 Cable (per 1 DS3)	\$ 0.20		\$ 143.12		
985	Equipment Maintenance and Security Escort					
986	Equipment Maintenance					
987	Staffed Building					
988	Access during attended hours					
989	Each 1/4 hour			\$ 17.76		
990	Each additional 1/4 hour			\$ 17.76		
991	Access during unattended hours					
992	4 hour minimum			\$ 284.20		
993	Each additional 1/4 hour			\$ 17.76		
994	Unstaffed Building					
995	Access during normal business day					
996	Each 1/4 hour			\$ 17.76		
997	Each additional 1/4 hour			\$ 17.76		
998	Access during non-normal business day					
999	4 hour minimum			\$ 284.20		
1000	Each additional 1/4 hour			\$ 17.76		
1001	Security Escort					
1002	Staffed Building					
1003	Access during attended hours					
1004	Each 1/4 hour			\$ 15.83		
1005	Each additional 1/4 hour			\$ 15.83		
1006	Access during unattended hours					

Note 1: All rates subject to change based on the final Compliance Order in Case No. U-13531.

**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3		SBC MI		Non-Recurring		
4		Recurring		Connect		Disconnect
1007	4 hour minimum			\$ 253.32		

Note 1: All rates subject to change based on the final Compliance Order in Case No. U-13531.

**SBC Michigan Rates per Order
in Case No. U-13531**

	A	B	C	D	E	F
1				EXHIBIT C		
2				SBC Michigan		
3		SBC MI		Non-Recurring		
4		Recurring		Connect		Disconnect
1008	Each additional 1/4 hour			\$ 15.83		
1009	Unstaffed Building					
1010	Access during normal business day					
1011	Each 1/4 hour			\$ 15.83		
1012	Each additional 1/4 hour			\$ 15.83		
1013	Access during non-normal business day					
1014	4 hour minimum			\$ 253.32		
1015	Each additional 1/4 hour			\$ 15.83		

Note 1: All rates subject to change based on the final Compliance Order in Case No. U-13531.

MPSC JANUARY 25, 2005 ORDER AMENDMENT TO THE INTERCONNECTION AGREEMENTS

This MPSC January 25, 2005 Order Amendment to the interconnection agreements (“Agreements”) (the “Amendment”) is being entered into by and between Michigan Bell Telephone Company d/b/a SBC Michigan (“SBC Michigan”)¹ and MCImetro Access Transmission Services LLC (including those Agreements held by MCImetro as successor in interest of MCI WORLDCOM Communications, Inc. and Brooks Fiber Communications of Michigan, Inc.) (“CLEC”).

WHEREAS, SBC Michigan and CLEC are parties to Agreements that were previously submitted to the Michigan Public Service Commission (“MPSC” or “Commission”) for approval, and may have been amended prior to this Amendment ;

WHEREAS, the MPSC issued an order (“Order”) in Case No. U-13531, on September 21, 2004, approving certain cost studies for unbundled network elements (“UNEs”) that may be included in the Agreements and requiring SBC Michigan to file a compliance cost study showing the resulting UNE rates in summary form as an illustrative interconnection agreement pricing schedule (the “Compliance Filing”);

WHEREAS, SBC Michigan made the Compliance Filing on November 5, 2004, and filed an errata to this on November 16, 2004;

WHEREAS, the MPSC issued another order in Case No. U-13531 on January 25, 2005;

WHEREAS, provisions of the Agreements provide for the incorporation into the Agreements of new rates and rate structures such as those established by the Order; and

WHEREAS, based on the foregoing, this Amendment incorporates into the Agreements the rates and rate structure changes as reflected in Attachment “A”.

NOW, THEREFORE, in consideration of the mutual promises contained herein, the Agreements shall be amended as follows:

1. INTRODUCTION

1.1 Unless otherwise defined herein, capitalized terms shall have the meanings assigned to such terms in the Agreements.

1.2 To the extent there is a conflict or inconsistency between the provisions of this Amendment and the provisions of the Agreements (including all incorporated or accompanying Appendices, Addenda and Exhibits to the Agreements), the provisions of this Amendment shall control and apply but only to the extent of such conflict or inconsistency.

¹ Michigan Bell Telephone Company (Michigan Bell), a Michigan corporation, offers telecommunications services and operates under the names “SBC Michigan” and “SBC Ameritech Michigan” (used interchangeably herein), pursuant to assumed name filings with the State of Michigan.

² SBC Michigan intends that if any other CLEC in Michigan hereafter adopts the Agreement as amended (“Adopting CLEC”) pursuant to 47 U.S.C. Section 252(i) the rate changes implemented by this Amendment could only apply under the Agreement prospectively beginning from the date that Agreement (including, as applicable, this Amendment and any other amendment) became effective between the Adopting CLEC and SBC Michigan following the Commission’s order approving the Adopting CLEC’s Section 252(i) adoption or, if absent such Commission approval, the date such Agreement is deemed approved by operation of law (“Section 252(i) Effective Date”) and that rate changes could not in any manner apply retroactively prior to the Section 252(i) Effective Date.

2. AMENDMENT TO THE AGREEMENT

2.1 The Agreements are hereby amended by adding the rates set forth in Attachment A of this Amendment, which rates hereby supersede and replace the corresponding rates that were in the Agreements prior to the Amendment Effective Date.

2.1.1 Intentionally Omitted.

2.1.2 The new rates and rate structures in Attachment A shall begin to apply on November 6, 2004². The Parties acknowledge and agree that they have, prior to the Amendment Effective Date, performed the true ups necessary to apply the rates retroactively to November 6, 2004 and that no further true-up for these rates is required or appropriate. In the event the MPSC in a subsequent order issued as a result of its review of the Compliance Filing revises the rates and/or rate structures reflected in the Compliance Filing, thereby resulting in new rates and/or rate structures under Attachment A hereto, this Amendment with a revised Attachment A conforming to such subsequent order (“Revised Amendment”) shall be promptly filed with the Commission.

3. AMENDMENT EFFECTIVE DATE

3.1 The effective date of this Amendment shall be immediate upon approval of this Amendment by the MPSC under Section 252(e) of the Act or, absent such MPSC approval, the date this Amendment is deemed approved under Section 252(e)(4) of the Act (“Amendment Effective Date”) provided, however, that the rates contained herein shall be applied in accordance with Sections 2.1.2 of this Amendment.

4. TERM OF AMENDMENT

4.1 EXCEPT AS MODIFIED HEREIN, ALL OTHER RATES, TERMS AND CONDITIONS OF THE AGREEMENTS SHALL REMAIN UNCHANGED. This Amendment will become effective as of the Amendment Effective Date, and will terminate on the termination or expiration of the Agreements.

5. APPLICATION OF FEDERAL REQUIREMENTS AND OBLIGATIONS

5.1 This Amendment is the result of the MPSC’s Order and solely addresses rates and rate structures. Accordingly, no aspect of this Amendment qualifies for portability into any other state under any state or federal statute, regulation, order or legal obligation (collectively “Law”), if any. The entirety of this Amendment and its provisions are non-severable, and are “legitimately related” as that phrase is understood under Section 252(i) of Title 47, United States Code.

6. RESERVATIONS OF RIGHTS

6.1 In entering into this Amendment, neither Party is waiving, and each Party hereby expressly reserves, any of the rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the Agreements (including intervening law rights asserted by either Party via written notice predating this Amendment) with respect to any orders, decisions, legislation or proceedings and any remands thereof, including, without limitation, the following actions, which the Parties have not yet fully incorporated into the Agreements or which may be the subject of further government review: *Application of SBC Michigan for a consolidated change of law proceeding to conform 251/252 interconnection agreements to governing law pursuant to Section 252 of the Communications Act of 1934, as amended, MPSC Case No. U-14305, In the matter of the application of competitive local exchange carriers to initiate a Commission investigation of issues related to the obligation of incumbent local exchange carriers in Michigan to maintain terms and conditions for access to unbundled network elements or other facilities used to provide basic local exchange and other telecommunications services in tariffs and interconnection agreements approved by the Commission, pursuant to the Michigan*

Telecommunications Act, the Telecommunications Act of 1996, and other relevant authority, MPSC Case No. U-14303, Verizon v. FCC, et. al, 535 U.S. 467 (2002); USTA, et. al v. FCC, 290 F.3d 415 (D.C. Cir. 2002) and following remand and appeal, USTA v. FCC, 359 F.3d 554 (D.C. Cir. 2004); the FCC's Triennial Review Order (rel. Aug. 21, 2003) including, without limitation, the FCC's MDU Reconsideration Order (FCC 04-191) (rel. Aug. 9, 2004) and the FCC's Order on Reconsideration (FCC 04-248) (rel. Oct. 18, 2004); and the FCC's Order on Remand and Report and Order in CC Dockets No. 96-98 and 99-68, 16 FCC Rcd 9151 (2001), (rel. April 27, 2001), which was remanded in WorldCom, Inc. v. FCC, 288 F.3d 429 (D.C. Cir. 2002); and the FCC's Order on Remand (FCC 04-290), WC Docket No. 04-312 and CC Docket No. 01-338 (rel. Feb. 4, 2005) .

7. MISCELLANEOUS

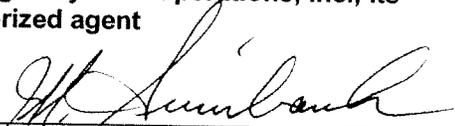
- 7.1 This Amendment may be executed in counterparts, each of which shall be deemed an original but all of which when taken together shall constitute a single Amendment.
- 7.2 This Amendment constitutes the entire amendment of the Agreement and supersedes all previous proposals, both verbal and written.

IN WITNESS WHEREOF, each Party has caused this Amendment to be executed by its duly authorized representative.

MCImetro Access Transmission Services LLC

**Michigan Bell Telephone Company d/b/a SBC
Michigan by SBC Operations, Inc., its
authorized agent**

By: 

By: 

Printed: Michael A. Beach

Printed: Mike Auinbauh

Title: Vice President, Carrier Management

Title: ~~AVP~~ AVP-Local Interconnection Marketing

Date: 4/8/05

Date: APR 18 2005

FACILITIES-BASED OCN # _____

ACNA _____

ATTACHMENT A: MICHIGAN PRICE SCHEDULE

	SBC MI	SBC Michigan	
	Recurring	Non-Recurring	Disconnect
		Connect	
Unbundled Loops			
2W Analog Basic - Access Area A	\$ 9.13		
2W Analog Basic - Access Area B	\$ 10.77		
2W Analog Basic - Access Area C	\$ 14.20		
2W Analog PBX Grd Start - Access Area A	\$ 9.26		
2W Analog PBX Grd Start - Access Area B	\$ 11.05		
2W Analog PBX Grd Start - Access Area C	\$ 14.47		
2W Analog COPTS Coin - Access Area A	\$ 9.45		
2W Analog COPTS Coin - Access Area B	\$ 11.32		
2W Analog COPTS Coin - Access Area C	\$ 14.72		
2W Analog EKL - Access Area A	\$ 10.35		
2W Analog EKL - Access Area B	\$ 12.57		
2W Analog EKL - Access Area C	\$ 15.88		
4W Analog - Access Area A	\$ 21.83		
4W Analog - Access Area B	\$ 26.66		
4W Analog - Access Area C	\$ 33.16		
DIGITAL			
2W Digital ISDN-BRI - Access Area A	\$ 12.66		
2W Digital ISDN-BRI - Access Area B	\$ 16.22		
2W Digital ISDN-BRI - Access Area C	\$ 19.93		
4W Digital - Access Area A	\$ 40.65		
4W Digital - Access Area B	\$ 44.01		
4W Digital - Access Area C	\$ 51.71		
DS3 Loop - Access Area A	\$ 321.94		
DS3 Loop - Access Area B	\$ 379.38		
DS3 Loop - Access Area C	\$ 479.37		
xDSL Capable loops			
PSD 1-5 and 7			
2W ADSL/HDSL Compatible - Access Area A	\$ 9.51		
2W ADSL/HDSL Compatible - Access Area B	\$ 11.42		
2W ADSL/HDSL Compatible - Access Area C	\$ 17.02		
PSD 3			
4W HDSL Compatible - Access Area A	\$ 17.51		
4W HDSL Compatible - Access Area B	\$ 20.96		
4W HDSL Compatible - Access Area C	\$ 32.35		
IDSL-Loops			
IDSL Loop Access Area A - Metro	\$ 12.66		
IDSL Loop Access Area B - Suburban	\$ 16.22		
IDSL Loop Access Area C - Rural	\$ 19.93		
High Frequency Portion of the Loop			
HFPL Loop - Access Area A	\$ 4.75		
HFPL Loop - Access Area B	\$ 5.71		
HFPL Loop - Access Area C	\$ 8.51		
OSS Modification	\$ -		
Cross Connect Configuration - Company Owned	\$ 0.45	\$ 11.46	\$ 11.46
Cross Connect Configuration - CLEC Owned		\$ 11.46	\$ 11.46
Cross Connect Configuration - CLEC Owned - Non-Integrated	\$ 0.45		
Company-Owned Splitter - Line at a time	\$ 1.33		
Company-Owned Splitter - Shelf at a time			
HFPL Service Order Charges			
Installation		\$ 3.62	\$ 1.77
Subsequent		\$ 3.46	\$ -
Record Order		\$ 2.13	\$ -
Loop NRC			
Service Ordering Charge - Analog Loops - Initial - Per Occasion		\$ 3.62	\$ 1.77
Service Ordering Charge - Analog Loops - Subsequent - Per Occasion		\$ 3.46	
Service Ordering Charge - Analog Loops - Record Work Only - Per Occasion		\$ 2.13	
Service Ordering -(DS0) - Administrative Charge		\$ -	\$ -
Service Provisioning (DS0)		\$ -	\$ -
Service Ordering -(DS1) - Administrative Charge		\$ 3.54	\$ 2.13
Service Provisioning (DS1) (both UNE-L and new UNE-P)		\$ 63.95	\$ 41.42
Service Ordering -(DS3) - Administrative Charge		\$ 3.54	\$ 2.13
Service Provisioning (DS3) (both UNE-L and new UNE-P)		\$ 91.29	\$ 31.48
Line Connection Charge - Analog Loop - Per Termination (both UNE-L and new UNE-P)		\$ 20.43	\$ 6.71
Service Coordination Fee - Per carrier bill, per central office	\$ 5.39		

	SBC MI Recurring	SBC Michigan Non-Recurring Connect	Disconnect
<u>Cancellation OR Change Service Charge, PER LAST CRITICAL DATE REACHED</u>			
<u>ANALOG LOOPS</u>			
Service Order Portion to be applied to each critical date below		\$ 0.36	\$ -
Design Layout report date		\$ -	\$ -
Records Issue Date		\$ -	\$ -
Designed, Verified and Assigned Date		\$ 7.76	\$ -
Plant Test Date		\$ 52.27	\$ -
<u>DS0</u>			
<u>DIGITAL LOOPS</u>			
Service Order Portion to be applied to each critical date below		\$ 0.36	\$ -
Design Layout report date		\$ -	\$ -
Records Issue Date		\$ -	\$ -
Designed, Verified and Assigned Date		\$ -	\$ -
Plant Test Date		\$ -	\$ -
<u>DS1</u>			
Service Order Portion to be applied to each critical date below		\$ 2.38	\$ -
Design Layout report date		\$ 15.04	\$ -
Records Issue Date		\$ 15.04	\$ -
Designed, Verified and Assigned Date		\$ 45.33	\$ -
Plant Test Date		\$ 65.75	\$ -
<u>DS3</u>			
Service Order Portion to be applied to each critical date below		\$ 2.38	\$ -
Design Layout report date		\$ 16.05	\$ -
Records Issue Date		\$ 16.05	\$ -
Designed, Verified and Assigned Date		\$ 43.27	\$ -
Plant Test Date		\$ 66.14	\$ -
<u>Due Date Change Charge, PER ORDER PER OCCASION</u>			
Analog Loop		\$ 3.62	\$ -
Digital DS0		\$ 0.26	\$ -
Digital DS1		\$ 0.55	\$ -
Digital DS3		\$ 0.55	\$ -
<u>Subloops</u>			
MDF to ECS subloop charge 2-Wire Analog Area A (Metro)	\$ 6.98		
MDF to ECS subloop charge 2-Wire Analog Area B (Suburban)	\$ 6.85		
MDF to ECS subloop charge 2-Wire Analog Area C (Rural)	\$ 7.54		
MDF to SAI subloop charge 2-Wire Analog Area A (Metro)	\$ 5.06		
MDF to SAI subloop charge 2-Wire Analog Area B (Suburban)	\$ 5.86		
MDF to SAI subloop charge 2-Wire Analog Area C (Rural)	\$ 6.08		
MDF to Terminal subloop charge 2-Wire Analog Area A (Metro)	\$ 7.46		
MDF to Terminal subloop charge 2-Wire Analog Area B (Suburban)	\$ 8.96		
MDF to Terminal subloop charge 2-Wire Analog Area C (Rural)	\$ 12.16		
ECS to SAI subloop charge 2-Wire Analog Area A (Metro)	\$ 1.10		
ECS to SAI subloop charge 2-Wire Analog Area B (Suburban)	\$ 1.04		
ECS to SAI subloop charge 2-Wire Analog Area C (Rural)	\$ 1.10		
ECS to Terminal subloop charge 2-Wire Analog Area A (Metro)	\$ 3.50		
ECS to Terminal subloop charge 2-Wire Analog Area B (Suburban)	\$ 4.14		
ECS to Terminal subloop charge 2-Wire Analog Area C (Rural)	\$ 7.17		
ECS to NID subloop charge 2-Wire Analog Area A (Metro)	\$ 5.17		
ECS to NID subloop charge 2-Wire Analog Area B (Suburban)	\$ 5.95		
ECS to NID subloop charge 2-Wire Analog Area C (Rural)	\$ 9.21		
SAI to Terminal subloop charge 2-Wire Analog Area A (Metro)	\$ 2.90		
SAI to Terminal subloop charge 2-Wire Analog Area B (Suburban)	\$ 3.55		
SAI to Terminal subloop charge 2-Wire Analog Area C (Rural)	\$ 6.55		
SAI to NID subloop charge 2-Wire Analog Area A (Metro)	\$ 4.57		
SAI to NID subloop charge 2-Wire Analog Area B (Suburban)	\$ 5.35		
SAI to NID subloop charge 2-Wire Analog Area C (Rural)	\$ 8.59		
Terminal to NID subloop charge 2-Wire Analog Area A (Metro)	\$ 2.13		
Terminal to NID subloop charge 2-Wire Analog Area B (Suburban)	\$ 2.28		
Terminal to NID subloop charge 2-Wire Analog Area C (Rural)	\$ 2.56		
MDF to ECS subloop charge 4-Wire Analog Area A (Metro)	\$ 28.02		
MDF to ECS subloop charge 4-Wire Analog Area B (Suburban)	\$ 26.45		
MDF to ECS subloop charge 4-Wire Analog Area C (Rural)	\$ 27.69		
MDF to SAI subloop charge 4-Wire Analog Area A (Metro)	\$ 15.96		
MDF to SAI subloop charge 4-Wire Analog Area B (Suburban)	\$ 19.54		
MDF to SAI subloop charge 4-Wire Analog Area C (Rural)	\$ 19.80		
MDF to Terminal subloop charge 4-Wire Analog Area A (Metro)	\$ 20.18		
MDF to Terminal subloop charge 4-Wire Analog Area B (Suburban)	\$ 25.04		
MDF to Terminal subloop charge 4-Wire Analog Area C (Rural)	\$ 31.08		

	SBC MI Recurring	SBC Michigan Non-Recurring	
		Connect	Disconnect
ECS to SAI subloop charge 4-Wire Analog Area A (Metro)	\$ 2.11		
ECS to SAI subloop charge 4-Wire Analog Area B (Suburban)	\$ 2.00		
ECS to SAI subloop charge 4-Wire Analog Area C (Rural)	\$ 2.11		
ECS to Terminal subloop charge 4-Wire Analog Area A (Metro)	\$ 6.33		
ECS to Terminal subloop charge 4-Wire Analog Area B (Suburban)	\$ 7.50		
ECS to Terminal subloop charge 4-Wire Analog Area C (Rural)	\$ 13.39		
ECS to NID subloop charge 4-Wire Analog Area A (Metro)	\$ 7.97		
ECS to NID subloop charge 4-Wire Analog Area B (Suburban)	\$ 9.12		
ECS to NID subloop charge 4-Wire-Analog Area C (Rural)	\$ 15.47		
SAI to Terminal subloop charge 4-Wire Analog Area A (Metro)	\$ 5.17		
SAI to Terminal subloop charge 4-Wire Analog Area B (Suburban)	\$ 6.36		
SAI to Terminal subloop charge 4-Wire Analog Area C (Rural)	\$ 12.19		
SAI to NID subloop charge 4-Wire Analog Area A (Metro)	\$ 6.81		
SAI to NID subloop charge 4-Wire Analog Area B (Suburban)	\$ 7.98		
SAI to NID subloop charge 4-Wire Analog Area C (Rural)	\$ 14.27		
Terminal to NID subloop charge 4-Wire Analog Area A (Metro)	\$ 2.13		
Terminal to NID subloop charge 4-Wire Analog Area B (Suburban)	\$ 2.07		
Terminal to NID subloop charge 4-Wire Analog Area C (Rural)	\$ 2.69		
MDF to ECS subloop charge 2-Wire DSL Area A (Metro)	\$ 5.04		
MDF to ECS subloop charge 2-Wire DSL Area B (Suburban)	\$ 5.81		
MDF to ECS subloop charge 2-Wire DSL Area C (Rural)	\$ 9.37		
MDF to SAI subloop charge 2-Wire DSL Area A (Metro)	\$ 5.30		
MDF to SAI subloop charge 2-Wire DSL Area B (Suburban)	\$ 6.34		
MDF to SAI subloop charge 2-Wire DSL Area C (Rural)	\$ 9.11		
MDF to Terminal subloop charge 2-Wire DSL Area A (Metro)	\$ 7.78		
MDF to Terminal subloop charge 2-Wire DSL Area B (Suburban)	\$ 9.55		
MDF to Terminal subloop charge 2-Wire DSL Area C (Rural)	\$ 15.03		
ECS to SAI subloop charge 2-Wire DSL Area A (Metro)	\$ 1.07		
ECS to SAI subloop charge 2-Wire DSL Area B (Suburban)	\$ 0.99		
ECS to SAI subloop charge 2-Wire DSL Area C (Rural)	\$ 1.04		
ECS to Terminal subloop charge 2-Wire DSL Area A (Metro)	\$ 3.55		
ECS to Terminal subloop charge 2-Wire DSL Area B (Suburban)	\$ 4.21		
ECS to Terminal subloop charge 2-Wire DSL Area C (Rural)	\$ 6.96		
ECS to NID subloop charge 2-Wire DSL Area A (Metro)	\$ 5.27		
ECS to NID subloop charge 2-Wire DSL Area B (Suburban)	\$ 6.07		
ECS to NID subloop charge 2-Wire-DSL Area C (Rural)	\$ 8.95		
SAI to Terminal subloop charge 2-Wire DSL Area A (Metro)	\$ 2.95		
SAI to Terminal subloop charge 2-Wire DSL Area B (Suburban)	\$ 3.61		
SAI to Terminal subloop charge 2-Wire DSL Area C (Rural)	\$ 6.34		
SAI to NID subloop charge 2-Wire DSL Area A (Metro)	\$ 4.67		
SAI to NID subloop charge 2-Wire DSL Area B (Suburban)	\$ 5.48		
SAI to NID subloop charge 2-Wire DSL Area C (Rural)	\$ 8.33		
Terminal to NID subloop charge 2-Wire DSL Area A (Metro)	\$ 2.20		
Terminal to NID subloop charge 2-Wire DSL Area B (Suburban)	\$ 2.36		
Terminal to NID subloop charge 2-Wire DSL Area C (Rural)	\$ 2.50		
Sub-Loops (continued)			
MDF to ECS subloop charge 4-Wire DSL Area A (Metro)	\$ 10.09		
MDF to ECS subloop charge 4-Wire DSL Area B (Suburban)	\$ 11.63		
MDF to ECS subloop charge 4-Wire DSL Area C (Rural)	\$ 18.74		
MDF to SAI subloop charge 4-Wire DSL Area A (Metro)	\$ 10.98		
MDF to SAI subloop charge 4-Wire DSL Area B (Suburban)	\$ 13.06		
MDF to SAI subloop charge 4-Wire DSL Area C (Rural)	\$ 18.55		
MDF to Terminal subloop charge 4-Wire DSL Area A (Metro)	\$ 15.68		
MDF to Terminal subloop charge 4-Wire DSL Area B (Suburban)	\$ 19.16		
MDF to Terminal subloop charge 4-Wire DSL Area C (Rural)	\$ 30.19		
ECS to SAI subloop charge 4-Wire DSL Area A (Metro)	\$ 2.12		
ECS to SAI subloop charge 4-Wire DSL Area B (Suburban)	\$ 1.96		
ECS to SAI subloop charge 4-Wire DSL Area C (Rural)	\$ 2.05		
ECS to Terminal subloop charge 4-Wire DSL Area A (Metro)	\$ 6.82		
ECS to Terminal subloop charge 4-Wire DSL Area B (Suburban)	\$ 8.06		
ECS to Terminal subloop charge 4-Wire DSL Area C (Rural)	\$ 13.69		
ECS to NID subloop charge 4-Wire DSL Area A (Metro)	\$ 8.65		
ECS to NID subloop charge 4-Wire DSL Area B (Suburban)	\$ 9.86		
ECS to NID subloop charge 4-Wire-DSL Area C (Rural)	\$ 15.84		
SAI to Terminal subloop charge 4-Wire DSL Area A (Metro)	\$ 5.66		
SAI to Terminal subloop charge 4-Wire DSL Area B (Suburban)	\$ 6.92		
SAI to Terminal subloop charge 4-Wire DSL Area C (Rural)	\$ 12.49		
SAI to NID subloop charge 4-Wire DSL Area A (Metro)	\$ 7.49		
SAI to NID subloop charge 4-Wire DSL Area B (Suburban)	\$ 8.72		
SAI to NID subloop charge 4-Wire DSL Area C (Rural)	\$ 14.64		
Terminal to NID subloop charge 4-Wire DSL Area A (Metro)	\$ 2.37		

	SBC MI	SBC Michigan	
		Recurring	Non-Recurring
		Connect	Disconnect
Terminal to NID subloop charge 4-Wire DSL Area B (Suburban)	\$ 2.29		
Terminal to NID subloop charge 4-Wire DSL Area C (Rural)	\$ 2.78		
MDF to ECS Subloop Charge 2-Wire ISDN Area A (Metro)	\$ 16.21		
MDF to ECS Subloop Charge 2-Wire ISDN Area B (Suburban)	\$ 16.32		
MDF to ECS Subloop Charge 2-Wire ISDN Area C (Rural)	\$ 18.10		
MDF to SAI subloop charge 2-Wire ISDN Area A (Metro)	\$ 8.86		
MDF to SAI Subloop Charge 2-Wire ISDN Area B (Suburban)	\$ 11.65		
MDF to SAI Subloop Charge 2-Wire ISDN Area C (Rural)	\$ 12.45		
MDF to Terminal subloop charge 2-Wire ISDN Area A (Metro)	\$ 11.10		
MDF to Terminal Subloop Charge 2-Wire ISDN Area B (Suburban)	\$ 14.54		
MDF to Terminal Subloop Charge 2-Wire ISDN Area C (Rural)	\$ 18.05		
MDF to RT Subloop Charge 4-Wire DS1 Area A (Metro)	\$ 63.61		
MDF to RT Subloop Charge 4-Wire DS1 Area B (Suburban)	\$ 65.75		
MDF to RT Subloop Charge 4-Wire DS1 Area C (Rural)	\$ 69.25		
MDF to RT Subloop Charge-DS3 Area A (Metro)	\$ 320.21		
MDF to RT Subloop Charge-DS3 Area B (Suburban)	\$ 374.10		
MDF to RT Subloop Charge-DS3 Area C (Rural)	\$ 467.37		
Sub-Loop Non-Recurring Charges			
Service Order Charge			
Establish, per occasion		\$ 3.62	\$ 2.13
Add or change, per occasion		\$ 3.54	\$ -
Provisioning			
2-wire Analog		\$ 20.20	\$ 6.71
4-wire Analog		\$ 20.20	\$ 6.71
2-wire DSL		\$ 20.20	\$ 6.71
4-wire DSL		\$ 20.20	\$ 6.71
2-wire ISDN		\$ 20.20	\$ 6.71
2-wire DS1		\$ 146.76	\$ 52.02
DS3		\$ 162.48	\$ 64.68
Loop Qualification			
Manual Loop Qualification		\$ -	
Mechanized Loop Qualification		\$ -	
Loop Conditioning - For Loop Facilities			
For Loop Facilities > 12 kft and < 17.5 kft			
- Remove Load Coils		\$ -	
- Remove Bridged Taps		\$ -	
- Restore Bridged Taps		\$ -	
- Remove Repeater		\$ -	
- Remove Load Coils & Bridged Taps		\$ -	
- Restore Load Coils & Bridged Taps		\$ -	
- Remove Bridged Taps & Repeater		\$ -	
- Restore Bridged Taps & Repeater		\$ -	
For Loop Facilities > 17.5 kft			
- Remove Load Coil		\$ -	
- Remove Bridged Tap		\$ -	
- Restore Bridged Tap		\$ -	
- Remove Repeater		\$ -	
- Remove Load Coil & Bridged Tap		\$ -	
- Restore Load Coil & Bridged Tap		\$ -	
- Remove Bridged Tap & Repeater		\$ -	
- Restore Bridged Tap & Repeater		\$ -	
Subloop Conditioning - For subloop Facilities			
For subloop Facilities > 12 kft and < 17.5 kft			
- Remove Load Coils		\$ -	
- Remove Bridged Taps		\$ -	
- Restore Bridged Taps		\$ -	
- Remove Repeater		\$ -	
- Remove Load Coils & Bridged Taps		\$ -	
- Restore Load Coils & Bridged Taps		\$ -	
- Remove Bridged Taps & Repeater		\$ -	
- Restore Bridged Taps & Repeater		\$ -	
For subloop Facilities > 17.5 kft			
- Remove Load Coil		\$ -	
- Remove Bridged Tap		\$ -	
- Restore Bridged Tap		\$ -	
- Remove Repeater		\$ -	
- Remove Load Coil & Bridged Tap		\$ -	

	SBC MI	SBC Michigan	
	Recurring	Non-Recurring	Disconnect
- Restore Load Coil & Bridged Tap		\$ -	
- Remove Bridged Tap & Repeater		\$ -	
- Restore Bridged Tap & Repeater		\$ -	
Unbundled Local Switching (ULS) (Stand-Alone)			
ULS Switch Usage (over 1,622 MOU), per MOU or fraction thereof	\$ 0.000017		
Unbundled Local Switching (Stand Alone)			
Basic Line Port	\$ 3.46	\$ 13.63	\$ 7.60
Ground Start Line Port	\$ 3.46	\$ 13.63	\$ 7.60
ISDN-Direct Port	\$ 6.66	\$ 46.68	\$ 24.97
per Telephone Number	\$ -		
DID Trunk Port	\$ 16.92	\$ 39.03	\$ 22.44
per Telephone Number	\$ -		
DID Trunk Port-add/rearrange each termination	\$ -	\$ 16.08	\$ -
ISDN Prime Trunk Port	\$ 127.87	\$ 79.61	\$ 42.52
per Telephone Number	\$ -		
ISDN Prime Trunk Port-add/rearrange channels	\$ -	\$ 16.08	\$ -
Digital Trunking Trunk Port (DS1)	\$ 92.02	\$ 57.33	\$ 24.97
Unbundled Local Switching (ULS) Trunk Port	\$ 92.02	\$ 106.37	\$ 84.41
Centrex Basic Line Port	\$ 3.46	\$ 13.63	\$ 7.60
Centrex ISDN Line Port	\$ 6.66	\$ 46.68	\$ 24.97
Centrex EKL Line Port	\$ 4.85	\$ 46.68	\$ 24.97
Centrex Attendant Console Line Port	\$ 7.98	\$ 46.68	\$ 24.97
Conversion Charge, per Order (change from one type of line-port to another)		\$ 0.15	\$ -
Provisioning of message detail per record	\$ 0.000383		
Port Feature Add / Change Translation Charge			
Initial (1st) feature per port, per order:			
Basic		\$ 0.10	\$ 0.10
Ground Start / PBX		\$ 0.08	\$ 0.08
ISDN Direct		\$ 0.14	\$ 0.14
DID Trunk		\$ -	\$ -
ISDN Prime		\$ 13.07	\$ 12.68
Digital Trunking		\$ 8.25	\$ 8.25
ULS Trunk		\$ 8.25	\$ 8.25
Cancellation or Change (Provisioning) Charge per last critical date reached			
BASIC LINE PORT			
Service Order Portion to be applied to each critical date below		\$ 0.26	
Design Layout Report Date		\$ -	
Records Issue Date		\$ -	
Designed, Verified and Assigned Date		\$ 17.09	
Plant Test Date		\$ 17.09	
Complex Line Port			
Service Order Portion to be applied to each critical date below		\$ 3.38	
Design Layout Report Date		\$ -	
Records Issue Date		\$ -	
Designed, Verified and Assigned Date		\$ 6.30	
Plant Test Date		\$ 20.29	
Cancellation or Change (Provisioning) Charge per last critical date reached			
(continued)			
DS1 Trunk Port			
Service Order Portion to be applied to each critical date below		\$ 3.38	
Design Layout Report Date		\$ -	
Records Issue Date		\$ -	
Designed, Verified and Assigned Date		\$ 13.74	
Plant Test Date		\$ 179.75	
New Line Class Code			
Translations: writing, accepting, and testing		\$ 246.09	
Plant Test Date		\$ 259.04	
New Network Routing			
Translations: writing, accepting, and testing		\$ 28.06	
Plant Test Date		\$ 28.06	
Due date change charge per order per occasion			
Basic Line Port		\$ 3.46	
Trunk Port		\$ 0.76	
Complex Line Port		\$ 0.76	

	SBC MI Recurring	SBC Michigan Non-Recurring Connect	Disconnect
Unbundled Tandem Switch Trunk Port (DS1)			
Initial Charge (per DS1)		\$ 120.08	\$ 21.97
DS1 Tandem Trunk Port Change - per port		\$ 16.08	
Service Charge per order		\$ 52.70	\$ 1.75
Cancellation or Change Service Charge per last critical date reached			
DS1 Tandem Trunk Port			
Service Order Portion to be applied to each critical date below		\$ 2.06	
Design Layout Report Date		\$ -	
Records Issue Date		\$ -	
Designed, Verified and Assigned Date		\$ -	
Plant Test Date		\$ 43.59	
Tandem Trunk Port Due Date Change Charge, per order per occasion		\$ 0.57	
ULS-ST Usage rates PER MOU			
ULS Switch Usage per MOU (for ULS-ST)	\$ -		
ULS-ST Blended Transport Usage	\$ 0.001321		
ULS-ST Common Transport Usage	\$ 0.000831		
ULS-ST Tandem Switching Usage	\$ 0.000198		
ULS-ST Reciprocal Compensation - Setup	\$ -		
ULS-ST Reciprocal Compensation - MOU	\$ -		
ULS-ST SS7 Signalling Transport	\$ 0.000969		
Stand-Alone ULS and ULS-ST Service Coordination Fee - Per carrier bill, per switch	\$ 5.39		
Unbundled Tandem Switch Trunk Port (DS1)			
Usage (without tandem trunk ports) per mou	\$ 0.000238		
Cross-Connects			
2-Wire	\$ 0.13		
4-Wire	\$ 0.27		
6-Wire	\$ 0.40		
8-Wire	\$ 0.54		
DS1	\$ 16.46		
DS3	N/A		
OC-3	\$ 1.05		
OC-12	\$ 1.05		
OC-48	\$ 1.05		
Centrex System Charges			
Centrex Common Block Establishment, each		\$ 91.75	\$ 71.17
Centrex System Features Change or Rearrangement, per feature, per occasion		\$ 72.98	\$ -
Centrex System Feature Activation, per feature, per occasion		\$ 42.12	\$ 74.11
Service Ordering Charges			
Service Ordering - Initial - Basic Port		\$ 3.46	\$ 1.77
Service Ordering - Initial - Complex Port		\$ 34.49	\$ 8.60
Service Ordering - Initial - ULS Trunk Port		\$ 73.38	\$ 1.75
Service Ordering - Record Order - Basic Port		\$ 2.13	\$ -
Service Ordering - Record Order - Complex Port		\$ 2.13	\$ -
Service Ordering - Record Order - ULS Trunk Port		\$ 2.13	\$ -
Service Ordering - Subsequent - Basic Port		\$ 3.65	\$ -
Service Ordering - Subsequent - Complex Port		\$ 5.04	\$ -
Service Ordering - Subsequent - ULS Trunk Port		\$ 5.04	\$ -
ULS Billing Establishment, per carrier (6/7/2002 replaces rate element ULS Billing Est., per carrier, per switch)		\$ 2,263.71	
Custom Routing			
Custom Routing, via LCC - New LCC, per LCC, per switch		\$ 259.04	\$ -
Custom Routing, via LCC - New Network Routing, per route, per switch		\$ 28.09	\$ 27.58
Custom Routing, via AIN, of OS / DA per route, per switch		\$ 28.09	\$ 28.09
UNE - P Service Order NRC Charge			
POTS Electronic		\$ 0.40	\$ 0.18
POTS Manual		\$ 23.16	\$ 11.37
Non-POTS Electronic		\$ 39.30	\$ 1.39
Non-POTS Manual		\$ 42.98	\$ 15.14
New UNE-P Port Connection/Disconnection			
Basic Line Port		\$ 0.14	\$ 0.14
Ground Start Line Port		\$ 0.14	\$ 0.14
ISDN-Direct Port		\$ 7.57	\$ 7.57
DID Trunk Port		\$ 17.95	\$ 13.12

	SBC MI Recurring	SBC Michigan Non-Recurring	
		Connect	Disconnect
ISDN Prime Trunk Port		\$ 65.52	\$ 35.02
Digital Trunking Trunk Port		\$ 43.56	\$ 14.36
ULS Trunk Port		\$ 43.56	\$ 14.36
Centrex Basic Line Port		\$ 0.14	\$ 0.14
Centrex ISDN Line Port		\$ 7.57	\$ 7.57
Centrex EKL Line Port		\$ 3.92	\$ 3.92
Centrex Attendant Console Line Port		\$ 0.41	\$ 0.41
Unbundled Directory Assistance			
Information Call Completion	\$ 0.004099		
Directory Assistance / per occurrence	\$ 0.248852		
Branding Cost per call	\$ 0.003090		
Branding, per switch, initial load (same branding announcement)		\$ 1,098.67	
Branding, per switch, subsequent load (same branding announcement)		\$ 143.75	
Unbundled Operator Services			
Manual Call Assistance (NO LIDB VALIDATION) PER OCCURANCE	\$ 0.276712		
Manual Call Assistance (LIDB VALIDATION) PER OCCURANCE	\$ 0.277175		
Automated Call Assistance per Occurrence	\$ 0.017312		
Busy Line Verification	\$ 0.641135		
Busy Line Verification Interrupt	\$ 0.734555		
Branding Cost per call	\$ 0.003090		
Branding, per switch, initial load (same branding announcement)		\$ 1,098.67	
Branding, per switch, subsequent load (same branding announcement)		\$ 143.75	
Directory Listing Services			
Initial Load per listing	\$ 0.010794		
Update per listing	\$ 0.010794		
Update per month	\$ 919.70		
Distribute tape to customer per customer - Monthly	\$ 77.00		
Set up per customer		\$ 495.08	
Access to SS7			
Signal Transfer Point, per port	\$ 251.91	\$ 957.41	\$ 154.13
Signal Switching, per ISUP message PER IAM	\$ 0.000077		
Signal Switching, per TCAP message	\$ 0.000060		
Signal Transport, per ISUP message PER IAM	\$ 0.000055		
Signal Transport, per TCAP message	\$ 0.000037		
Signal Formulation, per ISUP message PER IAM	\$ 0.000245		
Signal Formulation, per TCAP message	\$ 0.000126		
Signal Tandem Switching, per ISUP message	\$ 0.000132		
Originating Point Code, per service added or changed		\$ 190.81	\$ 125.53
Global Title Address Translation, per service added or changed		\$ 130.04	\$ 126.95
SS7 Links - Service Order Charge, per Request		\$ 11.37	\$ 4.85
Access to 800 Database			
<u>Database Query Using Ameritech Provided Facilities</u>			
800DB Call-Routing Query	\$ 0.000956		
800DB Routing Options Query	\$ 0.000039		
<u>Local STP Database Query Utilizing Carrier Provided</u>			
Facilities between the Carrier's Switch and Ameritech's STP and Ameritech Provided			
<u>Facilities between Ameritech's STP and Ameritech's Regional STP</u>			
800DB Carrier-ID-Only Query	\$ 0.000870		
800DB Routing Options Query	\$ 0.000039		
<u>Regional STP Database Query Utilizing Carrier Provided Facilities</u>			
800DB Carrier-ID-Only Query	\$ 0.000994		
800DB Routing Options Query	\$ 0.000039		
Access to LIDB Database			
LIDB Query at local STP			
LIDB Validation Query	\$ 0.005955		
LIDB Transport Query	\$ 0.000090		
LIDB Query at regional STP			
LIDB Validation Query	\$ 0.005955		
LIDB Transport Query	\$ 0.000002		
Service Order -		\$ 28.66	\$ -
Service Establishment (reference Point Code Activation in SS7 Section)		\$ -	\$ -
CNAM Database			
CNAM Database Query	\$ 0.008476		

	SBC MI	SBC Michigan	
	Recurring	Non-Recurring	Disconnect
Unbundled Transport			
DS1 UDT Rates			
DS1 Entrance Facility - Terminating Bit Rate 1.544 Mbps - Per Point of Termination-Zone 1	\$ 32.36		
DS1 Entrance Facility - Terminating Bit Rate 1.544 Mbps - Per Point of Termination-Zone 2	\$ 31.44		
DS1 Entrance Facility - Terminating Bit Rate 1.544 Mbps - Per Point of Termination-Zone 3	\$ 29.05		
DS1 Interoffice Termination - 1.544 Mbps - Per Point of Termination - Zone 1	\$ 12.39		
DS1 Interoffice Termination - 1.544 Mbps - Per Point of Termination - Zone 2	\$ 12.28		
DS1 Interoffice Termination - 1.544 Mbps - Per Point of Termination - Zone 3	\$ 13.17		
DS1 Interoffice Termination - 1.544 Mbps - Per Point of Termination - InterZone	\$ 13.36		
DS1 Interoffice Mileage - 1.544 Mbps - Per Mile - Zone 1	\$ 0.69		
DS1 Interoffice Mileage - 1.544 Mbps - Per Mile - Zone 2	\$ 0.77		
DS1 Interoffice Mileage - 1.544 Mbps - Per Mile - Zone 3	\$ 0.50		
DS1 Interoffice Mileage - 1.544 Mbps - Per Mile - InterZone	\$ 0.20		
Interconnection Central Office Multiplexing - DS1 to Voice - Zone 1	\$ 280.24		
Interconnection Central Office Multiplexing - DS1 to Voice - Zone 2	\$ 280.24		
Interconnection Central Office Multiplexing - DS1 to Voice - Zone 3	\$ 280.24		
Clear Channel Capability - Per 1.544 Mbps Circuit Arranged - Zone 1		\$ 75.28	\$ -
Clear Channel Capability - Per 1.544 Mbps Circuit Arranged - Zone 2		\$ 75.28	\$ -
Clear Channel Capability - Per 1.544 Mbps Circuit Arranged - Zone 3		\$ 75.28	\$ -
DS1 EF NRC Zone 1		\$ 160.97	\$ 62.69
DS1 EF NRC zone 2		\$ 160.97	\$ 62.69
DS1 EF NRC zone 3		\$ 160.97	\$ 62.69
DS1 IOF NRC Zone 1		\$ 57.80	\$ 22.70
DS1 IOF NRC zone 2		\$ 57.80	\$ 22.70
DS1 IOF NRC zone 3		\$ 57.80	\$ 22.70
Installation and Rearrangement - Administration Charge, per order, Zone 1, 2, 3		\$ 3.14	\$ 2.13
Cancellation or Change Service Charge, per last critical date reached.			
DS1			
Service Order Portion to be applied to each critical date below		\$ 2.07	
Design Layout Report Date		\$ 21.09	
Records Issue Date		\$ 21.09	
Designed, Verified and Assigned Date		\$ 31.63	
Plant Test Date		\$ 59.16	
Due date Change Charge, per order or occasion			
DS1		\$ 0.43	
DS3		\$ 0.43	
OC-3, OC-12, OC-48		\$ 0.43	
DS3 UDT Rates			
DS3 Entrance Facility - DS3 With Electrical Interface - Per Point of Termination-Zone 1	\$ 201.73		
DS3 Entrance Facility - DS3 With Electrical Interface - Per Point of Termination-Zone 2	\$ 255.60		
DS3 Entrance Facility - DS3 With Electrical Interface - Per Point of Termination-Zone 3	\$ 263.92		
DS3 Interoffice Mileage Termination - Per Point of Termination - Zone 1	\$ 129.82		
DS3 Interoffice Mileage Termination - Per Point of Termination - Zone 2	\$ 114.98		
DS3 Interoffice Mileage Termination - Per Point of Termination - Zone 3	\$ 110.02		
DS3 Interoffice Mileage Termination - Per Point of Termination - InterZone	\$ 121.50		
DS3 Interoffice Mileage - Per Mile - Zone 1	\$ 6.20		
DS3 Interoffice Mileage - Per Mile - Zone 2	\$ 3.84		
DS3 Interoffice Mileage - Per Mile - Zone 3	\$ 9.52		
DS3 Interoffice Mileage - Per Mile - InterZone	\$ 3.73		
Interconnection Central Office Multiplexing - DS3 to DS1 - per Arrangement - Zone 1	\$ 414.55		
Interconnection Central Office Multiplexing - DS3 to DS1 - per Arrangement - Zone 2	\$ 414.55		
Interconnection Central Office Multiplexing - DS3 to DS1 - per Arrangement - Zone 3	\$ 414.55		
DS3 EF NRC Zone 1		\$ 160.49	\$ 62.69
DS3 EF NRC zone 2		\$ 160.49	\$ 62.69
DS3 EF NRC zone 3		\$ 160.49	\$ 62.69
DS3 IOF NRC Zone 1		\$ 74.59	\$ 22.70
DS3 IOF NRC zone 2		\$ 74.59	\$ 22.70
DS3 IOF NRC zone 3		\$ 74.59	\$ 22.70
Installation and Rearrangement - Administration Charge, per order, Zone 1, 2, 3		\$ 3.14	\$ 2.13
Cancellation or Change Service Charge, per last critical date reached.			
DS3			
Service Order Portion to be applied to each critical date below		\$ 2.07	
Design Layout Report Date		\$ 20.38	
Records Issue Date		\$ 20.97	
Designed, Verified and Assigned Date		\$ 53.61	
Plant Test Date		\$ 76.53	
OC-3 UDT Rates			
Entrance Facility - Terminating Bit Rate 155.52 Mbps - Per Point of Termination Zone 1	\$ 481.27		
Entrance Facility - Terminating Bit Rate 155.52 Mbps - Per Point of Termination Zone 2	\$ 490.62		

	SBC MI	SBC Michigan	
		Recurring	Non-Recurring
		Connect	
Entrance Facility - Terminating Bit Rate 155.52 Mbps - Per Point of Termination Zone 3	\$ 548.51		
Interoffice Termination - 155.52 Mbps - Per Point of Mileage Termination Zone 1	\$ 459.83		
Interoffice Termination - 155.52 Mbps - Per Point of Mileage Termination Zone 2	\$ 383.08		
Interoffice Termination - 155.52 Mbps - Per Point of Mileage Termination Zone 3	\$ 336.49		
Interoffice Termination - 155.52 Mbps - Per Point of Mileage Termination InterZone	\$ 418.90		
Interoffice Mileage - 155.52 Mbps - Per Mile Zone 1	\$ 18.42		
Interoffice Mileage - 155.52 Mbps - Per Mile Zone 2	\$ 10.82		
Interoffice Mileage - 155.52 Mbps - Per Mile Zone 3	\$ 15.13		
Interoffice Mileage - 155.52 Mbps - Per Mile InterZone	\$ 9.00		
OC-3 Add/Drop Multiplexing, per arrangement All Zones	\$ 300.68		
Add/Drop Function - Per DS3 Add or Drop All Zones	\$ 24.04		
Add/Drop Function - Per DS1 Add or Drop All Zones	\$ 3.84		
1+1 Protection, Per OC-3 Entrance Facility Zone 1	\$ 47.46		
1+1 Protection, Per OC-3 Entrance Facility Zone 2	\$ 47.23		
1+1 Protection, Per OC-3 Entrance Facility Zone 3	\$ 47.23		
1+1 Protection with Cable Survivability, Per OC-3 Entrance Facility Zone 1	\$ 47.46		
1+1 Protection with Cable Survivability, Per OC-3 Entrance Facility Zone 2	\$ 47.23		
1+1 Protection with Cable Survivability, Per OC-3 Entrance Facility Zone 3	\$ 47.23		
Cross Connection of Services OC-3 to OC-3 Cross-Connect, per circuit Zone 1	\$ 1.05		
Cross Connection of Services OC-3 to OC-3 Cross-Connect, per circuit Zone 2	\$ 1.05		
Cross Connection of Services OC-3 to OC-3 Cross-Connect, per circuit Zone 3	\$ 1.05		
1+1 Protection with Route Survivability, Per OC-3 Entrance Facility Zone 1	\$ 479.76		
1+1 Protection with Route Survivability, Per OC-3 Entrance Facility Zone 2	\$ 486.84		
1+1 Protection with Route Survivability, Per OC-3 Entrance Facility Zone 3	\$ 537.46		
1+1 Protection with Route Survivability, Per Quarter Route Mile Zone 1	\$ 0.49		
1+1 Protection with Route Survivability, Per Quarter Route Mile Zone 2	\$ 0.97		
1+1 Protection with Route Survivability, Per Quarter Route Mile Zone 3	\$ 2.44		
OC3 EF NRC Zone 1		\$ 171.82	\$ 62.69
OC3 EF NRC zone 2		\$ 171.82	\$ 62.69
OC3 EF NRC zone 3		\$ 171.82	\$ 62.69
OC3 IOF NRC Zone 1		\$ 85.93	\$ 22.70
OC3 IOF NRC zone 2		\$ 85.93	\$ 22.70
OC3 IOF NRC zone 3		\$ 85.93	\$ 22.70
Installation and Rearrangement - Administration Charge, per order, Zone 1, 2, 3		\$ 3.14	\$ 2.13
Cancellation or Change Service Charge, per last critical date reached.			
OC3, OC12, and OC48			
Service Order Portion to be applied to each critical date below		\$ 2.07	
Design Layout Report Date		\$ 27.11	
Records Issue Date		\$ 27.11	
Designed, Verified and Assigned Date		\$ 59.75	
Plant Test Date		\$ 87.29	
OC-12 UDT Rates			
Entrance Facility - Terminating Bit Rate 622.08 Mbps - Per Point of Termination Zone 1	\$ 1,197.95		
Entrance Facility - Terminating Bit Rate 622.08 Mbps - Per Point of Termination Zone 2	\$ 1,448.30		
Entrance Facility - Terminating Bit Rate 622.08 Mbps - Per Point of Termination Zone 3	\$ 1,719.47		
Interoffice Termination - 622.08 Mbps - Per Point of Mileage Termination Zone 1	\$ 1,262.38		
Interoffice Termination - 622.08 Mbps - Per Point of Mileage Termination Zone 2	\$ 1,076.14		
Interoffice Termination - 622.08 Mbps - Per Point of Mileage Termination Zone 3	\$ 919.56		
Interoffice Termination - 622.08 Mbps - Per Point of Mileage Termination InterZone	\$ 1,112.09		
Interoffice Mileage - 622.08 Mbps - Per Mile Zone 1	\$ 74.45		
Interoffice Mileage - 622.08 Mbps - Per Mile Zone 2	\$ 40.75		
Interoffice Mileage - 622.08 Mbps - Per Mile Zone 3	\$ 64.99		
Interoffice Mileage - 622.08 Mbps - Per Mile InterZone	\$ 38.60		
OC-12 Add/Drop Multiplexing, per arrangement All Zones	\$ 456.32		
Add/Drop Function - Per DS3 Add or Drop All Zones	\$ 20.93		
Add/Drop Function - Per OC-3 Add or Drop All Zones	\$ 64.05		
1+1 Protection, Per OC-12 Entrance Facility Zone 1	\$ 107.43		
1+1 Protection, Per OC-12 Entrance Facility Zone 2	\$ 103.80		
1+1 Protection, Per OC-12 Entrance Facility Zone 3	\$ 103.80		
1+1 Protection with Cable Survivability, Per OC-12 Entrance Facility Zone 1	\$ 107.43		
1+1 Protection with Cable Survivability, Per OC-12 Entrance Facility Zone 2	\$ 103.80		
1+1 Protection with Cable Survivability, Per OC-12 Entrance Facility Zone 3	\$ 103.80		
Cross Connection of Services OC-12 to OC-12 Cross-Connect, per circuit Zone 1	\$ 1.05		
Cross Connection of Services OC-12 to OC-12 Cross-Connect, per circuit Zone 2	\$ 1.05		
Cross Connection of Services OC-12 to OC-12 Cross-Connect, per circuit Zone 3	\$ 1.05		
1+1 Protection with Route Survivability, Per OC-12 Entrance Facility Zone 1	\$ 1,195.46		
1+1 Protection with Route Survivability, Per OC-12 Entrance Facility Zone 2	\$ 1,442.15		
1+1 Protection with Route Survivability, Per OC-12 Entrance Facility Zone 3	\$ 1,707.42		
1+1 Protection with Route Survivability, Per Quarter Route Mile Zone 1	\$ 0.81		
1+1 Protection with Route Survivability, Per Quarter Route Mile Zone 2	\$ 1.58		
1+1 Protection with Route Survivability, Per Quarter Route Mile Zone 3	\$ 2.67		
OC12 EF NRC Zone 1		\$ 171.82	\$ 62.69

	SBC MI Recurring	SBC Michigan Non-Recurring	
		Connect	Disconnect
OC12 EF NRC zone 2		\$ 171.82	\$ 62.69
OC12 EF NRC zone 3		\$ 171.82	\$ 62.69
OC12 IOF NRC Zone 1		\$ 85.93	\$ 22.70
OC12 IOF NRC zone 2		\$ 85.93	\$ 22.70
OC12 IOF NRC zone 3		\$ 85.93	\$ 22.70
Installation and Rearrangement - Administration Charge, per order, Zone 1, 2, 3		\$ 3.14	\$ 2.13
OC-48 UDT Rates			
Entrance Facility - Terminating Bit Rate 2488.32 Mbps - Per Point of Termination Zone 1	\$ 3,937.57		
Entrance Facility - Terminating Bit Rate 2488.32 Mbps - Per Point of Termination Zone 2	\$ 4,711.36		
Entrance Facility - Terminating Bit Rate 2488.32 Mbps - Per Point of Termination Zone 3	\$ 4,719.85		
Interoffice Termination - 2488.32 Mbps - Per Point of Mileage Termination Zone 1	\$ 3,703.43		
Interoffice Termination - 2488.32 Mbps - Per Point of Mileage Termination Zone 2	\$ 4,238.86		
Interoffice Termination - 2488.32 Mbps - Per Point of Mileage Termination Zone 3	\$ 3,172.26		
Interoffice Termination - 2488.32 Mbps - Per Point of Mileage Termination InterZone	\$ 4,582.75		
Interoffice Mileage - 2488.32 Mbps - Per Mile Zone 1	\$ 36.06		
Interoffice Mileage - 2488.32 Mbps - Per Mile Zone 2	\$ 42.83		
Interoffice Mileage - 2488.32 Mbps - Per Mile Zone 3	\$ 73.28		
Interoffice Mileage - 2488.32 Mbps - Per Mile InterZone	\$ 24.84		
OC-48 Add/Drop Multiplexing, per arrangement All Zones	\$ 1,637.00		
Add/Drop Function - Per DS3 Add or Drop All Zones	\$ 24.53		
Add/Drop Function - Per OC-3 Add or Drop All Zones	\$ 182.79		
Add/Drop Function - Per OC-12 Add or Drop All Zones	\$ 105.09		
1+1 Protection, Per OC-48 Entrance Facility Zone 1	\$ 525.47		
1+1 Protection, Per OC-48 Entrance Facility Zone 2	\$ 525.47		
1+1 Protection, Per OC-48 Entrance Facility Zone 3	\$ 525.47		
1+1 Protection with Cable Survivability, Per OC-48 Entrance Facility Zone 1	\$ 525.47		
1+1 Protection with Cable Survivability, Per OC-48 Entrance Facility Zone 2	\$ 525.47		
1+1 Protection with Cable Survivability, Per OC-48 Entrance Facility Zone 3	\$ 525.47		
Cross Connection of Services OC-48 to OC-48 Cross-Connect, per circuit Zone 1	\$ 1.05		
Cross Connection of Services OC-48 to OC-48 Cross-Connect, per circuit Zone 2	\$ 1.05		
Cross Connection of Services OC-48 to OC-48 Cross-Connect, per circuit Zone 3	\$ 1.05		
1+1 Protection with Route Survivability, Per OC-48 Entrance Facility Zone 1	\$ 3,934.69		
1+1 Protection with Route Survivability, Per OC-48 Entrance Facility Zone 2	\$ 4,704.65		
1+1 Protection with Route Survivability, Per OC-48 Entrance Facility Zone 3	\$ 4,708.90		
1+1 Protection with Route Survivability, Per Quarter Route Mile Zone 1	\$ 0.93		
1+1 Protection with Route Survivability, Per Quarter Route Mile Zone 2	\$ 1.72		
1+1 Protection with Route Survivability, Per Quarter Route Mile Zone 3	\$ 2.42		
OC48 EF NRC Zone 1		\$ 171.82	\$ 62.69
OC48 EF NRC zone 2		\$ 171.82	\$ 62.69
OC48 EF NRC zone 3		\$ 171.82	\$ 62.69
OC48 IOF NRC Zone 1		\$ 85.93	\$ 22.70
OC48 IOF NRC zone 2		\$ 85.93	\$ 22.70
OC48 IOF NRC zone 3		\$ 85.93	\$ 22.70
Installation and Rearrangement - Administration Charge, per order, Zone 1, 2, 3		\$ 3.14	\$ 2.13
Unbundled Dark Fiber			
Dark Fiber - Interoffice			
Interoffice Mileage Termination	\$ 25.34		
Interoffice Mileage	\$ 0.002196		
Interoffice Cross Connect	\$ 2.11		
Interoffice Inquiry (Provisioning) Charge, per request		\$ 338.03	\$ -
Interoffice Inquiry (Service Order) Charge, per request		\$ 2.33	\$ -
Interoffice Administration Charge, per order		\$ 14.35	\$ 16.19
Interoffice Connection Charge, per strand		\$ 466.62	\$ 157.40
Interoffice Cross-Connects, per strand		\$ 3.62	\$ 3.62
Interoffice Mileage Termination		\$ -	\$ -
Interoffice Mileage-per strand per foot		\$ -	\$ -
Interoffice Cross Connect		\$ -	\$ -
Dark Fiber - Loop/Sub-Loop			
Loop/Sub-Loop Mileage Termination	\$ 10.77		
Loop/Sub-Loop Mileage	\$ 0.002562		
Loop/Sub-Loop Cross Connect	\$ 1.05		
Loop/Sub-Loop Inquiry (Provisioning) Charge, per request		\$ 79.66	\$ -
Loop/Sub-Loop Inquiry (Service Order) Charge, per request		\$ 2.33	\$ -
Sub-Loop Inquiry Charge, per request		\$ 79.66	\$ -
Loop/Sub-Loop Administration Charge, per order		\$ 14.35	\$ 16.19
Loop/Sub-Loop Connection Charge, CO to RT/CEV/Hut, CO to Premises, per strand		\$ 358.08	\$ 16.60
Sub-Loop Connection Charge, RT/CEV Hut to Premises, per strand		\$ 48.05	\$ 16.60
Loop/Sub-Loop Cross Connect Charge, per strand		\$ 3.38	\$ 3.40
Sub-Loop Cross Connect Charge, per strand		\$ -	\$ -
Loop/Sub-Loop Cross Connect		\$ -	\$ -

	SBC MI	SBC Michigan	
	Recurring	Non-Recurring	Disconnect
		Connect	
RECIPROCAL COMPENSATION			
End Office Local Termination			
Set up charge, per call	\$ 0.000622		
Duration charge, per MOU	\$ 0.000521		
Tandem Switching			
Set up charge, per call	\$ 0.000322		
Duration charge, per MOU	\$ 0.000337		
Tandem Transport Termination			
Set up charge, per call	\$ 0.000077		
Duration charge, per MOU	\$ 0.000081		
Tandem Transport Facility per MOU, per Mile	\$ 0.000001		
TRANSIT SERVICE			
Tandem Switching			
per minute of use	\$ 0.000309		
Tandem Termination			
per minute of use	\$ 0.000105		
Tandem Facility			
per minute of use	\$ 0.000040		
Special Access to UNE Loop and Transport			
Project Administrative Charge, per service order		\$ 4.30	
Channelized DS3 - Design & Coordination (with mileage)		\$ 4.42	
Channelized DS3 - Demarcation Re-tag (with mileage)		\$ -	
Channelized DS1 - Design & Coordination (with mileage)		\$ 4.34	
Channelized DS1 - Demarcation Re-tag (with mileage)		\$ -	
Non-Channelized DS3 - Design & Coordination (with mileage)		\$ 1.13	
Non-Channelized DS3 - Demarcation Re-tag (with mileage)		\$ -	
Non-Channelized DS1 - Design & Coordination (with mileage)		\$ 1.13	
Non-Channelized DS1 - Demarcation Re-tag (with mileage)		\$ -	
Non-Channelized DS0 - Design & Coordination (with mileage)		\$ 1.13	
Non-Channelized DS0 - Demarcation Re-tag (with mileage)		\$ -	
Channelized DS3 - Design & Coordination (without mileage)		\$ 4.52	
Channelized DS3 - Demarcation Re-tag (without mileage)		\$ -	
Channelized DS1 - Design & Coordination (without mileage)		\$ 4.34	
Channelized DS1 - Demarcation Re-tag (without mileage)		\$ -	
Non-Channelized DS3 - Design & Coordination (without mileage)		\$ 1.13	
Non-Channelized DS3 - Demarcation Re-tag (without mileage)		\$ -	
Non-Channelized DS1 - Design & Coordination (without mileage)		\$ 1.13	
Non-Channelized DS1 - Demarcation Re-tag (without mileage)		\$ -	
Non-Channelized DS0 - Design & Coordination (without mileage)		\$ 1.13	
Non-Channelized DS0 - Demarcation Re-tag (without mileage)		\$ -	
Enhanced Extended Loop (EEL)			
Note: EELs will be equal to sum of the rates associated with the individual unbundled network elements comprising the EEL. The rates will be based on the rates for the unbundled loop and the unbundled dedicated transport that comprise the EEL, and any unbundled multiplexing and unbundled clear channel capability as requested or required.			
Following is a list of EELs available under this Price Schedule:			
2-Wire Analog Loop to DS1 Dedicated Transport facilities			
2-Wire Analog Loop to DS3 Dedicated Transport facilities			
4-Wire Analog Loop to DS1 Dedicated Transport facilities			
4-Wire Analog Loop to DS3 Dedicated Transport facilities			
2-Wire Digital Loop to DS1 Dedicated Transport facilities			
2-Wire Digital Loop to DS3 Dedicated Transport facilities			
4-Wire Digital Loop(DS1 Loop) to DS1 Dedicated Transport facilities			
4-Wire Digital Loop(DS1 Loop) to DS3 Dedicated Transport facilities			
Resale			
Resale Discount	16.62%		

	SBC MI Recurring	SBC Michigan Non-Recurring Connect	Disconnect
Physical Collocation			
Planning Fees:			
Physical Collocation - Initial (monthly per 100 SF)	\$ 19.26		
Physical Collocation - Initial (per request)		\$ 3,735.92	
Physical Collocation - Subsequent Cable Only		\$ 1,293.20	
Common/Shared Collocation - Initial (monthly per 100 SF)	\$ 0.89		
Common/Shared Collocation - Initial (per request)		\$ 3,161.16	
Common/Shared Collocation - Subsequent Cable Only		\$ 1,293.20	
Cageless Collocation - Initial		\$ 4,741.75	
Cageless Collocation - Subsequent Cable Only		\$ 1,436.89	
Adjacent On-Site Collocation - Initial		\$ 6,466.02	
Adjacent On-Site Collocation - Subsequent Cable Only		\$ 1,293.20	
Adjacent Off-Site Collocation - Initial		\$ 1,427.49	
Physical Caged Collocation:			
Physical Land and Building (per 100 SF cage)	\$ 907.64		
Physical Cage Preparation (per 100 SF cage)	\$ 55.44		
HVAC (per 10 amps of DC power)	\$ 5.88		
Physical Cable Racking (per 100 SF cage)	\$ 28.85		
Physical Grounding (per 100 SF cage)	\$ 4.50		
Cageless Collocation:			
Land and Building Charge (per 1/4 rack)	\$ 11.14		
Relay Rack Charge (Optional) (per 1/4 rack)	\$ 2.67		
HVAC (per 10 amps of DC power)	\$ 5.88		
Caged/Common Collocation:			
Land and Building (per common area linear foot)	\$ 42.15		
Cage Preparation (per common area linear foot)	\$ 2.09		
HVAC (per 10 amps of DC power)	\$ 5.88		
Physical Cable Racking (per common area linear foot)	\$ 4.54		
Physical Grounding (per common area linear foot)	\$ 0.21		
Power Consumption - DC Usage			
Physical Caged Collocation (per AMP)	\$ 6.10		
Common Caged Collocation (per AMP)	\$ 6.10		
Cageless Collocation (per AMP)	\$ 6.50		
Adjacent On-Site Collocation (per AMP)	\$ 5.22		
Power Consumption - AC Usage			
Physical Caged Collocation (per AMP)	\$ 4.00		
Common Caged Collocation (per AMP)	\$ 4.00		
Cageless Collocation (per AMP)	\$ 4.00		
Adjacent On-Site Collocation (per AMP)	\$ 4.00		
Security Cards (5 cards)		\$ 92.77	
Interconnection Arrangement Options			
Physical Caged Collocation			
DS1 Arrangement (28 DS1s) - DCS	\$ 297.92	\$ 1,421.73	
DS1 Arrangement (28 DS1s) - DSX	\$ 14.65	\$ 1,421.73	
Common Caged Collocation			
DS1 Arrangement (28 DS1s) - DCS	\$ 297.90	\$ 1,421.73	
DS1 Arrangement (28 DS1s) - DSX	\$ 14.65	\$ 1,421.73	
Cageless Collocation			
DS1 Arrangement (28 DS1s) - DCS	\$ 297.90	\$ 1,421.73	
DS1 Arrangement (28 DS1s) - DSX	\$ 14.65	\$ 1,421.73	
Adjacent On-Site Collocation			
DS1 Arrangement (28 DS1s) - DCS	\$ 297.90	\$ 1,818.09	
DS1 Arrangement (28 DS1s) - DSX	\$ 14.67	\$ 1,818.09	
DS1 Racking	\$ 0.62		
Adjacent Off-Site Collocation			
DS1 Arrangement (28 DS1s) - DCS	\$ 297.90	\$ 1,421.73	
DS1 Arrangement (28 DS1s) - DSX	\$ 14.65	\$ 1,421.73	
DS1 Arrangement (450 DS1s) - MDF	\$ 355.52	\$ 694.94	

	SBC MI	SBC Michigan	
	Recurring	Non-Recurring	Disconnect
		Connect	
Physical Caged Collocation			
DS3 Arrangement (1 DS3) - DCS	\$ 74.66	\$ 363.31	
DS3 Arrangement (1 DS3) - DSX	\$ 12.84	\$ 363.31	
Common Caged Collocation			
DS3 Arrangement (1 DS3) - DCS	\$ 74.59	\$ 363.31	
DS3 Arrangement (1 DS3) - DSX	\$ 12.84	\$ 363.31	
Cageless Collocation			
DS3 Arrangement (1 DS3) - DCS	\$ 74.66	\$ 363.31	
DS3 Arrangement (1 DS3) - DSX	\$ 12.84	\$ 363.31	
Adjacent On-Site Collocation			
DS3 Arrangement (1 DS3) - DCS	\$ 74.68	\$ 464.59	
DS3 Arrangement (1 DS3) - DSX	\$ 12.86	\$ 464.59	
DS3 Racking	\$ 0.62		
Physical Caged Collocation - Voice Grade Arrangement (100 pairs)			
Common Caged Collocation - Voice Grade Arrangement (100 pairs)	\$ 6.44	\$ 936.26	
Cageless Collocation - Voice Grade Arrangement (100 pairs)			
Adjacent On-Site Collocation - Voice Grade Arrangement (100 pairs)	\$ 6.31	\$ 1,065.28	
Adjacent On-Site Collocation - Voice Grade Racking	\$ 0.54		
Adjacent On-Site Collocation - Rack between CO Outside Wall and Adjacent On-Site, per rack	\$ 35.80	\$ 300.72	
Adjacent Off-Site Collocation - Voice Grade Arrangement (900 pairs)	\$ 355.52	\$ 694.94	
Optical Circuit Arrangement (12 Fiber pairs)			
Physical Caged Collocation - (per Cable)	\$ 8.32	\$ 2,622.86	
Common Caged Collocation - (per Cable)	\$ 8.32	\$ 2,622.86	
Cageless Collocation - (per Cable)	\$ 8.32	\$ 2,277.74	
Adjacent On-Site Collocation - (per Cable)	\$ 8.34	\$ 2,912.75	
Adjacent On-Site Collocation - Optical Racking	\$ 0.77		
Adjacent Off-Site Collocation - (per Cable)	\$ 9.14	\$ 2,903.19	
Power Arrangement			
Physical Caged Collocation			
Power Delivery - 40 AMP		\$ 170.71	
Power Delivery - 100 AMP		\$ 222.66	
Power Delivery - 200 AMP		\$ 290.20	
Physical Cageless Collocation			
Common Caged Collocation	\$ 0.08		
Common Caged Collocation			
Power Delivery - 40 AMP		\$ 170.71	
Power Delivery - 100 AMP		\$ 222.66	
Power Delivery - 200 AMP		\$ 290.20	
Adjacent On-Site Collocation			
Power Delivery - 200 AMP	\$ 16.02	\$ 6,058.45	
Power Delivery - 400 AMP	\$ 32.03	\$ 11,764.36	
Power Delivery - 600 AMP	\$ 33.80	\$ 15,543.72	
Power Delivery - 800 AMP	\$ 50.71	\$ 23,139.31	
Cable Rack between CO Outside Wall and Adjacent On-Site	\$ 35.48	\$ 297.75	
Cable Entrance, per wall opening		\$ 714.83	
Entrance Fiber Structure Charge (per 125 foot Innerduct)	\$ 1.94		
Entrance Fiber, per cable sheath			
Physical Caged Collocation			
Physical Caged Collocation	\$ 2.71	\$ 1,598.37	
Common Caged Collocation			
Common Caged Collocation	\$ 2.71	\$ 1,598.37	
Cageless Collocation			
Adjacent On-Site Collocation	\$ 14.97	\$ 1,598.37	
Adjacent On-Site Collocation	\$ 31.26	\$ 2,880.83	
Adjacent On-Site Collocation Arrangement			
Land Rental, per square foot	\$ 0.39		
Collocation-to-Collocation Arrangement			
Physical to Physical			
Fiber Cable (12 Fiber Pairs)	\$ 0.84	\$ 2,277.74	
DS1 Cable (29 DS1s)	\$ 0.76	\$ 1,421.73	
DS3 Cable (1 DS3)	\$ 0.76	\$ 363.31	
Cageless to Cageless			
Fiber Cable (12 Fiber Pairs)	\$ 0.25	\$ 897.29	
DS1 Cable (29 DS1s)	\$ 0.20	\$ 560.08	
DS3 Cable (1 DS3)	\$ 0.20	\$ 143.12	
Physical/Cageless to Virtual			
Fiber Cable (12 Fiber Pairs)	\$ 0.24	\$ 829.91	
DS1 Cable (29 DS1s)	\$ 0.19	\$ 518.01	
DS3 Cable (1 DS3)	\$ 0.19	\$ 132.37	

	SBC MI	SBC Michigan	
	Recurring	Non-Recurring	Disconnect
Virtual Collocation			
Planning			
Initial		\$ 4,741.75	
Subsequent/Cable Only		\$ 1,436.89	
Land and Building (per 1/4 bay framework)	\$ 11.14		
Relay Rack (per 1/4 rack)	\$ 2.67		
HVAC (per 10 amps of DC power consumption)	\$ 5.88		
Entrance Fiber (per cable)	\$ 14.97	\$ 1,598.37	
Entrance Fiber Structure Charge	\$ 1.94		
Power Delivery	\$ 0.08		
Power Consumption			
DC Power (per AMP)	\$ 6.50		
AC Power (per AMP)	\$ 4.00		
Voice Grade Interconnection Arrangement (per 100 pairs)	\$ 6.51	\$ 936.26	
DS1 Interconnection Arrangement to DCS (per 28 DS1s)	\$ 297.90	\$ 1,421.73	
DS1 Interconnection Arrangement to DSX (per 28 DS1s)	\$ 14.65	\$ 1,421.73	
DS3 Interconnection Arrangement to DCS (per 1 DS3)	\$ 74.66	\$ 363.31	
DS3 Interconnection Arrangement to DSX (per 1 DS3)	\$ 12.84	\$ 363.31	
Fiber Interconnection arrangement (per 12 fiber pairs)	\$ 8.32	\$ 2,277.74	
Collocation to Collocation Arrangement			
Fiber Cable (per 12 fiber cable)	\$ 0.25	\$ 897.29	
DS1 Cable (per 28 DS1s)	\$ 0.20	\$ 560.08	
DS3 Cable (per 1 DS3)	\$ 0.20	\$ 143.12	
Equipment Maintenance and Security Escort			
Equipment Maintenance			
Staffed Building			
Access during attended hours			
Each 1/4 hour		\$ 17.76	
Each additional 1/4 hour		\$ 17.76	
Access during unattended hours			
4 hour minimum		\$ 284.20	
Each additional 1/4 hour		\$ 17.76	
Unstaffed Building			
Access during normal business day			
Each 1/4 hour		\$ 17.76	
Each additional 1/4 hour		\$ 17.76	
Access during non-normal business day			
4 hour minimum		\$ 284.20	
Each additional 1/4 hour		\$ 17.76	
Security Escort			
Staffed Building			
Access during attended hours			
Each 1/4 hour		\$ 15.83	
Each additional 1/4 hour		\$ 15.83	
Access during unattended hours			
4 hour minimum		\$ 253.32	
Each additional 1/4 hour		\$ 15.83	
Unstaffed Building			
Access during normal business day			
Each 1/4 hour		\$ 15.83	
Each additional 1/4 hour		\$ 15.83	
Access during non-normal business day			
4 hour minimum		\$ 253.32	
Each additional 1/4 hour		\$ 15.83	

AMENDMENT TO THE INTERCONNECTION AGREEMENTS

This amendment (“Amendment”) to the interconnection agreements (“Agreements”) is being entered into by and between Illinois Bell Telephone Company d/b/a SBC Illinois, Indiana Bell Telephone Company Incorporated d/b/a SBC Indiana, Michigan Bell Telephone Company d/b/a SBC Michigan, Nevada Bell Telephone Company d/b/a SBC Nevada, The Ohio Bell Telephone Company d/b/a SBC Ohio, Pacific Bell Telephone Company d/b/a SBC California, The Southern New England Telephone Company d/b/a SBC Connecticut, Southwestern Bell Telephone, L.P. d/b/a SBC Arkansas, SBC Kansas, SBC Missouri, SBC Oklahoma and SBC Texas, and Wisconsin Bell, Inc. d/b/a SBC Wisconsin, (collectively, “SBC-13STATE”) and MCI Metro Access Transmission Services LLC (including those Agreements held by MCI Metro as successor in interest to MCI WORLDCOM Communications, Inc., Brooks Fiber Communications, Inc., and Intermedia Communications LLC) (“collectively, “MCI”) and amends the Agreements, in effect as of the Amendment Effective Date, between the Parties in the states of Arkansas, California, Connecticut, Illinois, Indiana, Kansas, Michigan, Missouri, Nevada, Ohio, Oklahoma, Texas and Wisconsin.

WHEREAS, SBC-13STATE and MCI are parties to Agreements that were previously submitted to the state Commissions for approval; and

WHEREAS, the Parties wish to amend the Agreements as set forth in this Amendment;

NOW, THEREFORE, in consideration of the mutual promises contained herein, the Parties agree as follows:

1. INTRODUCTION

- 1.1 Unless otherwise defined herein, capitalized terms shall have the meanings assigned to such terms in the Agreements.
- 1.2 To the extent there is a conflict or inconsistency between the provisions of this Amendment and the provisions of the Agreements (including all incorporated or accompanying Appendices, Addenda and Exhibits to the Agreements), the provisions of this Amendment shall control and apply but only to the extent of such conflict or inconsistency.

2. AMENDMENT TO THE AGREEMENT

- 2.1. On and after the Amendment Effective Date (as defined in Section 3 of this Amendment), the Agreements are hereby amended by adding Attachment A of this Amendment (“Appendix Out of Exchange Traffic”) to the Agreements as a new appendix.

3. AMENDMENT EFFECTIVE DATE

- 3.1 The effective date of this Amendment shall be immediate upon approval of this Amendment by the applicable state Commission or, absent such Commission approval, the date this Amendment is filed under Section 252(e)(4) of the Act (“Amendment Effective Date”).

4. TERM OF AMENDMENT

- 4.1 Except as modified herein, all other rates, terms and conditions of the Agreements shall remain unchanged. This Amendment will become effective as of the Amendment Effective Date, and will terminate on the termination or expiration of the Agreements.

5. RESERVATIONS OF RIGHTS

- 5.1 The Parties acknowledge that they disagree as to whether this Amendment is necessary for the Parties to exchange Out of Exchange Traffic (as defined in Attachment A of this Amendment) and

that, in entering into this Amendment, neither Party is waiving, and each Party hereby expressly reserves, any of the rights, remedies or arguments it may have about whether this Amendment, or any of its specific terms or conditions, is required for the exchange of Out of Exchange Traffic.

- 5.2 The Parties further acknowledge that this Amendment is intended to be an interim solution for the exchange of Out of Exchange Traffic and that in the event any legislative or administrative body of competent jurisdiction (including the FCC and the Commissions) or any court of competent jurisdiction promulgates legally effective statutes, rules, regulations or orders which materially affect any provision of this Amendment or either Party's obligations regarding Out of Exchange Traffic, the Parties shall, upon the written request of either Party, negotiate promptly and in good faith in order to amend the affected Agreements in accordance with such statutes, rules, regulations or orders.
- 5.3 The Parties further acknowledge that this Amendment and the terms and conditions set forth in Attachment A are specifically intended to apply prospectively only and that the Parties shall continue to use existing interconnection facilities and traffic routing arrangements for the exchange of Out of Exchange Traffic to the extent that such facilities and routing arrangements were used to exchange Out of Exchange Traffic prior to the Amendment Effective Date.
- 5.4 The Parties fully reserve, and do not waive, any and all rights under their existing Agreements with respect to any orders, decisions, legislation or proceedings, and any remands thereof, from any federal or state regulatory, legislative or judicial action(s), including, without limitation, their intervening law or change of law rights relating to the following actions which the Parties have not yet fully incorporated into their Agreements: *Verizon v. FCC, et. al*, 535 U.S. 467 (2002); *USTA, et. al v. FCC*, 290 F.3d 415 (D.C. Cir. 2002) ("USTA I") and following remand and appeal, *USTA v. FCC*, 359 F.3d 554 (D.C. Cir. June 16, 2004) ("USTA II"); the FCC's "Triennial Review Order," CC Docket Nos. 01-338, 96-98 and 98-147 (FCC 03-36); the FCC's "Interim Rules" in WC Docket No. 04-313 and CC Docket 01-338 (FCC 04-179) (rel. August 21, 2004); and any order issued in CC Docket 96-98 or the FCC's rulemaking *In the Matter of Developing a Unified Intercarrier Compensation Regime*, CC Docket 01-92 (est. April 27, 2001). Further, neither Party will argue or take the position before any state or federal regulatory commission or court that any provisions set forth in this Amendment constitutes an agreement or waiver relating to the appropriate routing, treatment and compensation for Voice Over Internet Protocol traffic and/or traffic utilizing in whole or part Internet Protocol technology; rather, each Party expressly reserves any rights, remedies, and arguments they may have as to such issues including but not limited, to any rights each may have as a result of the FCC's Order *In the Matter of Petition for Declaratory Ruling that AT&T's Phone-to-Phone IP Telephony Services are Exempt from Access Charges*, WC Docket No. 02-361 (rel. April 21, 2004) and the FCC's Notice of Proposed Rulemaking *In the Matter of IP-Enabled Services*, WC Docket 04-36 (rel. March 10, 2004).

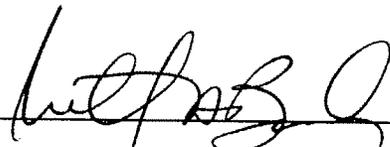
6. MISCELLANEOUS

- 6.1 This Amendment may be executed in counterparts, each of which shall be deemed an original but all of which when taken together shall constitute a single agreement.

IN WITNESS WHEREOF, each Party has caused this Amendment to be executed by its duly authorized representative.

MCImetro Access Transmission Services LLC

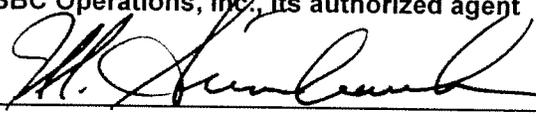
Illinois Bell Telephone Company d/b/a SBC
Illinois, Indiana Bell Telephone Company
Incorporated d/b/a SBC Indiana, Michigan Bell
Telephone Company d/b/a SBC Michigan,
Nevada Bell Telephone Company d/b/a SBC
Nevada, The Ohio Bell Telephone Company
d/b/a SBC Ohio, Pacific Bell Telephone
Company d/b/a SBC California, The Southern
New England Telephone Company d/b/a SBC
Connecticut, Southwestern Bell Telephone, L.P.
d/b/a SBC Arkansas, SBC Kansas, SBC
Missouri, SBC Oklahoma and/or SBC Texas,
and Wisconsin Bell, Inc. d/b/a SBC Wisconsin
by SBC Operations, Inc., its authorized agent

By: 

Printed: Michael A. Beach

Title: Vice President, Carrier Management

Date: 3/1/05

By: 

Printed: Mike Auinbauh

Title:

Date: AVP-Local
Interconnection Marketing

MAR 28 2005

FACILITIES-BASED OCN # _____
ACNA _____

ATTACHMENT A: OUT OF EXCHANGE APPENDIX

APPENDIX OUT OF EXCHANGE TRAFFIC

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APPENDIX OUT OF EXCHANGE TRAFFIC

1. DEFINITIONS

- 1.1 This Appendix sets forth the terms and conditions necessary for the exchange of Out of Exchange Traffic (as defined in Section 1.4).
- 1.2 **SBC Operations Inc. (SBC-13STATE)** means the holding company which directly or indirectly owns the following ILECs: Illinois Bell Telephone Company d/b/a SBC Illinois, Indiana Bell Telephone Company Incorporated d/b/a SBC Indiana, Michigan Bell Telephone Company d/b/a SBC Michigan, Nevada Bell Telephone Company d/b/a SBC Nevada, The Ohio Bell Telephone Company d/b/a SBC Ohio, Pacific Bell Telephone Company d/b/a SBC California, The Southern New England Telephone Company d/b/a SBC Connecticut, Southwestern Bell Telephone, L.P. d/b/a SBC Arkansas, SBC Kansas, SBC Missouri, SBC Oklahoma and/or SBC Texas and/or Wisconsin Bell, Inc. d/b/a SBC Wisconsin.
- 1.3 Intentionally Omitted.
- 1.4 For purposes of this Appendix only, "Out of Exchange Traffic" shall be defined as those categories of traffic subject to compensation pursuant to Appendix Reciprocal Compensation and includes only such interLATA traffic as is exchanged pursuant to an FCC approved or court ordered InterLATA boundary waiver that:
 - (i) Originates from an MCIIm end user located in another ILEC's incumbent local exchange area and terminates to an **SBC-13STATE** end user customer located in an **SBC-13STATE** local exchange area or;
 - (ii) Originates from an **SBC-13STATE** end user located in an **SBC-13STATE** local exchange area and terminates to an MCIIm end user customer located in another ILEC's incumbent local exchange area.

2 INTRODUCTION

- 2.1 For purposes of this Appendix, MCIIm intends to operate and/or provide telecommunications services outside of **SBC-13STATE** incumbent local exchange areas and desires to interconnect MCIIm's network with SBC- 13STATE's network(s).
- 2.2 Intentionally Omitted.
- 2.3 Other than as set forth in this Appendix, **SBC-13STATE**'s obligations under this Agreement shall apply only to the specific operating area(s) or portion thereof in which **SBC-13STATE** is the ILEC under the Act.

3. NETWORK MANAGEMENT

- 3.1 The terms and conditions for network management, including CPN requirements, service levels, traffic management controls, reroutes, mass calling, quality of network connections and joint planning are set forth in Appendix NIM of this Agreement.

4. NETWORK CONNECTIONS FOR OUT OF EXCHANGE TRAFFIC

- 4.1 The Parties agree that **SBC-13STATE**'s originating traffic destined for MCIIm end user customers in another ILEC's exchange will be delivered to MCIIm's POI arrangements in an SBC local exchange area in the LATA where the traffic originates in accordance with the POI requirements set forth in the Appendix NIM of this Agreement. The Parties agree that MCIIm's traffic originating from another ILEC's exchange and destined for **SBC-13STATE** end

- users will be delivered to MCI's POI arrangements in the SBC exchange area in the LATA where the traffic originates in accordance with the POI requirements set forth in Appendix NIM of this Agreement. When Out of Exchange Traffic exchanged between the end user customers of MCI and **SBC-13STATE** exceeds one DS1 (24 DS0s) to or from an **SBC-13STATE** End Office, the Parties agree to establish a direct end office trunk group.
- 4.2 If MCI is required to establish new interconnection trunks for the routing of Out of Exchange Traffic, **SBC-13STATE** agrees to route its originating Out of Exchange Traffic over existing trunks until such time as the new trunks are operational for a timeframe not to exceed 90 days. MCI will submit all necessary ASRs for the establishment of such new interconnection trunks. If, however, MCI's failure to submit an ASR is due to a "facilities-not-available" situation, **SBC-13STATE** will continue to route the traffic on existing trunks during the period in which the "facilities-not available" situation is being resolved. At such time that MCI's trunks are operational, **SBC-13STATE**'s originating Out of Exchange traffic will be rerouted to MCI's POI according to Section 4.1 above.
 - 4.3 If MCI is required to establish new interconnection trunks for the routing of Out of Exchange Traffic, MCI may route its originating Out of Exchange Traffic to **SBC-13STATE**'s End Office via a Third Party ILEC's Tandem until such time as the new trunks are operational, for a timeframe not to exceed 90 days. MCI will submit all necessary ASRs for the establishment of such new interconnection trunks. If, however, MCI's failure to submit an ASR is due to a "facilities-not-available" situation, MCI will continue to route the traffic via a Third Party ILEC's Tandem during the period in which the "facilities-not available" situation is being resolved. At such time that MCI's trunks are operational, MCI's originating Out of Exchange traffic will be rerouted to MCI's POI according to Section 4.1 above.
 - 4.4 MCI shall route originating Out of Exchange Traffic to the serving tandem as defined by the LERG.
 - 4.5 Intentionally Omitted.
 - 4.6 If any Out of Exchange Traffic is not properly routed in accordance with this Appendix, the Parties will work cooperatively to correct the problem. This also includes traffic that is destined to End Offices that do not subtend **SBC-13STATE** tandem. The Parties shall provide notice to each other pursuant to the Notices provisions of this Agreement that such misrouting has occurred. In the notice, the Party shall be given thirty (30) calendar days to cure such misrouting.
 - 4.7 Intentionally Omitted.
 - 4.8 Except as set forth in Section 4.3, MCI may deliver traffic destined to terminate at **SBC-13STATE**'s End Office via a Third Party ILEC's Tandem solely as an overflow remedy. In no instance shall this arrangement be used to circumvent over utilization augments according to Appendix NIM. Nothing in this section shall require **SBC-13STATE** to deliver traffic destined to terminate at MCI's switch via a Third Party ILEC's Tandem.
 - 4.9 Connection of a trunk group from MCI to **SBC-13STATE**'s tandem(s) will provide MCI accessibility to End Offices, IXCs, LECs, WSPs and NXXs which subtend that tandem(s). Connection of a trunk group from one Party to the other Party's End Office(s) will provide the connecting Party accessibility only to the NXXs served by that individual End Office(s) to which the connecting Party interconnects. Direct End Office Trunk groups that connect the Parties End Office(s) shall provide the Parties accessibility only to the NXXs that are served by that End Office(s).
 - 4.10 **SBC-13STATE** will open MCI NPA-NXX codes, rated to or identified to reside in non-**SBC-13STATE** exchange areas, in **SBC-13STATE** Tandems and End Offices using standard industry practice and intervals.

5. INTERCARRIER COMPENSATION

- 5.1 Nothing in this Appendix is intended to affect compensation arrangements set forth in Appendix Reciprocal Compensation of this Agreement. Such compensation arrangements shall apply for OE-LEC traffic as defined in Section 1.4.

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9. INTERLATA SECTION 251(B)(5) TRAFFIC

- 9.1 The Parties will exchange InterLATA Section 251(b)(5) Traffic that is covered by an FCC approved or court ordered InterLATA boundary waiver. **SBC-13STATE** will exchange such traffic using two-way direct final trunk groups (i) via a facility to MCI's POI in the originating LATA, or (ii) via a facility meet point arrangement at or near the exchange area boundary ("EAB"), or (iii) via a mutually agreed to meet point facility within the **SBC-13STATE** exchange area covered under such InterLATA waiver, or (iv) any other mutually agreed upon method. If the exchange where the traffic is terminating is not an **SBC-13STATE** exchange, **SBC-13STATE** shall exchange such traffic using a two-way DF trunk group (i) via a facility to MCI's POI within the originating LATA or (ii) via a mutually agreed to facility meet point arrangement at or near the EAB, or (iii) any other mutually agreed upon method. **SBC-13STATE** will not provision or be responsible for facilities located outside of **SBC-13STATE** exchange areas.
- 9.2 The Parties agree that the associated traffic from each **SBC-13STATE** End Office will not alternate route.
- 9.3 Intentionally Omitted
- 9.4 Except as otherwise provided in this Appendix, for MCI originated/**SBC-13STATE** terminated traffic or **SBC-13STATE** originated/ MCI terminated traffic, if any such traffic is improperly routed by one Party over any trunk groups to other party and/or not routed in accordance with this Appendix, the Parties will work cooperatively to correct the problem.
- 9.5 Intentionally Omitted.
- 9.6 Intentionally Omitted.

**AMENDMENT TO
INTERCONNECTION AGREEMENT
BETWEEN
MICHIGAN BELL TELEPHONE COMPANY d/b/a SBC MICHIGAN
AND
MCIMETRO ACCESS TRANSMISSION SERVICES LLC**

This TRO/TRRO Amendment amends the Interconnection Agreement by and between Michigan Bell Telephone Company d/b/a SBC Michigan ("SBC") and MCImetro Access Transmission Services LLC ("CLEC") (individually and as successor in interest to MCI WORLDCOM Communications, Inc. and Brooks Fiber Communications of Michigan, Inc.). SBC and CLEC are hereinafter referred to collectively as the "Parties" and individually as a "Party". This Amendment applies in SBC's service territory in the State of Michigan.

WITNESSETH:

WHEREAS, SBC and CLEC are Parties to an Interconnection Agreement under Sections 251 and 252 of the Communications Act of 1934, as amended (the "Act"), dated 12/18/2003 (the "Agreement"); and

WHEREAS, the Federal Communications Commission (the "FCC") released an order on August 21, 2003 in CC Docket Nos. 01-338, 96-98, and 98-147 (the "Triennial Review Order" or "TRO"), which became effective as of October 2, 2003;

WHEREAS, on March 2, 2004, the U.S. Court of Appeals for the District of Columbia issued a decision affirming in part and vacating in part the TRO, and the affirmed portions of the TRO subsequently have become final and non-appealable;

WHEREAS, the FCC released orders on August 9, 2004 and October 18, 2004 in Docket No. 01-338, "TRO Reconsideration Orders" which subsequently became effective;

WHEREAS, the FCC released an order on February 4, 2005 in WC Docket No 04-313 and CC Docket No. 01-338, (the "Triennial Review Remand Order" or "TRO Remand"), which became effective as of March 11, 2005;

WHEREAS, pursuant to Section 252(a)(1) of the Act, the Parties wish to amend the Agreement in order to give contractual effect to the effective portions of the TRO, TRO Reconsideration Order, and TRO Remand as set forth herein;

NOW, THEREFORE, in consideration of the promises and mutual agreements set forth herein, the Parties agree to amend the Agreement as follows:

1. The Parties agree that the Agreement should be amended by the addition of the terms and conditions set forth in the TRO/TRO Remand Attachment attached hereto.
2. Conflict between this Amendment and the Agreement. This Amendment shall be deemed to revise the terms and provisions of the Agreement only to the extent necessary to give effect to the terms and provisions of this Amendment. In the event of a conflict between the terms and provisions of this Amendment and the terms and provisions of the Agreement this Amendment shall govern, *provided, however*, that the fact that a term or provision appears in this Amendment but not in the Agreement, or in the Agreement but not in this Amendment, shall not be interpreted as, or deemed grounds for finding, a conflict for purposes of this Section 2.

3. Counterparts. This Amendment may be executed in one or more counterparts, each of which when so executed and delivered shall be an original and all of which together shall constitute one and the same instrument.
4. Captions. The Parties acknowledge that the captions in this Amendment have been inserted solely for convenience of reference and in no way define or limit the scope or substance of any term or provision of this Amendment.
5. Scope of Amendment. This Amendment shall amend, modify and revise the Agreement only to the extent set forth expressly in Section 1 of this Amendment. As used herein, the Agreement, as revised and supplemented by this Amendment, shall be referred to as the "Amended Agreement." Nothing in this Amendment shall be deemed to amend or extend the term of the Agreement, or to affect the right of a Party to exercise any right of termination it may have under the Agreement. Nothing in this Amendment shall affect the general application and effectiveness of the Agreement's "change of law," "intervening law," "successor rates" and/or any similarly purposed provisions. The rights and obligations set forth in this Amendment apply in addition to any other rights and obligations that may be created by such intervening law, change in law or other substantively similar provision.
6. This Amendment may require that certain sections of the Agreement shall be replaced and/or modified by the provisions set forth in this Amendment. The Parties agree that such replacement and/or modification shall be accomplished without the necessity of physically removing and replacing or modifying such language throughout the Agreement.
7. The Parties acknowledge and agree that this Amendment shall be filed with, and is subject to approval by the Commission and shall become effective ten (10) days following approval by such Commission (the "Amendment Effective Date").
8. Reservation of Rights. Nothing contained in this Amendment shall limit either Party's right to appeal, seek reconsideration of or otherwise seek to have stayed, modified, reversed or invalidated any order, rule, regulation, decision, ordinance or statute issued by the Commission, the FCC, any court or any other governmental authority related to, concerning or that may affect either Party's obligations under the Agreement, this Amendment, any SBC tariff, or Applicable Law. Furthermore, to the extent any terms of this Amendment are imposed by arbitration, a party's act of incorporating those terms into the agreement should not be construed as a waiver of any objections to that language and each party reserves its right to later appeal, challenge, seek reconsideration of, and/or oppose such language.

IN WITNESS WHEREOF, this Amendment to the Agreement was exchanged in triplicate on this 8th day of November, 2005, by Michigan Bell Telephone Company d/b/a SBC Michigan, signing by and through its duly authorized representative, and CLEC, signing by and through its duly authorized representative.

MCImetro Access Transmission Services LLC

Michigan Bell Telephone Company d/b/a SBC Michigan by SBC Operations, Inc., its authorized agent

By: Thomas V. Friday

By: M. Auinbauh

For Name: Michael A. Beach

Name: Mike Auinbauh
(Print or Type)

Title: Vice President - Carrier Management

Title: AVP - Local Interconnection Marketing

Date: November 7, 2005

Date: NOV 08 2005

FACILITIES-BASED OCN # _____

ACNA _____

MICHIGAN TRO/TRRO ATTACHMENT

- 0.1 Definitions. The following definitions are applicable to this Attachment.
- 0.1.1 Building. For purposes of this Attachment relative to the DS1 and DS3 loop caps as defined in the TRRO Rules 51.319(a)(4)(ii) and 51.319(a)(5)(ii), a “building” or a “single building” is a structure under one roof. Two or more physical structures that share a connecting wall or are in close physical proximity shall not be considered a single building solely because of a connecting tunnel or covered walkway, or a shared parking garage or parking area, unless such structures share the same street address (e.g., two department stores connected by a covered walkway to protect shoppers from weather would be considered two separate buildings).
- 0.1.2 Fiber-to-the-Curb (FTTC) Loop. A Fiber-to-the-Curb Loop is defined as a (1) local Loop consisting of fiber optic cable connecting to a copper distribution plant that is not more than 500 feet from the customer’s premises or (2) a local Loop serving customers in a Predominantly Residential MDU consisting of fiber optic cable connecting to a copper distribution plant that is not more than 500 feet from the MDU’s MPOE. Examples of a “Predominantly Residential” MDU include an apartment building, condominium building, cooperative or planned unit development that allocates more than fifty percent of its rentable square footage to residences. Notwithstanding the above, a loop will only be deemed a FTTC Loop if it connects to a copper distribution plant at a serving area interface from which every other copper distribution Subloop also is not more than 500 feet from the respective customer’s premises.
- 0.1.3 “Predominantly Residential” for purposes of this Amendment is defined as a Multiple Dwelling Unit or “MDU” that has greater than 50 percent of its rentable space allocated to residential use.
- 0.1.4 Fiber-to-the-Home Loop. A Fiber-to-the-Home (FTTH) Loop is defined as a local Loop serving a Customer and consisting entirely of fiber optic cable, whether dark or lit, or, in the case of Predominantly Residential MDUs, a fiber optic cable, whether dark or lit, that extends to the multiunit premises’ minimum point of entry (MPOE).
- 0.1.5 Hybrid Loop is a local Loop and is composed of both fiber optic cable and copper wire or cable between the main distribution frame (or its equivalent) in an SBC wire center and the demarcation point at the customer premises.
- 0.1.6 Mass Market Customer is an end user customer who is either (a) a residential customer or (b) a very small business customer at a premises served by telecommunications facilities with an aggregate transmission capacity of less than four DS-0s.
- 0.1.7 Declassified Unbundled Local Circuit Switching/UNE-P (ULS/UNE-P). To avoid any doubt, pursuant to this Attachment, SBC is no longer required to provide any ULS/UNE-P pursuant to Section 251(c)(3) except as otherwise provided for in this Attachment, e.g., the Embedded Base during the transition periods as set forth in Sections 1.0 and 2.0.
- 0.1.8 Non-Impaired Wire Centers for DS1 and DS3 Unbundled High-Capacity Loops. Pursuant to Rule 51.319(a)(4), Unbundled DS1 Loop Non-Impaired Wire Centers are defined as wire centers serving at least 60,000 business lines and at least four fiber-based collocators. Pursuant to Rule 51.319(a)(5) DS3 Loop Non-Impaired Wire Centers are defined as wire centers serving at least 38,000 business lines and at least four fiber-based collocators.

- 0.1.9 Tier 1 Non-Impaired Wire Centers for DS1, DS3 and Dark Fiber Unbundled Dedicated Transport. Tier 1 non-impaired wire centers are defined pursuant to Rule 51.319(e)(3)(i), as wire centers serving at least four fiber-based collocators, at least 38,000 business lines, or both.
- 0.1.10 Tier 2 Non-Impaired Wire Centers for DS1, DS3 and Dark Fiber Unbundled Dedicated Transport. Tier 2 non-impaired wire centers are defined Pursuant to Rule 51.319(e)(3)(ii) as wire centers that are not Tier 1 wire centers, but contain at least three fiber-based collocators, at least 24,000 business lines, or both.
- 0.1.11 Tier 3 Wire Centers. Pursuant to Rule 51.319(e)(3)(iii), Tier 3 wire centers are defined as wire centers that do not meet the criteria for Tier 1 and Tier 2 wire centers.
- 0.1.12 Business Lines. For purposes of determining Tier 1 and Tier 2 Wire Centers, business line tallies shall be calculated pursuant to the FCC's TRRO. In no event shall a residential line be considered to be a business line. The determination as to whether a telephone line should be classified as Business or Residence shall be based on the same test that is currently used in Michigan, namely the determination as to whether a telephone line should be classified as Business or Residence is based on the character of the use to be made of the line. A line is classified as a business line where the user is primarily or substantially of a business, professional, institutional or otherwise occupational nature. Where the business use, if any, is incidental and where the major use is of a social or domestic nature, the line is classified as a residence line if installed in a residence.
- 0.1.13 Embedded Base. Embedded Base used as a term in this Attachment is defined for TRO Affected Elements identified in Section 1.0 as those TRO Affected Elements for which CLEC had generated and SBC had accepted a valid service order requesting the provisioning of such TRO Affected Element(s) for a customer as of the date of this Attachment. For the TRO Remand Affected Elements identified in Sections 2.0 and 3.0, the Embedded Base is defined as including those customers for which CLEC had generated and SBC had accepted a valid service order requesting the provisioning of TRO Remand Affected Element(s) prior to March 11, 2005.
- 0.1.14 A "DS1 Loop", pursuant to Rule 51.319(a)(4) is defined as a digital local loop having a total digital signal speed of 1.544 MBps per second. A DS1 Loop includes the electronics necessary to provide the DS1 transmission rate digital UNE Local Loop having a total digital signal speed of 1.544 megabytes per second. A DS1 Loop also includes all electronics, optronics and intermediate devices used to establish the transmission path to the end user customer premises as well as any inside wire owned or controlled by SBC that is part of that transmission path. DS1 Loops include, but are not limited to, two-wire and four-wire Copper Loops capable of providing high-bit rate DSL services, including T1 services.
- 0.1.15 Fiber-Based Collocator. A fiber-based collocator is any carrier, unaffiliated with SBC, that maintains a collocation arrangement in an SBC wire center, with active electrical power supply, and operates a fiber-optic cable or comparable transmission facility that (1) terminates at a collocation arrangement within the wire center; (2) leaves the ILEC wire center premises; and (3) is owned by a party other than SBC or any affiliate of SBC, except as set forth in this paragraph. Dark fiber obtained from an ILEC on an indefeasible right of use basis shall be treated as non-SBC fiber-optic cable. Two or more affiliated fiber-based collocators in a single wire center shall collectively be counted as a single fiber-based collocator.
- 0.1.16 [Intentionally left blank]
- 0.1.17 DS3 Loops are digital transmission channels suitable for the transport of isochronous bipolar serial data at a rate of 44.736 Mbps (the equivalent of 28 DS1 channels) provided on an unbundled basis pursuant to 47 U.S.C. § 251(c)(3), 47 C.F.R. Part 51 or other Applicable Law. A DS3 Loop includes the electronics necessary to provide the DS3 transmission rate having a total digital signal speed of 44.736 megabytes per

second. A DS3 Loop also includes all of the electronics, optronics and intermediate devices used to establish the transmission path to the end user customer premises as well as any inside wire owned or controlled by SBC that is part of that transmission path.

- 0.1.18 Dedicated Transport is defined as set forth in 47 CFR 51.319(e)(1).
- 0.1.19 [Intentionally left blank]
- 0.1.20 “Commingling” means the connecting, attaching, or otherwise linking of a UNE, or a combination of UNEs, to one or more facilities or services that CLEC has obtained at wholesale from SBC, pursuant to any method other than unbundling under Section 251(c)(3) of the Act, or the combining of a UNE, or a combination of UNEs, with one or more such wholesale facilities or services. “Commingling” means the act of commingling.
- 0.1.21 “Commingled Arrangement” means the arrangement created by Commingling. Where processes, including ordering and provisioning processes, for any Commingling or Commingled Arrangement available under this Agreement (including, by way of example, for existing services sought to be converted to a Commingled Arrangement) are not already in place,
- 0.1.22 “Enhanced Extended Link” or “EEL” means a UNE combination consisting of UNE loop(s) and UNE Dedicated Transport, together with any facilities, equipment, or functions necessary to combine those UNEs (including, for example, with or without multiplexing capabilities).
- 0.1.23 [Intentionally left blank]

1.0 TRO Affected Elements.

- 1.1 TRO-Affected Elements. SBC shall not be required to provide the following to CLEC as unbundled network elements under Section 251 pursuant to the FCC’s Triennial Review Order, the MDU Reconsideration Order (FCC 04-191) (rel. Aug. 9, 2004) and the FCC’s Order on Reconsideration (FCC 04-248) (rel. Oct. 18, 2004), in CC Docket Nos. 01-338, 96-98 and 98-147 (TRO Affected Elements) as follows:
- (i) Entrance facilities; (Dedicated transport facilities that do not connect a pair of incumbent LEC wire centers, including but not limited to, the transmission facilities that connect CLEC’s networks with SBC’s networks.) In accordance with Paragraph 140 of the TRRO, nothing in this Section 1.1 nor the FCC’s finding of non-impairment with respect to entrance facilities alters CLEC’s right to obtain interconnection facilities (entrance facilities or dedicated transport) pursuant to Section 251(c)(2) of the Act or to obtain access to such facilities at the same rates for dedicated transport as set forth in the Pricing Schedule
 - (ii) OCn level dedicated transport¹;
 - (iii) DS1 and above Local Circuit Switching (defined as Local Switching for the purpose of serving end user customers using DS1 capacity and above Loops)
 - (iv) OCn loops;
 - (v) the feeder portion of the loop as a stand alone UNE under Section 251;
 - (vi) packet switching, including routers and DSLAMs;
 - (vii) the packetized bandwidth, features, functions, capabilities, electronics and other equipment used to transmit packetized information over Hybrid Loops, including without limitation, xDSL-capable line

¹ Nothing herein is meant to indicate any agreement as to whether SBC is required to provide DS-0-level dedicated transport to CLECs as an unbundled network element under Section 251, or otherwise, and the parties expressly reserve their rights regarding the same. The absence of DS-0-level dedicated transport in Section 1.1 of this Amendment shall have no bearing on this issue in any other jurisdiction.

- cards installed in digital loop carrier (“DLC”) systems or equipment used to provide passive optical networking (“PON”) capabilities;
- (viii) Fiber-To-The-Home loops and Fiber-To-The-Curb loops, except to the extent that [SBC] has deployed such fiber in parallel to, or in replacement of, an existing copper loop facility and elects to retire the copper loop, in which case [SBC] will provide nondiscriminatory access to a 64 kilobits per second transmission path capable of voice grade service over the FTTH Loop or FTTC Loop on an unbundled basis pursuant to Section 11.1.2 of this Attachment;
 - (ix) SS7 signaling to the extent not provided in conjunction with unbundled local switching;
 - (x) any call-related database, other than the 911 and E911 databases, to the extent not provided in conjunction with unbundled local switching; and
 - (xi) line sharing, except as grandfathered as provided in the TRO.
- 1.2 Cessation TRO Affected Elements - New Orders. [SBC] is not required to provide the TRO Affected Element(s) on an unbundled basis, either alone or in combination (whether new, existing, or pre-existing) with any other element, service or functionality, to CLEC under the Agreement. Accordingly, upon the Amendment Effective Date, CLEC will cease new orders for TRO Affected Element(s).
- 1.3 In addition to those Transition Periods set forth in other sections of this Attachment, and without limiting the same, SBC and CLEC will abide by the following transitional procedures with respect to the TRO Effected Elements:
- 1.3.1 With respect to TRO Affected Elements and/or the combination of TRO Affected Elements as defined in Section 1.1 of this Attachment, SBC will notify CLEC in writing as to any TRO Affected Element previously made available to CLEC that is or has become a TRO Affected Element, as defined in Section 1.1 of this Attachment herein (“Identified Facility”). For purposes of the Agreement and this Attachment, such Identified Facilities shall be considered TRO Affected Elements.
 - 1.3.2 For any TRO Affected Element that SBC provides notice, SBC shall continue to provide the Embedded Base of any such TRO Affected Element without change to CLEC on a transitional basis. At any time after CLEC receives notice from SBC pursuant to Section 1.3.1 above, but no later than the end of 90 days from the date CLEC received notice, CLEC shall, using the applicable service ordering process and interface, either request disconnection; submit a request for analogous access service; or identify and request another alternative service arrangement.
 - 1.3.3 CLEC agrees to pay all non-recurring charges applicable to the transition of its Embedded Base provided the order activities necessary to facilitate such transition involve physical work (does not include the re-use of facilities in the same configuration) and involve other than a “record order” transaction. The rates, terms and conditions associated with such transactions are set forth in the Pricing Schedule applicable to the service being transitioned to. To the extent that physical work is not involved in the transition and a record order is generated, the record order service charge will be the only applicable charge. SBC will complete CLEC transition orders in accordance with the OSS guidelines in place in support of the analogous service that the CLEC is requesting the ULS/UNE-P be transitioned to with any disruption to the end user’s service reduced to a minimum or, where technically feasible given current systems and processes, no disruption should occur. Where disruption is unavoidable due to technical considerations, SBC shall accomplish such conversions in a manner to minimize a disruption detectable to the end user. Where necessary or appropriate, SBC and CLEC shall coordinate such conversions.

1.4 Notwithstanding anything to the contrary in the Agreement, including any amendments to the Agreement, at the end of the ninety day transitional period, unless CLEC has submitted a disconnect/discontinuance LSR or ASR, as applicable, under subparagraph 1.1.3.2(i), above, and if CLEC and [SBC] have failed to reach agreement, under subparagraph 1.1.3.2(ii), above, as to a substitute service arrangement or element, then [SBC] will convert the subject element(s), whether alone or in combination with or as part of any other arrangement to an analogous resale or access service or arrangement, if available, at rates applicable to such analogous service or arrangement.

2.0 TRO Remand Affected Unbundled Local Circuit Switching and UNE-P Elements.

2.1 SBC shall not be required to provide Unbundled Local Circuit Switching and UNE-P (ULS/UNE-P) Elements under Section 251(c)(3) pursuant to Rule 51.319(d)(2) of the FCC's TRO Remand (TRRO) Order Element(s) as follows where the ULS/UNE-P is requested or provisioned for the purpose of serving DS-0 capacity loops:

2.1.1 The Parties acknowledge that if CLEC does not have an Embedded Base ULS/UNE- customers served through the Agreement then the terms and conditions of this Section 2.0 as to the continued provision of the Embedded Base of ULS/UNE-P shall not apply and CLEC reserves its rights as to whether the requirements of this Section 2.0 as to the continued provision of the Embedded Base of ULS or UNE-P are in accordance with Applicable Law. Effective March 11, 2005, whether or not CLEC has an Embedded Base of either ULS or UNE-P customers, SBC is not required to provide new ULS, either alone or in combination (as in with "UNE-P") as an unbundled network element under Section 251 of the Act. SBC shall continue to provide access to ULS and UNE-P to CLEC for CLEC to serve its Embedded Base of customers in accordance with Rule 51.319(d)(2)(iii) as may be modified by effective orders issued by the Michigan Public Service Commission, such as those issued by the Michigan Public Service Commission in Case Nos. U-14303, 14305, and U-14447, the price for such ULS and UNE-P shall be the higher of (A) the rate at which CLEC obtained such ULS and UNE-P on June 15, 2004 plus one dollar, or (B) the rate the applicable state commission established(s), if any, between June 16, 2004, and March 11, 2005, for such ULS and UNE-P, plus one dollar. If the state commission established a rate for ULS or UNE-P between June 16, 2004 and March 11, 2005 that increased some rate elements and decreased other rate elements, SBC must either accept or reject all of the recently established rates of the elements that comprise a combination when establishing the transitional rate for ULS or UNE-P. CLEC shall be fully liable to SBC to pay such pricing under the Agreement effective as of March 11, 2005, including applicable terms and conditions setting forth penalties for failure to comply with payment terms, notwithstanding anything to the contrary in the Agreement, provided that bills rendered prior to the effective date of this Attachment that include such rate increases shall not be subject to late payments charges, as to such increases, if CLEC pays such increased amount within thirty (30) days after the effective date of this Attachment.

2.1.1.1 CLEC shall be entitled to initiate feature add and/or change orders, record orders, and disconnect orders for Embedded Base customers. CLEC shall also be entitled to initiate orders for the conversion of UNE-P to a UNE line splitting arrangement to serve the same end user and UNE line splitting arrangement to UNE-P for the same end-user.

2.1.1.2 Feature adds and/or change orders as referenced in Section 2.1.1.1 include features that SBC has available and activated in the Local Circuit Switch.

2.1.1.3 Pursuant to Rule 51.319(d)(4)(i), SBC shall provide a CLEC with nondiscriminatory access to signaling, call-related databases and shared transport facilities on an unbundled

basis, in accordance with section 251 (c)(3) of the Act in accordance with and only to the extent permitted by the terms and conditions set forth in the Agreement.

- 2.1.2 SBC shall continue to provide access to ULS/UNE-P for CLEC to serve its Embedded Base of customers under this Section 2.1.2, in accordance with and only to the extent permitted by the terms and conditions set forth in this Attachment, for a transitional period of time, ending upon the earlier of:
- (a) CLEC's disconnection or other discontinuance [except Suspend/Restore] of use of one or more of the ULS or UNE-P;
 - (b) CLEC's transition of a ULS Element(s) or UNE-P to an alternative arrangement; or
 - (c) March 11, 2006.
- 2.1.3 Pursuant to Rule 51.319(d)(2)(ii), CLECs shall migrate the Embedded Base of end-user customers off of the unbundled local circuit switching element to an alternative arrangement within 12 months of the effective date of the TRRO, i.e., March 11, 2006. CLEC and SBC agree to utilize the twelve-month transition period as set forth by the FCC in Paragraph 227 to perform the tasks necessary to complete an orderly transition including the CLECs submission of the necessary orders to convert their Embedded Base of ULS/UNE-P customers to an alternative service.
- 2.1.3.1 To the extent CLEC intends to convert its Embedded Base of ULS/UNE-P arrangements to an alternative SBC service arrangement, CLEC shall generate the orders necessary to convert its Embedded Base of ULS/UNE-P arrangements to an alternative SBC service arrangement in accordance with the ULS/UNE-P Transition Plan established by the FCC in the TRRO unless otherwise agreed to by the Parties.
- 2.1.3.2 SBC will complete CLEC transition orders in support of the analogous service that the CLEC is requesting the ULS/UNE-P be transitioned to with any disruption to the end user's service reduced to a minimum or, where technically feasible given current systems and processes, no disruption should occur. Where disruption is unavoidable due to technical considerations, SBC shall accomplish such conversions in a manner to minimize an disruption detectable to the end user. Where necessary or appropriate, SBC and CLEC shall coordinate such conversions
- 2.1.3.3 Where no physical work is required, SBC shall not impose any termination, reconnection, disconnection or other nonrecurring charges, except for an Electronic Service Order (Flow Through) Record Simple charge, associated with any conversion or any discontinuance of any TRO Remand Declassified Element. Any discontinuance of any TRO Remand Declassified Element and the conversion shall take place in a seamless manner that does not affect the customer's perception of service quality.
- 2.1.3.4 To the extent there are CLEC Embedded Base ULS/ UNE-P arrangements in place at the conclusion of the twelve (12) month transition period, SBC, without further notice or liability, will re-price such arrangements to market-based rates. However, if CLEC has met all of its due dates as agreed to by the Parties, including dates renegotiated between the Parties, and SBC does not make the hot cuts per the schedule established in Case No. U-14463 and as a consequence ULS or UNE-P remains in place, then until such time as such ULS or UNE-P remains in place it should be priced at the rates in the Pricing Schedule attached to the Agreement plus \$1.00.

- 2.1.4 Notwithstanding the foregoing provisions of Section 2.1 and unless the CLEC specifically requests or has contractually agreed otherwise, to the extent an Embedded Base ULS/UNE-P customer is migrated to a functionally equivalent alternative service arrangement prior to March 11, 2006, the ULS/UNE-P Transition Rate shall continue to apply until March 10, 2006.
- 2.2 The provisions of this Section 2.0, apply and are operative with respect to SBC's unbundling obligations under Section 251 regardless of whether CLEC is requesting ULS/UNE-P under the Agreement or under a state tariff, if applicable, and regardless of whether the state tariff is referenced in the Agreement or not.
- 3.0 TRO Remand Affected Unbundled High-Capacity Loops and Transport.**
- 3.1 Pursuant to Rule 51.319(a) and Rule 51.319(e) as set forth in the TRO Remand Order, effective March 11, 2005, CLEC is not permitted to obtain the following new high-capacity loops and dedicated transport as unbundled elements under Section 251, either alone or in a Section 251 combination, except as follows:
- 3.1.1 Dark Fiber Unbundled Loops. Pursuant to Rule 51.319(a)(6)(i), SBC is not required to provide requesting telecommunications carrier with access to a dark fiber loop on an unbundled basis.
- 3.1.2 DS1 Loops. Pursuant to Rule 51.319(a)(4)(i), SBC shall provide CLEC, upon CLEC's request, with nondiscriminatory access to DS1 Loops on an unbundled basis to any building not served by (a) a Wire Center with at least 60,000 business lines and (b) at least four fiber-based collocators. Once the wire center meets the requirements of Section 4.0 and the Wire Center exceeds both of these thresholds, no future DS1 Loop unbundling will be required of SBC in that Wire Center, except as otherwise set forth in this Attachment.
- 3.1.2.1 Pursuant to Rule 51.319(a)(4)(ii), CLEC may obtain a maximum of ten unbundled DS1 Loops to any single building in which DS1 Loops are available as unbundled Loops.
- 3.1.3 DS3 Loops. Pursuant to Rule 51.319(e)(2), SBC shall provide CLEC, upon CLEC's request, with nondiscriminatory access to DS3 Loops on an unbundled basis to any building not served by (a) a Wire Center with at least 38,000 business lines and (b) at least four fiber-based collocators. Once the wire center meets the requirements of Section 4.0 and the Wire Center exceeds both of these thresholds, no future DS3 Loop unbundling will be required of SBC in that Wire Center, except as otherwise set forth in this Attachment.
- 3.1.3.1 Pursuant to Rule 51.319(e)(2), CLEC may obtain a maximum of a single unbundled DS3 Loop to any single building in which DS3 Loops are available as unbundled Loops.
- 3.1.4 DS1 Unbundled Dedicated Transport. Pursuant to Rule 51.319(e)(2) SBC shall provide CLEC, upon CLEC's request, with nondiscriminatory access to DS1 Unbundled Dedicated Transport. Once the wire center meets the requirements of Section 4 and the wire centers on both ends of the transport route between wire centers are determined to be Tier 1 wire centers as defined in Section 0.1.9 of this Attachment, no future DS1 Unbundled Dedicated Transport will be required of SBC on such routes, except as otherwise set forth in this Attachment.
- 3.1.4.1 Pursuant to Rule 51.319(3), a requesting CLEC may obtain a maximum of ten unbundled DS1 dedicated transport circuits on each route where DS1 dedicated transport is available on an unbundled basis.
- 3.1.5 DS3 Unbundled Dedicated Transport. Pursuant to 51.319(e)(2), SBC shall provide CLEC, upon CLEC's request, with nondiscriminatory access to DS3 Unbundled Dedicated Transport. Once the

wire center meets the requirements of Section 4.0 and the wire centers on both ends of the transport route between wire centers are determined to be either Tier 1 or Tier 2 wire centers as defined in Sections 0.1.9 and 0.1.10 of this Attachment, no future DS3 Unbundled Dedicated Transport will be required of SBC on such routes, except as otherwise set forth in this Attachment.

3.1.5.1 Pursuant to Rule 51.319(e)(2), a requesting CLEC may obtain a maximum of twelve unbundled DS3 dedicated transport circuits on each route where DS3 dedicated transport is available on an unbundled basis.

3.1.6 Dark Fiber Unbundled Dedicated Transport. Pursuant to Rule 51.319(e)(2) SBC shall provide CLEC, upon CLEC's request, with nondiscriminatory access to Dark Fiber Unbundled Dedicated Transport. Once the wire center meets the requirements of Section 4.0 and the wire centers on both ends of the transport route between wire centers are determined to be either Tier 1 or Tier 2 wire centers as defined in Sections 0.1.9 and 0.1.10 of this Attachment, no future Dark Fiber Unbundled Dedicated Transport will be required of SBC on such routes, except as otherwise set forth in this Attachment.

3.2 Transition of TRO Remand Affected Unbundled High Capacity Loops and Transport. Pursuant to Rules 51.319(a)(4)(iii) for DS1 Loops, Rule 51.319(a)(5)(iii) for DS3 Loops, Rule 51.319(e)(2)(C) for DS1 dedicated transport and 51.319(e)(iii)(C) for DS3 dedicated transport, for a 12-month period beginning on the effective date of the TRRO any such unbundled network elements that are no longer required to be provided pursuant to Section 251 as outlined in Section 1.3.1 above, [SBC] shall continue to provide CLEC's Embedded Base of such arrangements ordered by CLEC before March 11, 2005 for a 12-month period beginning on the effective date of the TRRO, i.e., March 11, 2005 with such transition period ending on March 11, 2006. Dark Fiber Loops, pursuant to Rule 51.319(a)(6), and Dark Fiber Dedicated Transport, pursuant to Rule 51.319(e)(2)(iv)B, are no longer required to be provided pursuant to Section 251. SBC shall continue to provide CLEC's Embedded Base of the High-Capacity Dark Fiber Transport arrangements for an 18-month period beginning on the effective date of the TRRO, i.e., March 11, 2005 with such transition period ending on September 11, 2006.

3.2.1 During the transition periods defined in Section 3.2 the rates for the High-Capacity Loop and Transport Embedded Base arrangements, pursuant to Rule 51.319(a), shall be the higher of (A) the rate CLEC paid for the Affected Element(s) as of June 15, 2004 plus 15% or (B) the rate the state commission has established or establishes, if any, between June 16, 2004 and March 11, 2005 for the Affected Element(s), plus 15% effective as of March 11, 2005. CLEC shall be fully liable to SBC to pay such pricing under the Agreement, including applicable terms and conditions setting forth penalties for failure to comply with payment terms, notwithstanding anything to the contrary in the Agreement.

3.2.2 Where SBC is no longer required to provide the Unbundled Loops and Transport as defined in Section 3.1 of this Attachment, CLEC shall generate the orders necessary to disconnect or convert the Embedded Base of High-Capacity DS1 and DS3 Loop and Transport arrangements to analogous services where available in accordance with the Unbundled Loop and Transport Transition Plan established by the FCC in the TRRO unless otherwise agreed to by the Parties.

With respect to Dark Fiber Loops and Transport, CLEC shall generate the orders necessary to disconnect such arrangements and return the facilities to SBC by the end of the transition period.

3.2.2.1 SBC will complete CLEC transition orders in accordance with the OSS guidelines in place in support of the analogous service that the CLEC is requesting the Loop or Transport arrangement be transitioned to with any disruption to the end user's service reduced to a

minimum or, where technically feasible given current systems and processes, no disruption should occur. Where disruption is unavoidable due to technical considerations, SBC shall accomplish such conversions in a manner to minimize any disruption detectable to the end user. Where necessary or appropriate, SBC and CLEC shall coordinate such conversions.

3.2.2.2 Where no physical work is required, SBC shall not impose any termination, reconnection, disconnection or other nonrecurring charges, except for an Electronic Service Order (Flow Through) Record charge, associated with any conversion or any discontinuance of any TRO Remand Declassified Element. Any discontinuance of any TRO Remand Declassified Element and the conversion shall take place in a seamless manner that does not affect the customer's perception of service quality.

3.2.2.3 [Intentionally left blank]

3.2.2.4 If CLEC has not submitted an LSR or ASR, as applicable, to SBC requesting conversion of the Affected DS1 and DS3 Loop/Transport Elements to another wholesale service, then on March 11, 2006, SBC, at its option, shall convert such loop(s)/transport to an analogous special access arrangement at month-to-month pricing. Nothing in this Section prohibits the parties from agreeing upon another service arrangement within the requisite transition timeframe (e.g., via a separate agreement at market-based rates). If CLEC has not submitted an LSR or ASR, as applicable, to SBC requesting that the Affected Dark Fiber Loop and Transport arrangements be disconnected and returned to SBC, SBC shall disconnect such arrangements.

4.0 Non-Impaired Wire Center Criteria and Related Processes.

4.1 SBC has designated and posted to CLEC Online the wire centers where it contends the thresholds for DS1 and DS3 Unbundled High-Capacity Loops as defined in Section 0.1.8 and for Tier 1 and Tier 2 Non-Impaired Wire Centers as defined in Sections 0.1.9 and 0.1.10 have been met. SBC's designations shall be treated as controlling (even if CLEC believes the list is inaccurate) for purposes of transition and ordering unless CLEC provides a self-certification as outlined below. Until CLEC provides a self-certification for High-Capacity Loops and/or Transport for such wire center designations, CLEC will not submit High Capacity Loop and/or Transport orders based on the wire center designation, and if no self-certification is provided will transition its Embedded Base of DS1 and DS3 Loop and Transport arrangements affected by the designation by disconnecting or transitioning to an alternate facility or arrangement, if available, by March 11, 2006. CLEC will transition any affected Dark Fiber Transport arrangements affected by the wire center designations by disconnecting or transitioning to an alternate facility or arrangement, if available, by September 11, 2006. SBC will update the CLEC Online posted list and will advise CLECs of such posting via Accessible Letter, which term for the purposes of this Section 4.0 shall be deemed to mean an Accessible Letter issued after the effective date of this Amendment, as set forth in this Section 4.0.

If the Michigan Commission has not previously determined, in any proceeding, that a wire center is properly designated as a wire center meeting the thresholds set forth in Sections 0.1.8, 0.1.9 or 0.1.10, then, prior to submitting an order for an unbundled a DS1/DS3 High-Capacity Loop, DS1/DS3 Dedicated Transport or Dark Fiber Dedicated Transport arrangement, CLEC shall perform a reasonably diligent inquiry to determine that, to the best of CLEC's knowledge, whether the wire center meets the non-impairment thresholds as set forth in Sections 0.1.8, 0.1.9 or 0.1.10 of this Amendment. If, based on its reasonably diligent inquiry, the CLEC disputes the SBC wire center non-impairment designation, the CLEC will provide a self-certification to SBC identifying the wire center(s) that it is self-certifying for. In performing its inquiry, CLEC shall not be required to consider any lists of non-impaired Wire Centers compiled by SBC as creating a presumption that

a Wire Center is not impaired. CLEC can send a letter to SBC claiming Self Certification or CLEC may elect to self-certify using a written or electronic notification sent to SBC. If CLEC makes such a self-certification, and CLEC is otherwise entitled to the ordered element under the Agreement, SBC shall provision the requested facilities in accordance with CLEC's order and within SBC's standard ordering interval applicable to such facilities. If SBC in error rejects CLEC orders, where CLEC has provided self certification in accordance with this Section 4.0, SBC will modify its systems to accept such orders within 5 business hours of CLEC notification to its account manager.

- 4.1.1 The parties recognize that wire centers that are not designated as meeting the FCC's non-impairment thresholds as of March 11, 2005, may meet those thresholds in the future. In the event that a wire center that is not currently designated as meeting one or more of the FCC's non-impairment thresholds, meets one or more of these thresholds at a later date, SBC may add the wire center to the list of designated wire centers and the Parties will use the following process:
- 4.1.1.1 SBC may update the wire center list as changes occur, but may not update the list more frequently than one time during any given six month period.
 - 4.1.1.2 To designate a wire center that had previously not met one or more of the FCC's impairment thresholds but subsequently does so, SBC will provide notification to CLEC via Accessible Letter and by a posting on CLEC Online.
 - 4.1.1.3 SBC will continue to accept CLEC orders for impacted DS1/DS3 High Capacity Loops, DS1/DS3 Dedicated Transport and/or Dark Fiber Dedicated Transport without requiring CLEC self-certification for 30 calendar days after the date the Accessible Letter is issued.
 - 4.1.1.4 In the event the CLEC disagrees with SBC's determination and desires not to have the applicable established DS1/DS3 High Capacity Loops, DS1/DS3 Dedicated Transport and/or Dark Fiber Dedicated Transport transitioned or disconnected, as set forth in Section 4.1.1.5 below, CLEC has 60 calendar days from the issuance of the Accessible Letter to provide a self-certification to SBC. If the CLEC does not self-certify within this 60 day period, then the rights and obligations of the parties will be governed by Section 4.1.1.5 and/or Section 4.10 as may be appropriate.
 - 4.1.1.5 If the CLEC does not use the self-certification process described in Section 4.0 to self-certify against SBC's wire center designation within 60 calendar days of the issuance of the Accessible Letter, the parties must comply with the Applicable Transitional Period as follows: transition applicable to DS1/ DS3 High Capacity Loops is within 9 months, transition applicable to DS1/DS3 Dedicated Transport is within 9 months, and disconnection applicable to Dark Fiber Dedicated Transport is within 12 months. All Transitional Periods apply from the date of the Accessible Letter providing the wire center designation of non-impairment. For the Applicable Transitional Period, no additional notification will be required. During the Applicable Transitional Period, CLEC may not obtain new (not ordered prior to the Applicable Transitional Period) DS1/DS3 High Capacity Loops, DS1/DS3 Dedicated Transport and/or Dark Fiber Dedicated Transport in wire centers and/or routes where such circuits have been listed as declassified by SBC in an Accessible Letter, except as otherwise provided for under Section 4.10 of this Attachment.
 - 4.1.1.6 If the CLEC does provide self-certification to dispute SBC's designation determination within 60 calendar days of the issuance of the Accessible Letter pursuant to Section 4.1.1.4, or after such time pursuant to Section 4.10 herein, SBC may dispute CLEC's self-

certification as described in Sections 4.1.3 and 4.1.4, and SBC will accept and provision the applicable loop and transport orders for the CLEC providing the self certification during a dispute resolution process.

- 4.1.1.7 During the applicable transition period, the rates paid will be the rates in effect at the time of the non-impairment designations plus 15%.
- 4.1.2 If the Michigan Commission has previously determined, in any proceeding, even if CLEC was not a party to that proceeding where appropriate notice has been provided to the CLEC and where CLEC has the opportunity to participate, that a wire center is properly designated as a wire center meeting the thresholds set forth in Sections 0.1.8, 0.1.9 or 0.1.10, then CLEC shall not request DS1/DS3 High-Capacity Loops, DS1/DS3 Dedicated Transport or Dark Fiber Dedicated Transport arrangements declassified by the non-impairment status of the wire center in such wire center.
- 4.1.3 In the state of Michigan, if it desires to do so, SBC can dispute the self-certification and associated CLEC orders for facilities pursuant to Michigan Commission-established procedures set forth by the Commission in Case No. U-14447. SBC shall serve CLEC with a copy of any SBC filing contesting any Self Certification of any carrier so CLEC is fully apprised to potential Commission determination under the process set forth in Case No. U-14447 regarding non-impairment of wire centers. In accordance with the requirements of Case No. U-14447, SBC's failure to file a timely challenge, i.e., 10 calendar days after the self certification, to any CLEC's Self Certification for a given Wire Center shall be deemed a waiver by SBC of its rights to challenge any subsequent Self Certification for the affected Wire Center. SBC shall promptly notify CLEC of any time where SBC has waived its ability to challenge a Self-Certification as to any Wire Center for carrier; and such waiver shall constitute a waiver of SBC to challenge any CLEC Self-Certification pertaining to the same Wire Center unless the underlying facts pertaining to the impairment of non-impairment have changed in which case the Parties will follow the provisions for updating the wire center list outlined in Section 4.1.1. During the timeframe of any dispute resolution proceeding, SBC shall continue to provide the High-Capacity Loop or Transport facility in question to CLEC at the rates in the Pricing Appendix to the Agreement. If CLEC's Self Certification is ultimately found to be in error by the Commission, CLEC will convert the affected facilities ordered in the wire center to an alternative service arrangement and shall be required to pay SBC the differential of the initial rates charged to the rate of the analogous service converted to based on the date that the facility was installed or the wire center was initially identified by SBC as being non impaired, whichever is later. The initial rates charged will include only charges reflected in the underlying interconnection agreement or tariff, if applicable, and will not include any analogous service elements or the increase referenced in Section 4.1.1.7. Any late payment charges, penalties, or interest associated with the true-up amount is waived for the period the affected facilities were in place plus 30 (thirty) days after the date the self-certification was found in error. Except as otherwise required by the Commission in any challenge permitted by Case No. U-14447, SBC shall not be permitted to audit CLEC's Self Certification. If SBC's challenge to CLEC's Self Certification is rejected or not accepted by the Commission, or if SBC has waived its ability to challenge CLEC's Self-Certification, then SBC must treat the Self Certification as being valid and SBC shall continue to provide the facilities in question to CLEC at the rates in the Pricing Appendix to the Agreement.
- 4.1.4 In the event of a dispute following CLEC's Self-Certification, upon request by the Commission or CLEC, SBC will make available, subject to the appropriate state or federal protective order, and other reasonable safeguards, all documentation and all data upon which SBC intends to rely, which will include the detailed business line information for the SBC wire center or centers that are the subject of the dispute. Any requests for additional information shall be resolved through the discovery process as described in the Commission's March 29, 2005 Order in Case No. U-14447.

- 4.2 [Intentionally left blank.]
- 4.3 The provisions of Section 3.2.2 shall apply to the transition of DS1/DS3 High-Capacity Loops, DS1/DS3 Dedicated Transport or Dark Fiber Dedicated Transport arrangements impacted by wire center designation(s). Cross-connects provided by SBC in conjunction with such Loops and/or Transport shall be billed at applicable wholesale rates (i.e. if conversion is to an access product, they will be charged at applicable access rates). Cross-connects that are not associated with such transitioned DS1/DS3 High-Capacity Loops, DS1/DS3 Dedicated Transport or Dark Fiber Dedicated Transport arrangements shall not be re-priced.
- 4.4 SBC will process orders for DS1/DS3 High Capacity Loops, DS1/DS3 Dedicated Transport, or Dark Fiber Transport conversion or disconnection consistent with the end of the applicable transitional period identified in Section 4.1.1.5. SBC will not convert or disconnect these services prior to the end of the applicable transitional period unless specifically requested by the CLEC.
- 4.5 A building that is served by both an impaired wire center and a non impaired wire center and that is located in the serving area of the impaired wire center will continue to have Affected Elements available from the impaired wire center and support incremental moves, adds, and changes otherwise permitted by the Agreement, as amended.
- 4.6 Notwithstanding anything to the contrary in the Agreement, including any amendments to this Agreement, at the end of the Applicable Transitional Period, unless CLEC has submitted a disconnect/discontinuance LSR or ASR, as applicable, under Section 3.2.2 above, and if CLEC and SBC MICHIGAN have failed to reach agreement under Section 3.2.2.4 above as to a substitute service arrangement or element, then SBC may, at its sole option, disconnect dark fiber element(s), whether previously provided alone or in combination with or as part of any other arrangement, or convert the subject element(s), whether alone or in combination with or as part of any other arrangement to an analogous resale or access service, if available at rates applicable to such analogous service or arrangement.
- 4.7 [Intentionally left blank.]
- 4.8 [Intentionally left blank.]
- 4.9 [Intentionally left blank.]
- 4.10 When more than 60 days from the issuance of an SBC designation of a wire center has elapsed, and if there has been no prior Commission determination of non-impairment as to the applicable wire center(s), CLEC can thereafter still self-certify. SBC may dispute CLEC's self-certification as described in Section 4.1.3 through 4.1.4, and SBC will accept and provision the applicable loop and transport orders for the CLEC providing the self certification during a dispute resolution process.

5.0 Commingling and Commingled Arrangements.

- 5.1 SBC shall permit CLEC to Commingle a UNE or a combination of UNEs with facilities or services obtained at wholesale from SBC. Where SBC (or where one of the SBC RBOC affiliates in Illinois, Indiana, Ohio and Wisconsin) provides a particular Commingled Arrangement to any CLEC, SBC shall also be obligated to provision that Commingled Arrangement under this Agreement. The types of Commingled Arrangements which SBC is required to provide as of the date on which this Agreement is effective will be posted on CLEC Online, and updated from when new commingling arrangements are made available. SBC's Commingled

Arrangements posted to CLEC-Online as of May 1, 2005 as available and fully tested on an end-to-end basis from ordering through provisioning and billing, include the following:

- i. UNE DS-0 Loop connected to a channelized Special Access DS1 Interoffice Facility, via a special access 1/0 mux
- ii. UNE DS1 Loop connected to a channelized Special Access DS3 Interoffice Facility, via a special access 3/1 mux#
- iii. UNE DS3 Loop connected to a non-concatenated Special Access Higher Capacity Interoffice Facility (e.g., SONET Service)#
- iv. UNE DS1 Dedicated Transport connected to a channelized Special Access DS3 Loop#
- v. UNE DS3 Dedicated Transport connected to a non-concatenated Special Access Higher Capacity Loop (i.e., SONET Service)#
- vi. Special Access Loop connected to channelized UNE DS1 Dedicated Transport, via a 1/0 UNE mux
- vii. Special Access DS1 loop connected to channelized UNE DS3 Dedicated Transport, via a 3/1 UNE mux#
- viii. UNE loop to special access multiplexer

The following Commingled Arrangements posted to CLEC-Online as of May 1, 2005 will be available upon the completion of testing on an end-to-end basis from ordering through provisioning and billing. Such testing will be completed no later than June 15, 2005.

- ix. UNE DS1 Loop connected to a non-channelized Special Access DS1 Interoffice Facility or UNE DS1 Interoffice Transport connected to a Special Access DS1 Loop#
- x. UNE DS3 Loop connected to a non-channelized Special Access DS3 Interoffice Facility or a UNE DS3 Interoffice Transport Facility connected to a DS3 Special Access Loop#
- xi. UNE DS3 Dedicated Transport connected to a non-channelized Special Access DS3 Loop#
- xii. Special Access DS1 channel termination connected to non-channelized UNE DS1 Dedicated Transport#
- xiii. While not a commingling arrangement, SBC will support the connection of high-capacity loops to a special access multiplexer.

Indicates that FCC's mandatory eligibility criteria of 47 C.F.R. § 51.318(b) applies, including the collocation requirement.

- 5.1.1 To the extent that SBC requires the CLEC to submit orders for the commingling arrangements included in 5.1 (i) through (xii) manually, the mechanized service order charge shall be applicable.
- 5.1.2 For any commingling arrangement the CLEC desires that is not included in Section 5.1 of this Attachment, or subsequently established by SBC, CLEC shall request any such desired commingling arrangement and SBC shall respond pursuant to the Bona Fide Request Process (BFR) as outlined in the underlying Agreement. Through the BFR process, once the Parties agree that the development will be undertaken to make a new commingling arrangement available, SBC will work with the CLEC to process orders for new commingling arrangements on a manual basis pending the completion of systems development.
- 5.2 Upon request and to the extent provided by applicable law and the provisions of the Amended Agreement, SBC shall permit CLEC to connect a Section 251 UNE or a combination of Section 251 UNEs with facilities or services obtained at wholesale from SBC (including access services) and/or with compatible network components or services provided by CLEC or third parties, including, without limitation, those Commingled Combinations consistent with Section 5.0 of this Attachment.

- 5.3 [Intentionally left blank]
- 5.4 For example, without limitation of this provision, SBC will, upon request, connect loops leased or owned by CLEC to a third-party's collocation arrangement upon being presented with documentation that the CLEC has authorization from the third party to connect loops. In addition, SBC will, upon request, connect an EEL leased by CLEC to a third-party's collocation upon presentation of documentation of authorization. In addition, SBC will, upon request and documentation of authorization, connect third-party loops and EELs to CLEC collocation sites. An EEL provided hereunder may terminate to a third party's collocation arrangement that meets the requirements of Section 6.3.4 upon presentation of documentation of authorization by that third party. Subject to the other provisions hereof, Section 251 UNE loops may be accessed via cross-connection to a third party's Section 251(c)(6)'s collocation arrangement upon presentation of documentation of authorization by that third party.
- 5.5 Upon request, and to the extent required by applicable law and the applicable provisions of this Attachment, SBC shall perform the functions necessary to Commingle a Section 251 UNE or a combination of Section 251 UNEs with one or more facilities or services that CLEC has obtained at wholesale from SBC (as well as requests where CLEC also wants SBC to complete the actual Commingling), except that SBC shall have no obligation to perform the functions necessary to Commingle (or to complete the actual Commingling) if (i) it is not technically feasible; or (ii) it would undermine the ability of other Telecommunications Carriers to obtain access to UNEs or to Interconnect with SBC's network. Subject to the terms and conditions of the Agreement and this Attachment, CLEC may connect, combine, or otherwise attach UNEs and combinations of UNEs to wholesale services obtained from SBC, and SBC shall not deny access to Section 251 UNEs and combinations of Section 251 UNEs on the grounds that such facilities or services are somehow connected, combined or otherwise attached to wholesale services obtained from SBC.
- 5.6 SBC shall only charge CLEC the recurring and non-recurring charges in commingling service order processes where physical work is required to create the commingled arrangement as set forth in the Pricing Schedule attached to this Agreement applicable to the Section 251 UNE(s), facilities or services that CLEC has obtained at wholesale from SBC. Where there is no physical work and a record order type is necessary to create the commingled arrangement, only such record order charge shall apply. Notwithstanding any other provision of the Agreement or any SBC tariff, the recurring and non-recurring charges applicable to each portion of a Commingled facility or service shall not exceed the rate for the portion if it were purchased separately unless otherwise agreed to by the Parties pursuant to the BFR process.
- 5.7 When CLEC purchases Commingled Arrangements from SBC, SBC shall charge CLEC element-by-element and service-by-service rates. SBC shall not be required to, and shall not, provide "ratcheting" as a result of Commingling or a Commingled Arrangement, as that term is used in the FCC's Triennial Review Order. As a general matter, "Ratcheting" is a pricing mechanism that involves billing a single circuit at multiple rates to develop a single, blended rate.
- 5.8 [Intentionally left blank.]
- 5.9 [Intentionally left blank.]
- 5.10 Unless expressly prohibited by the terms of this Attachment, SBC shall permit CLEC to connect an unbundled Network Element or a Combination of unbundled Network Elements with wholesale (i) services obtained from SBC, (ii) services obtained from third parties or (iii) facilities provided by CLEC. For purposes of example only, CLEC may Commingle unbundled Network Elements or Combinations of unbundled Network Elements with other services and facilities including, but not limited to, switched and special access services, or services purchased under resale arrangements with SBC.

6.0 EELs.

- 6.1 SBC agrees to make available to CLEC Enhanced Extended Links (EELs) on the terms and conditions set forth below. SBC shall not impose any additional conditions or limitations upon obtaining access to EELs or to any other UNE combinations, other than those set out in this Agreement. Except as provided below in this Section 6.0 and subject to this Section 6.1, SBC shall provide access to Section 251 UNEs and combinations of Section 251 UNEs without regard to whether CLEC seeks access to the UNEs to establish a new circuit or to convert an existing circuit from a service to UNEs provided the rates, terms and conditions under which such Section 251 UNEs are to be provided are included within the CLEC's underlying Agreement.
- 6.2 An EEL that consists of a combination of voice grade to DS-0 level UNE local loops combined with a UNE DS1 or DS3 Dedicated Transport (a "Low-Capacity EEL") shall not be required to satisfy the Eligibility Requirements set out in this Sections 6.2 and 6.3. If an EEL is made up of a combination that includes one or more of the following described combinations (the "High-Cap EELs"), each circuit to be provided to each customer is required to terminate in a collocation arrangement that meets the requirements of Section 6.3.4 below (e.g., the end of the UNE dedicated transport that is opposite the end connected to the UNE loop must be accessed by CLEC at such a collocation arrangement via a cross-connect unless the EEL is commingled with a wholesale service in which case the wholesale service must terminate at the collocation). A High-Cap EEL is either:
- (A) an unbundled DS1 loop in combination, or commingled, with a dedicated DS1 transport or dedicated DS3 or higher transport facility or service, or to an unbundled DS3 loop in combination, or commingled, with a dedicated DS3 or higher transport facility or service; or
 - (B) an unbundled dedicated DS1 transport facility in combination, or Commingled, with an unbundled DS1 loop or a DS1 channel termination service, or to an unbundled dedicated DS3 transport facility in combination, or Commingled, with an unbundled DS1 loop or a DS1 channel termination service, or to an unbundled DS3 loop or a DS3 or higher channel termination service.
- 6.3 SBC shall make Low Capacity EELs available to CLEC without restriction, except as otherwise provided in the Agreement or this Attachment. SBC shall provide access to the High-Cap EELs (Sections 6.2(A) and 6.2(B)) only when CLEC satisfies the following service eligibility criteria:
- 6.3.1. CLEC (directly and not via an affiliate) has received state certification (or equivalent regulatory approval, as applicable) from the Commission to provide local voice service in the area being served. By issuing an order for an EEL, CLEC certifies that it has the necessary processes and procedures in place to certify that such it will meet the EELs Mandatory Eligibility Criteria for each such order it submits. SBC hereby acknowledges that CLEC has received sufficient state certifications to satisfy these criteria.
 - 6.3.1.1 At CLEC's option, CLEC may also or alternatively provide self certification via email or letter to SBC. Provided that SBC has received such self certification from CLEC, SBC shall not deny CLEC access to High-Capacity EELs. Anything to the contrary in this Section notwithstanding, CLEC shall not be required to provide certification to obtain access to lower capacity EELs, other Combinations or individual unbundled Network Elements.
 - 6.3.1.1.1 This alternative method of certification-by-order applies only to certifications of eligibility criteria set forth in this Section 6, and not to self-certifications relative to routes, buildings and wire centers.

- 6.3.2 The following criteria must be satisfied for each High-Cap EEL, including without limitation each DS1 circuit, each DS3 circuit, each DS1 EEL and each DS1 equivalent circuit on a DS3 EEL pursuant to TRO Rule 51.318(b)(2):
- (i) Each circuit to be provided to each customer will be assigned a local number prior to the provision of service over that circuit. Each DS1 circuit to be provided to each end user customer will have at least one DS-0 assigned a local telephone number (NPA-NXX-XXXX).
 - (ii) Each DS1-equivalent circuit on a DS3 EEL must have its own Local telephone number assignment, so that each DS3 must have at least 28 Local voice telephone numbers assigned to it;
 - (iii) Each DS1 equivalent circuit to be provided to each customer will have designed 911 or E911 capability prior to the provision of service over that circuit.
 - (iv) Each DS1 circuit to be provided to each customer will terminate in a collocation arrangement meeting the requirements of Section 6.3.4, of this Attachment;
 - (v) Each DS1 circuit to be provided to each end user customer will be served by an interconnection trunk that meets the requirements of Section 6.3.4 of this Attachment;
 - (vi) For each 24 DS1 EELs or other facilities having equivalent capacity, CLEC will have at least one active DS1 local service interconnection trunk that meets the requirements of Section 6.3.5 of this Attachment; and
 - (vii) Each DS1 circuit to be provided to each customer will be served by a switch capable of switching local voice traffic.
- 6.3.3 The criteria set forth in this Section 6.0 shall apply in any arrangement that includes more than one of the UNEs, facilities, or services set forth in Section 6.2, including, without limitation, to any arrangement where one or more UNEs, facilities, or services not set forth in Section 6.2 is also included or otherwise used in that arrangement (whether as part of a UNE combination, Commingled Arrangement, or a Special Access to UNE Conversion), and irrespective of the placement or sequence of them.
- 6.3.4 Pursuant to the collocation terms and conditions in the underlying Agreement, a collocation arrangement meets the requirements of Section 6.0 of this Attachment if it is:
- (A) Established pursuant to Section 251(c)(6) of the Act and located at SBC's premises within the same LATA as the customer's premises, when SBC is not the collocator; or
 - (B) Established pursuant to any collocation type defined in any SBC Tariff to the extent applicable, or any applicable CLEC interconnection agreement.
 - (C) Located at a third party's premises within the same LATA as the customer's premises, when the incumbent LEC is the collocator.
- 6.3.5 Pursuant to the network interconnection terms and conditions in the underlying Agreement, an interconnection trunk (e.g., entrance facility) meets the requirements of Sections 6.3.2(v) and 6.3.2(vii) of this Attachment if CLEC will transmit the calling party's Local Telephone Number in connection with calls exchanged over the trunk (e.g., entrance facility).
- 6.3.6 [Intentionally left blank]

- 6.3.7 Before (1) converting a High-Cap wholesale service to a High-Cap EEL, (2) ordering a new High-Cap EEL Arrangement, or (3) ordering a High-Cap EEL that is comprised of commingled wholesale services and UNEs, CLEC must certify to all of the requirements set out in Section 6.3 for each circuit. To the extent the service eligibility criteria for High Capacity EELs apply, CLEC shall be permitted to self-certify its compliance with the eligibility criteria by providing SBC written notification. Upon CLEC's self-certification of compliance, in accordance with this Attachment, SBC shall provide the requested EEL and shall not exercise self help to deny the provisioning of the requested EEL
- 6.3.8 SBC may audit CLEC's compliance with service eligibility criteria as defined in Section 6.3.2 ("Eligibility Criteria") by obtaining and paying for an independent auditor to audit, on no more frequently than an annual basis, CLEC's compliance in Michigan with the conditions set out in Section 6. Such an audit will be initiated only to the extent reasonably necessary to determine CLEC's compliance with the Eligibility Criteria. For purposes of calculating and applying an "annual basis", "annual basis" shall mean a consecutive 12-month period, beginning upon SBC's written notice that an audit will be performed for Michigan.
- 6.3.8.1 To invoke its limited right to audit, SBC will send a Notice of Audit to CLEC, identifying examples of particular High-Cap EELs for which SBC alleges non-compliance and the cause upon which SBC rests its audit. The Notice of Audit shall state the proposed scope of the audit and include all supporting documentation upon which SBC establishes the cause that forms the basis of its belief that CLEC is non-compliant. Such Notice of Audit will be delivered to CLEC with supporting documentation no less than thirty (30) calendar days prior to the date upon which SBC seeks to commence an audit. The Notice of Audit shall identify the proposed independent auditor. Such auditor may not be substantially dependent upon either Party for work.
- 6.3.8.2 Unless otherwise agreed by the Parties (including at the time of the audit), the independent auditor shall perform its evaluation in accordance with the standards established by the American Institute for Certified Public Accountants, which will require the auditor to perform an "examination engagement" and issue an opinion that includes the auditor's determination regarding CLEC's compliance with the Eligibility Criteria. The independent auditor's report will conclude whether CLEC complied in all material respects with the Eligibility Criteria.
- 6.3.8.3 Consistent with standard auditing practices, such audits require compliance testing designed by the independent auditor, which typically include an examination of a sample selected in accordance with the independent auditor's judgment.
- 6.3.8.4 SBC shall provide CLEC with a copy of the independent auditor's report within 2 business days from the date of receipt. The independent auditor's report shall state the scope of the audit that was performed. If CLEC disagrees as to the findings or conclusions of the auditor's report, CLEC may bring a dispute directly to the Michigan Commission. Prior to bringing a dispute to the Michigan Commission under this section, however, CLEC shall provide notice of the dispute to SBC so that the Parties can discuss possible resolution of the dispute. Such dispute resolution discussions shall be completed within fourteen (14) days of the date the auditor's report was provided to CLEC and CLEC may not initiate a dispute resolution proceeding at the Michigan Commission until after expiration of this fourteen (14) day period. The Dispute Resolution process set forth in the General Terms and Conditions of the Agreement shall not apply to a dispute of the findings or conclusions of the auditor's report. If the auditor's report concludes that CLEC failed to

comply with the Eligibility Criteria for a High-Cap EEL, CLEC must true-up any difference in payments paid to SBC and the rates and charges CLEC would have owed SBC beginning from the date that the non-compliance of the High-Cap EEL with the Eligibility Criteria, in whole or in part, began. CLEC shall submit orders to SBC to either convert all noncompliant High-Cap EELs to the equivalent or substantially similar wholesale service or disconnect non-compliant High-Cap EELs. Conversion and/or disconnect orders shall be submitted within 45 days of the date on which CLEC receives a copy of the auditor's report and CLEC shall begin paying the true-up and correct rates and charges for each converted High-Cap EEL beginning with the next billing cycle following SBC's acceptance of such order, unless CLEC disputes the auditor's finding and initiates a proceeding at the Michigan Commission for resolution of the dispute, in which case no changes shall be made until the Commission rules on the dispute. However CLEC shall pay the disputed amount into an escrow account, pending resolution. With respect to any noncompliant High-Cap EEL for which CLEC fails to submit a conversion or disconnect order or dispute the auditor's finding to the Michigan Commission within such 45-day time period, SBC may initiate and effect such a conversion on its own without any further consent by CLEC. If converted, CLEC must convert the non-compliant High-Cap EEL to an equivalent or substantially similar wholesale service, or group of wholesale services. Reasonable steps will be taken to avoid disruption to CLEC's customer's service or degradation in service quality in the case of conversion. Following conversion, CLEC shall make the correct payments on a going-forward basis. In no event shall rates set under Section 252(d)(1) apply for the use of any High-Cap EEL for any period in which the High-Cap EEL does not meet the criteria for that High-Cap EEL. Furthermore, if CLEC disputes the auditor's finding and initiates a proceeding at the Michigan Commission and if the Commission upholds the auditor's finding, the disputed amounts held in escrow shall be paid to SBC and SBC shall retain any disputed amounts already paid by CLEC.

- 6.3.8.5 CLEC will take action to correct the noncompliance and, if the number of circuits found to be non-compliant is 10% or greater than the number of circuits investigated, CLEC will reimburse SBC for 100% of the cost of the independent auditor; if the number of circuits found to be non-compliant is less than 10%, CLEC will reimburse SBC in an amount that is in direct proportion to the number of circuits found to be non-compliant. CLEC will maintain the appropriate documentation to support its self-certifications. The CLEC reimbursement in this Section 6.3.8.5 is only applicable where there is an auditor finding of noncompliance and no party challenges this finding with the Commission, or if there is an auditor finding of noncompliance followed by a party filing a challenge to this with the Commission followed by the Commission affirming the auditor finding of noncompliance.
- 6.3.8.6 To the extent the auditor's report concludes that CLEC complied with the Eligibility Criteria for all High-Cap EELs that were audited, SBC must reimburse CLEC for all of its reasonable costs associated with the audit.
- 6.3.8.7 CLEC will maintain the appropriate documentation to support its self certifications of compliance with the Eligibility Criteria pursuant to the document retention terms and conditions of the underlying Agreement. To the extent the underlying Agreement does not include document retention terms and conditions, CLEC will maintain the appropriate documentation to support its self certifications for as long as the Agreement is operative, plus a period of two years.
- 6.3.8.8 SBC can seek such an audit for any particular High-Cap EEL for the period which is the shorter of (i) the period subsequent to the last day of the period covered by the audit

which was last performed, provided that the High-Cap EEL was within the scope of such prior audit as stated in the independent auditor's report and (ii) the twenty-four (24) month period immediately preceding the date notice of such audit is provided to CLEC, but in any event not prior to the date the circuit was established.

6.3.8.9 In the event that the underlying Agreement does not contain a backbilling statute of limitations, backbilling pursuant to Section 6 is limited to two years prior to the date of the Notice of Audit.

6.4 Provisioning for EELs

6.4.1 With respect to an EEL, CLEC will be responsible for all Channel Facility Assignment (CFA). The CFA are the assignments CLEC provides to SBC from CLEC's collocation arrangement.

6.4.2 SBC will perform all maintenance functions on EELs during a mutually agreeable timeframe to test and make adjustments appropriate for maintaining the UNEs in satisfactory operating condition. No credit will be allowed for normal service disruptions involved during such testing and adjustments. Standard credit practices will apply to any service disruptions not directly associated with the testing and adjustment process.

6.4.3 EELs may utilize multiplexing capabilities. The high capacity EEL (DS1_unbundled loop combined with a DS1 or DS3 UDT; or DS3 unbundled loop combined with DS3 UDT) may be obtained by CLEC if available and if CLEC meets all services eligibility requirements set forth in this Section 6.0.

6.5 [Intentionally left blank]

6.6 Other than the service eligibility criteria set forth in this Section, SBC shall not impose limitations, restrictions, or requirements on requests for the use of UNEs for the service a telecommunications carrier seeks to offer

7.0 **Availability of HFPL for Purposes of Line Sharing.**

7.1 SBC shall make available to CLEC (or its proper successor or assign pursuant to the terms of the Agreement) line sharing over the HFPL in accordance with the FCC's *Triennial Review Order* and associated lawful and effective implementing rules, 47 C.F.R. §51.319(a)(1)(i)-(iv) and (b)(1).

7.2 Grandfathered and New End-Users: SBC will continue to provide access to the HFPL, where: (i) prior to October 2, 2003, CLEC began providing xDSL service to a particular end-user customer and has not ceased providing xDSL service to that customer ("Grandfathered End-Users"); and/or (ii) CLEC began providing xDSL service to a particular end-user customer between October 2, 2003, and December 3, 2004 ("New End-Users"). Such access to the HFPL shall be provided at the same monthly recurring rate that SBC charged prior to October 2, 2003 as set forth in Appendix Pricing of this Agreement, and shall continue for Grandfathered End-Users until CLEC's xDSL-base service to the end-user customer is disconnected for whatever reason, and as to New End-Users the earlier of: (1) CLEC's xDSL-base of service to the customer is disconnected for whatever reason; or (2) October 2, 2006. Beginning October 2, 2006, SBC shall have no obligation to continue to provide the HFPL for CLEC to provide xDSL-based service to any New End-Users that CLEC began providing xDSL-based service to over the HFPL on or after October 2, 2003 and before December 3, 2004. Rather, effective October 2, 2006, CLEC must provide xDSL-based service to any such new end-user customer(s) via a line splitting arrangement, over a stand-alone xDSL Loop purchased from SBC, or through an alternate arrangement, if any, that the Parties may negotiate. Any references to the

HFPL being made available as an unbundled network element or "UNE" are hereby deleted from the underlying Agreement.

8.0 **Routine Network Modifications.**

8.1 **Routine Network Modifications – UNE Local Loops**

8.1.1 SBC shall make all routine network modifications to UNE Local Loop facilities used by requesting telecommunications carriers where the requested UNE Local Loop facility has already been constructed. SBC shall perform all routine network modifications to UNE Local Loop facilities in a nondiscriminatory fashion, without regard to whether the UNE Local Loop facility being accessed was constructed on behalf, or in accordance with the specifications, of any carrier.

8.1.2 A routine network modification is an activity that SBC regularly undertakes for its own customers. Routine network modifications include, but are not limited to, rearranging or splicing of cable; adding an equipment case; adding a doubler or repeater; adding a smart jack; installing a repeater shelf; adding a line card; deploying a new multiplexer or reconfiguring an existing multiplexer; and attaching electronic and other equipment that the incumbent LEC ordinarily attaches to activate such loops for its own customers. Routine network modifications may entail activities such as accessing manholes, splicing into existing cable, deploying bucket trucks to reach aerial cable, and installing equipment casings.

8.1.3 Routine network modifications do not include the construction of an altogether new loop; installing new aerial or buried cable; securing permits or rights-of-way; constructing and/or placing new manholes, or conduits or installing new terminals; or removing or reconfiguring packetized transmission facility. SBC is not obligated to perform the above stated activities for a requesting telecommunications carrier.

8.1.4 [Intentionally left blank.]

8.1.5 [Intentionally left blank.]

8.1.6 Where expenses resulting from routine network modifications are not already recovered by either monthly recurring or non-recurring rates paid by the CLEC to access a UNE, SBC shall provide routine network modifications at the rates, terms and conditions set out in this Attachment, and in the state specific Appendix Pricing. SBC will be required to substantiate any charges for Routine Network Modifications that it believes are not included in costs already recovered through existing, applicable recurring and non-recurring charges. Until such time as the parties agree or the state commission determines that SBC is allowed to assess additional charges for any specific routine network modification, beyond its already established monthly recurring and non-recurring charges for accessing a UNE, SBC will assess no such charge. While the parties negotiate any such additional charge or during the period wherein a state commission is reaching a decision related to such charges, SBC will nonetheless undertake the routine network modification at the CLEC's request without delay. If agreement is reached or a commission decision is entered allowing SBC to recover additional expenses associated with the specific routine network modification at issue, the CLEC agrees to be responsible for such charges if it has requested SBC to perform the work.

8.2 **Routine Network Modifications – UNE Dedicated Transport and Dark Fiber**

8.2.1 SBC shall make all routine network modifications to UNE Dedicated Transport including Dark Fiber facilities used by requesting telecommunications carriers where the requested UNE Dedicated

Transport including Dark Fiber facilities have already been constructed. SBC shall perform all routine network modifications to UNE Dedicated Transport including Dark Fiber facilities in a nondiscriminatory fashion, without regard to whether the UNE Dedicated Transport including Dark Fiber facility being accessed was constructed on behalf, or in accordance with the specifications, of any carrier.

- 8.2.2 A routine network modification is an activity that SBC regularly undertakes for its own customers. Routine network modifications include, but are not limited to, rearranging or splicing of cable, adding an equipment case, adding a doubler or repeater, adding a smart jack, installing a repeater shelf, adding a line card and deploying a new multiplexer or reconfiguring an existing multiplexer. Routine network modifications may entail activities such as accessing manholes, deploying bucket trucks to reach aerial cable and installing equipment casings. Routine network modifications do not include the installation of new aerial or buried cable for a requesting telecommunications carrier.
- 8.2.3 Routine network modifications do not include the construction of new UNE Dedicated Transport including Dark Fiber; installing new aerial or buried cable; securing permits or rights-of-way; constructing and/or placing new manholes, or conduits or installing new terminals. SBC is not obligated to perform the above stated activities for a requesting telecommunications carrier. However, when a CLEC purchases Dark Fiber, SBC shall not be obligated to provide the optronics for the purpose of lighting the Dark Fiber.

9.0 [Intentionally left blank.]

10.0 Conversions.

10.1 Conversion of Wholesale Services to UNEs

- 10.1.1 Upon request, SBC shall convert a wholesale service, or group of wholesale services, to the equivalent UNE, or combination of UNEs, that is available to CLEC under terms and conditions set forth in this Attachment, so long as the CLEC and the wholesale service, or group of wholesale services, and the UNEs, or combination of UNEs, that would result from the conversion meet the eligibility criteria that may be applicable. (By way of example only, the statutory conditions would constitute one such eligibility criterion.)
- 10.1.2 Where processes for the conversion requested pursuant to this Attachment are not already in place, SBC will develop and implement processes, subject to any associated rates, terms and conditions. The Parties will comply with any applicable Change Management guidelines. Unless otherwise agreed to in writing by the Parties, such conversion shall be completed in a manner so that the correct charge is reflected on the next billing cycle after CLEC's request. SBC agrees that CLEC may request the conversion of such special access circuits on a "project" basis. For other types of conversions, until such time as the Parties have agreed upon processes for such conversions, SBC agrees to process CLEC's conversion requests on a case-by-case basis and without delay.
- 10.1.2.1 For UNE conversion orders for which SBC has either a) not developed a process or b) developed a process that falls out for manual handling, SBC will charge CLEC the Electronic Service Order (Flow Thru) Record charge for processing CLEC's orders until such process has been developed and CLEC agrees to immediately use the electronic process. Then SBC may charge service order charges and/or record change charges, as applicable.

- 10.1.2.2 Except as agreed to by the Parties or otherwise provided hereunder, SBC shall not impose any untariffed termination charges, or any disconnection fees, re-connection fees, or charges associated with converting an existing wholesale service or group of wholesale services to UNEs or combinations of UNEs. SBC may charge applicable service order charges or record change charges.
- 10.1.3 SBC will complete CLEC conversion orders in accordance with the OSS guidelines in place in support of the conversion that the CLEC is requesting with any disruption to the end user's service reduced to a minimum or, where technically feasible given current systems and processes, no disruption should occur. Where disruption is unavoidable due to technical considerations, SBC shall accomplish such conversions in a manner to minimize an disruption detectable to the end user. Where necessary or appropriate, SBC and CLEC shall coordinate such conversions
- 10.1.3.1 Where no physical work is required, SBC shall not impose any termination, reconnection, disconnection or other nonrecurring charges, except for an Electronic Service Order (Flow Through) Record charge, associated with any conversion. Any conversion shall take place in a seamless manner that does not affect the customer's perception of service quality.
- 10.1.4 SBC shall perform any conversion from a wholesale service or group of wholesale services to a unbundled Network Element or Combination of unbundled Network Elements, in such a way so that no service interruption as a result of the conversion will be discernable to the end user customers.
- 10.1.5 Except as provided in 10.1.2, in requesting a conversion of an SBC service, CLEC must follow the standard guidelines and ordering requirements that are applicable to converting the particular SBC service sought to be converted.

11.0 FTTH Loops, FTTC Loops, and Retirement of Copper Loops.

- 11.1 The following items shall apply to FTTH and FTTC Loops.
- 11.1.1 New Builds. SBC shall not be required to provide nondiscriminatory access to a FTTH or FTTC Loop on an unbundled basis where SBC has deployed such a Loop to premises that previously was not served by any SBC Loop.
- 11.1.2 Overbuilds. SBC shall not be required to provide nondiscriminatory access to a FTTH or FTTC Loop on an unbundled basis when SBC has deployed such a Loop parallel to, or in replacement of, an existing copper Loop facility, except that:
- (a) SBC shall maintain the existing copper Loop connected to the particular customer premises after deploying the FTTH/FTTC Loop and provide nondiscriminatory access to that copper Loop on an unbundled basis unless SBC retires the copper Loop pursuant to the terms of Section 11.1.3.
 - (b) If SBC maintains the existing copper Loop pursuant to this Section 11.1.2, SBC need not incur any expenses to ensure that the existing copper loop remains capable of transmitting signals. Prior to receiving a request for access by CLEC, upon receipt of a request for access pursuant to this section, SBC shall restore the copper loop to serviceable condition and will maintain the copper loop when such loop is being purchased by CLEC on an unbundled basis under the provisions of this Attachment.

(c) If SBC retires the copper Loop pursuant to Section 11.1.3 below, it shall provide nondiscriminatory access to 64 kilobits per second transmission paths capable of voice grade service over the FTTH/FTTC Loop on an unbundled basis on the same rates and terms applicable under the Agreement to a DS-0 Local Loop to the same premises were such a loop available.

11.1.3 Prior to retiring any copper loop or copper subloop that has been replaced with a FTTH/FTTC loop, SBC must comply with the network disclosure requirements set forth in Section 251 (c) (5) of the Act and in 47 C.F.R. 51.325 through 51.335 and any applicable state requirements. If a CLEC is leasing a Copper Loop when SBC submits its notice pursuant to the foregoing sentence, SBC shall also (i) provide CLEC with a copy of such Short Term notice via an accessible letter and (ii) perform, upon CLEC request, a line station transfer ("LST") where an alternative copper or non-packetized hybrid (TDM) loop is available. In order to request an LST, CLEC must have the rates, terms and conditions for an LST in the underlying Agreement. CLEC will be billed and shall pay for such an LST at the rates set forth in the pricing Appendix. If no such rates, terms and conditions exist in the underlying Agreement, CLEC can request an LST pursuant to the rates, terms and conditions in SBC's Generic Interconnection Agreement.

11.1.4 SBC shall not engineer the transmission capabilities of its network in a manner, or engage in any policy, practice, or procedure, that disrupts or degrades CLEC's access to, or ability to tap the full capabilities of, a local loop or subloop. As such, SBC's modification of loop plant (e.g., removing copper feeder facilities and stranding CLEC's access to distribution subloop) shall not limit or restrict CLEC's ability to access all of the loop features, functions and capabilities, including DSL capabilities, nor increase the price of any loop used by, or to be used by, CLEC. Furthermore, SBC will comply with 47 CFR 51.325 through 51.335, and any applicable state requirements.

11.2 Hybrid Loops Generally

11.2.1 Broadband Services. When CLEC seeks access to a Hybrid Loop for the provision of broadband services SBC shall provide CLEC with nondiscriminatory access to the time division multiplexing features, functions, and capabilities of that Hybrid Loop, including DS1 or DS3 capacity (where impairment has been found to exist), regardless of the type of DLC systems (e.g., NGDLC, UDLC, IDLC) on an unbundled basis, to establish a complete transmission path between the SBC central office and an end user customer premise. This access shall include access to all features, functions, and capabilities of the Hybrid Loop that are not used to transmit packetized information.

11.2.2 Narrowband Services. When CLEC seeks access to a Hybrid Loop for the provision to its customer of narrowband services, SBC shall either (a) provide nondiscriminatory access to a spare home-run copper Loop serving that customer on an unbundled basis, or (b) provide nondiscriminatory access, on an unbundled basis, to an entire Hybrid Loop capable of voice-grade service (i.e., equivalent to DS-0 capacity), using time division multiplexing technology at a rate no higher than the DS-0 loop rate in the Pricing Appendix.

11.2.3 Feeder. SBC shall not be required to provide access to the Feeder portion of a Loop on an unbundled, standalone basis.

12.0 Use of Unbundled Network Elements

12.1 Except as provided in Section 6.0 of this Attachment, SBC shall not impose limitations, restrictions, or requirements on requests for, or the use of, unbundled network elements for the service a requesting telecommunications carrier seeks to offer.

- 12.2 A requesting telecommunications carrier may not access an unbundled network element for the sole purpose of providing non-qualifying services.
- 12.3 A requesting telecommunications carrier that accesses and uses an unbundled network element pursuant to Section 251(c)(3) of the Act and this part to provide a qualifying service may use the same unbundled network element to provide non-qualifying services.
- 13.0 **[Intentionally left blank.]**

**AMENDMENT
SUPERSEDING CERTAIN RECIPROCAL COMPENSATION,
INTERCONNECTION AND TRUNKING TERMS**

This Amendment Superseding Certain Reciprocal Compensation, Interconnection and Trunking Terms ("Amendment") is applicable to this and any future Interconnection Agreement between Illinois Bell Telephone Company d/b/a AT&T Illinois, Indiana Bell Telephone Company Incorporated d/b/a AT&T Indiana, Michigan Bell Telephone Company d/b/a AT&T Michigan, The Ohio Bell Telephone Company d/b/a AT&T Ohio, Wisconsin Bell Inc. d/b/a AT&T Wisconsin, Nevada Bell Telephone Company d/b/a AT&T Nevada, Pacific Bell Telephone Company d/b/a AT&T California, The Southern New England Telephone Company d/b/a AT&T Connecticut, and Southwestern Bell Telephone Company d/b/a AT&T Arkansas, AT&T Kansas, AT&T Missouri, AT&T Oklahoma and/or AT&T Texas in the states of Arkansas, California, Connecticut, Illinois, Indiana, Kansas, Michigan, Missouri, Nevada, Ohio, Oklahoma, Texas or Wisconsin and any of its future affiliates or subsidiaries which are the Incumbent Local Exchange Carrier (hereinafter "ILEC") in the above listed states and MCImetro Access Transmission Services LLC (including those Agreements held by MCI as successor in interest to Brooks Fiber Communications of Arkansas, Inc., Brooks Fiber Communications of Bakersfield, Inc., Brooks Fiber Communications of Connecticut, Inc., Brooks Fiber Communications of Fresno, Inc., Brooks Fiber Communications of Michigan, Inc., Brooks Fiber Communications of Missouri, Inc., Brooks Fiber Communications of Nevada, Inc., Brooks Fiber Communications of Ohio, Inc., Brooks Fiber Communications of Oklahoma, Inc., Brooks Fiber Communications of Sacramento, Inc., Brooks Fiber Communications of San Jose, Inc., Brooks Fiber Communications of Stockton, Inc., Brooks Fiber Communications of Texas, Inc., Brooks Fiber Communications of Tulsa, Inc.; MCI WORLDCOM Communications, Inc., f/k/a MFS Communications Company, Inc. or MFS Intelenet of Connecticut, Inc. or WorldCom Technologies, Inc. or MCI WorldCom Technologies, Inc., Intermedia Communications LLC) and any of its future affiliates or subsidiaries which are a competitive Local Exchange Carrier (hereinafter "CLEC") in: California, Nevada, Texas, Missouri, Oklahoma, Kansas, Arkansas, Illinois, Wisconsin, Michigan, Indiana, Ohio, or Connecticut ("13-State Region") through the Termination Date, whether negotiated, arbitrated, or arrived at through the exercise of Section 252 (i) "Most Favored Nation" ("MFN") rights; but only to the extent that any such future CLEC affiliate or subsidiary (i) is operating as a competitive Local Exchange Carrier in ILEC's territory in the 13-State Region and (ii) is interconnected and exchanging traffic with ILEC as a competitive Local Exchange Carrier. The Parties acknowledge and agree that CLEC has competitive Local Exchange Carrier affiliates that, in addition to operating as a competitive Local Exchange Carrier, operate as an incumbent Local Exchange Carrier or in some other Non-CLEC capacity ("Non-CLEC Operations"). The Parties agree that nothing in this Amendment is intended to bind CLECs future competitive Local Exchange Carrier affiliates or subsidiaries in any manner for such Non-CLEC Operations. ILEC and CLEC may be referred to individually as "Party" or collectively as the "Parties".

WHEREAS, ILEC and CLEC entered into an interconnection agreement pursuant to Sections 251 and 252 of the Communications Act of 1934, as amended (the "Act") that was approved by the state commission (the "ICA"); and

WHEREAS, for the states of California, Nevada, Texas, Missouri, Oklahoma, Kansas, Arkansas, Illinois, Wisconsin, Michigan, Indiana, Ohio or Connecticut the Parties wish to amend, modify and supersede certain compensation, interconnection and trunking provisions of the ICA that are addressed in this Amendment and also incorporate the terms of this Amendment in future interconnection agreements between the Parties in such states through the Termination Date; and

WHEREAS, the Parties wish to establish rates, terms and conditions for the exchange of ISP-bound, Section 251(b)(5) and other compensable traffic including, but not limited to, compensable traffic that originates from or terminates to an MCI end user which is provided local telephone service (dialtone) via an ILEC end office switching provided to MCI by ILEC on a non-resale, wholesale basis (e.g., UNE-P/unbundled local switching if and to the extent available, a Local Wholesale Complete product, 271 local switching); and

WHEREAS, the Parties agree that they can identify ISP-bound traffic through the use of billing and other technical information rather than by means of the ratio set forth in the FCC's ISP Remand Order.

NOW, THEREFORE, for and in consideration of the premises, mutual promises and covenants contained in this Amendment, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties agree as follows:

1. The term of this Amendment shall commence on August 1, 2007¹ ("Effective Date") and shall continue until July 31, 2009. Thereafter, this Amendment will remain in full force and effect unless terminated by either Party by providing at least thirty (30) days' written notice to the other Party (collectively, the "Termination Date"). As of the Effective Date, this Amendment terminates and supersedes in its entirety a certain "Amendment Superseding Certain Reciprocal Compensation, Interconnection and Trunking Terms" and a certain Implementation Letter both entered into by the Parties on May 1, 2007.

1.1 The Parties agree that this Amendment will act to supersede, amend and modify the applicable provisions currently contained in the ICA. This

¹ Notwithstanding anything to the contrary in the Agreement (including, as applicable, this Amendment and any other Amendments to the Agreement ("Agreement")), in the event that any other telecommunications carrier should adopt the Parties' ICA and this Amendment pursuant to Section 252(i) of the Act ("Adopting CLEC") after August 1, 2007, it is AT&T's position that such adopting CLEC shall only be entitled to receive the rates, terms and conditions as set forth in this amendment prospectively beginning from the date that the MFN provisions become effective between ILEC and the Adopting CLEC, following the date the applicable public utilities commission approves or is deemed to have approved the Adopting CLEC's Section 252(i) adoption ("Section 252(i) Effective Date"). It is further AT&T's position that an Adopting CLEC is not entitled to the application of the rates, terms and conditions under its MFN Provisions to a date prior to its Section 252(i) Effective Date.

Amendment shall also be incorporated into and become a part of, by exhibit, attachment or otherwise, any future interconnection agreement between the Parties through the Termination Date whether negotiated, arbitrated, or arrived at through the exercise of Section 252(i) "Most Favored Nation" ("MFN") rights. Any inconsistencies between the provisions of this Amendment and other provisions of the current ICA or future interconnection agreements described above, through the Termination Date, will be governed by the provisions of this Amendment, unless this Amendment is specifically and expressly superseded by a future amendment between the Parties. However, if the underlying ICA or interconnection agreement expires sooner than the Termination Date, the Parties agree that the Amendment shall not extend or otherwise alter the term and termination rights of the underlying ICA or interconnection agreement, but instead, the Amendment will be incorporated into any successor interconnection agreement between the Parties through the Termination Date.

2. Except as provided in Section 3 below, during the term of this Amendment period, August 1, 2007 through the Termination Date, the Parties agree that neither of the Parties will seek, directly or indirectly, to obtain alternate terms and conditions to those stated in this Amendment. If, during the term of this Amendment, CLEC adopts another agreement pursuant to Section 252(i), it must amend the adopted interconnection agreement with this Amendment. Such Amendment shall be filed with the state Commission at the same time that the MFN agreement is filed so that this Amendment will apply uninterrupted from August 1, 2007 through the Termination Date. If the ILECs have voluntarily entered into an interconnection agreement which is applicable to the thirteen-state region as a whole, CLEC or its Affiliate(s) may exercise its rights under section 252(i) of the Act to obtain the rates, terms, and conditions of such agreement in its entirety provided that the agreement is otherwise available for adoption. This waiver includes, but is not limited to, any material sale of CLEC's assets, in which case CLEC shall obtain the purchaser's consent to be bound by the reciprocal compensation terms and conditions set forth herein.
3. Notwithstanding the provisions of Sections 2 or 18 or anything else herein, during the period from August 1, 2007 through the Termination Date, the Parties waive any rights they may have under the Intervening/Change of Law provisions, of the Parties' ICAs in effect during the term of this Amendment with respect to any intercarrier compensation, POIs or trunking requirements that are subject to this Amendment; provided, however, that if an FCC order related to intercarrier compensation becomes effective after the Effective Date of this Amendment, including, without limitation, orders issued in CC Docket 96-98, the FCC's rulemaking in *In the Matter of Developing a Unified Intercarrier Compensation Regime*, CC Docket 0192, established in Notice of Proposed Rulemaking Order No. 01-132 (April 27, 2001) and/or *In the Matter of IP Enabled Services*, WC Docket 04-36 ("FCC Order"), the affected provisions of this Amendment relating

to reciprocal compensation, Total Compensable Traffic (as defined herein), POIs or trunking requirements shall be invalidated, modified, or stayed, consistent with such FCC Order, with such invalidation, modification, or stay becoming effective only upon the date of the written request of either Party once the FCC Order has become effective (the "Written Request"). In such event, upon receipt of the Written Request, the Parties shall expend diligent efforts to arrive at an agreement regarding the appropriate conforming modifications to the ICAs, future interconnection agreement(s) and Amendment (including any separate amendments to such agreements). If negotiations fail, disputes between the Parties concerning the interpretation of the actions required or provisions affected by such FCC Order shall be resolved pursuant to the dispute resolution process provided for in the ICAs or future interconnection agreement(s), provided, however, that the rates, terms and conditions ultimately ordered by a state commission in the complaint proceeding or negotiated by the Parties during the dispute resolution process shall be retroactive to the effective date of the Written Request following such FCC Order. Except as set forth in this Section 3 with respect to reciprocal compensation, Total Compensable Traffic (as defined herein), POIs and trunking requirements provisions, during the time period from Effective Date through and including the Termination Date, each Party shall have full intervening law rights under this Amendment (as set forth in Section 17.5 below) and any intervening law rights in the underlying Agreement, and may invoke such intervening law/change in law rights as to any provisions in the ICA or future interconnections agreement(s) (including any separate amendments) impacted by any regulatory, legislative or judicial action as well as the intervening law rights relating to an FCC Order set forth in this Section 3.

4. POI Requirements

- 4.1 In order to qualify for receipt of compensation for Virtual FX traffic as defined in Section 14.4.1 of this Amendment at the rates provided in the Rate Schedule, attached hereto and made a part hereof as Exhibit B, CLEC must achieve and maintain the minimum points of interconnection and trunk engineering guidelines set forth in Sections 4 through 6 of this Amendment.
- 4.2 Compliance with the provisions of this Amendment shall be on a local calling area by local calling area basis, which means that CLEC's eligibility to receive reciprocal compensation for Virtual FX traffic as defined in Section 14.4.1 of this Amendment shall not be restricted except for the particular local calling area for the same period during which it is not in compliance with Sections 4 through 6 of this Amendment.
- 4.3 CLEC will exert commercially reasonable efforts in each ILEC state to establish a physical POI in each mandatory local calling area in which it has listed telephone numbers (NPA/NXXs) in the Local Exchange Routing

Guide (LERG) or from where CLEC ports telephone numbers listed in the LERG by other local exchange carriers (including ILEC companies).

4.3.1 In California, Nevada, Connecticut, Michigan, Ohio, Indiana, Illinois and Wisconsin, the Parties agree that Section 4 is satisfied, as to all sub-tending end offices and rate centers in which CLEC has established a dialable telephone number local to the rate center or ports any number established by other local exchange carriers (including ILEC companies), if a physical POI is established at the appropriate local or access tandem serving, or at any mutually agreed end office within the rate center.

4.3.2 In Arkansas, Missouri, Kansas, Oklahoma and Texas, the Parties agree that Section 4 is satisfied, as to all sub-tending end offices and rate centers where CLEC has established a dialable telephone number local to the rate center or ports any number established by other local exchange carriers (including ILEC companies), if a physical POI is established at the appropriate tandem, if applicable, or any mutually agreed end office within the local exchange area.

4.4 When establishing a POI required under Section 4 of this Amendment, the Parties agree:

4.4.1 CLEC may utilize existing interconnection arrangements at existing POIs, including the mid-span fiber meet architecture in service or being currently jointly planned; or

4.4.2 CLEC may utilize its collocation facilities in end offices or local tandems within the local calling area or tandem serving area, including, but not limited to fiber cable handoffs. Where CLEC has spare fiber cable in an existing collocation space, CLEC may establish interconnection by terminating such fiber cable to an ILEC fiber optic terminal (FOT). This fiber cable handoff from CLEC's collocation facility to an ILEC FOT shall be in accordance with the applicable collocation provisions in the ICA, interconnection agreement or state tariff. If there are no provisions in the ICA, interconnection agreement or state tariff, then the fiber cable hand-off will be as mutually agreed upon by the Parties; or

4.4.3 CLEC may utilize new, mutually agreed upon, mid-span fiber meets, where CLEC will connect to the ILEC FOT by providing fiber cable at the last entrance (or agreed upon) manhole outside of the tandem, or at the last entrance (or agreed upon) manhole outside of an end office in the rate center where the Parties agree to interconnection at an end office; or

- 4.4.4 CLEC may utilize its existing facilities or the existing facilities of CLEC's interexchange carrier affiliate(s) (IXC), at the AT&T serving wire center locations where CLEC or its IXC have a facilities presence for switched and/or dedicated access traffic; or
 - 4.4.5 CLEC may purchase Special Access or switched dedicated access transport facilities and services from ILEC as provided for in Section 4.8; or
 - 4.4.6 CLEC may utilize the transport facilities from a third party; or
 - 4.4.7 CLEC may utilize any other arrangement that the Parties may agree meets the requirements of Section 4.
- 4.5 The Parties acknowledge that CLEC is currently operating under multiple ICAs in certain states in the AT&T-13-state region. Therefore, when establishing a POI required by Section 4, ILEC will allow CLEC to establish local interconnection trunk groups to transport 251(b)(5) Traffic, ISP-bound Traffic and/or intraLATA traffic utilizing any of CLEC's facilities; provided, however, that CLEC must utilize a separate trunk group on the facility for traffic exchanged under each separate ICA in a state and may not combine traffic from more than one ICA on any trunk group. If CLEC has multiple switches in a LATA operating under a single ICA, CLEC may establish local interconnection trunk groups to transport local and/or intraLATA traffic utilizing the facilities of any CLEC's multiple switches in a LATA; provided, however, that traffic from each CLEC switch will be routed over a separate trunk group on the facility. ILEC will also allow CLEC to establish local interconnection trunk groups to transport local and/or intraLATA traffic utilizing the access facilities of CLEC's IXC affiliate(s); provided, however, that CLEC must utilize a separate trunk group on the facility for traffic exchanged under each separate ICA in a state and may not combine traffic from more than one ICA on any trunk group. CLEC may not combine local interconnection and inter-exchange access traffic over the same trunk group.
- 4.6 Where CLEC and ILEC have an existing interconnection architecture that meets the POI requirements described above, this existing interconnection architecture cannot be changed (including without limitation the elimination or decommissioning of a POI) without the mutual agreement of both Parties. However, subject to Sections 4.2 and 4.3 above, the Parties agree that CLEC may decommission a POI in the event that traffic exchanged through that POI is less than a T1 for three consecutive months, provided, however, CLEC must maintain a POI in each LATA in which it has listed telephone numbers (NPA/NXXs) in the Local Exchange Routing Guide (LERG) or from where CLEC ports telephone numbers listed in the LERG by other local exchange carriers (including ILEC

companies). CLEC must provide ILEC thirty (30) days prior written notice before decommissioning any POI.

- 4.7 When a new POI is established under Section 4, ILEC shall be responsible for the provisioning of facilities on its side of the POI and CLEC shall be responsible for the provisioning of facilities from its side of the POI back to the CLEC facilities and network.
- 4.8 When CLEC establishes a POI by purchasing Special Access facilities and services or switched dedicated access transport facilities and services from ILEC, these facilities shall be considered available for local interconnection trunks; provided, however, that CLEC shall be responsible for the ordering and cost. CLEC may purchase these facilities and services out of the ILEC's intrastate access tariffs or interstate access tariffs, access contracts or other access pricing plans as authorized by the FCC. Except as provided in Section 4.8.1 below, CLEC will submit orders to the applicable ILEC Access Service Center (ASC) and the orders will be governed by the ordering and provisioning terms of the applicable FCC Access tariff.
 - 4.8.1 Where CLEC establishes a new POI by purchasing Special Access facilities from ILEC, the Parties agree that where facilities exist between the new POI to be established and an existing CLEC POI, the new POI may be established as a "Billing POI" by utilizing existing facilities without physically moving trunks onto a newly established dedicated facility. When establishing such a "Billing POI", the CLEC will issue an order to the applicable ILEC ASC for its use of bandwidth on the existing facility, if the facilities were to be installed. In this manner, the Parties agree that new facilities need not be physically established and any ordering and installation and engineering charges shall not apply.
 - 4.8.2 The Parties reserve their rights to challenge in any manner the rates, terms and conditions upon which the dedicated services or facilities referred to in this Section 4.8 are provided by ILEC, including but not limited to challenges pursuant to the dispute resolution provisions of the applicable ICA or interconnection agreement, regardless of the time limits contained therein.
5. During the term of this Amendment, CLEC may order and ILEC will provide, where facilities are available, sufficient dedicated services or facilities as referenced in Section 4.8 to the nearest existing CLEC POI in the Local Access and Transport Area (LATA). ILEC will choose the most efficient facility route to deliver these dedicated services or facilities to the CLEC POI. These dedicated services and facilities will be provided for the purpose of establishing trunking consistent with the traffic engineering guidelines contained in the existing ICA or

interconnection agreement. Trunking services or facilities will be established prior to exchanging live traffic and the Parties agree to abide by the trunk engineering/administration guidelines as stated in the ICA or interconnection agreement.

6. When interconnecting at ILEC's digital End Offices, the Parties have a preference for use of B8ZS ESF two-way trunks for all traffic between their networks. Where available, such trunk equipment will be used for these Local Interconnection Trunk Groups. Where AMI trunks are used, either Party may request upgrade to B8ZS ESF when such equipment is available.
7. The Parties shall establish direct End Office primary high usage Local Interconnection trunk groups when end office traffic (actual or forecasted) requires twenty-four (24) or more trunks for the exchange of IntraLATA Toll and Local traffic. These trunk groups will be two-way and will utilize Signaling System 7 ("SS7") signaling or MF protocol where required.
 - 7.1 The Parties will exert commercially reasonable efforts to achieve and maintain a network architecture within a tandem serving area such that the DEOT does not fall below 70% of the total number of trunks the CLEC has in service in the tandem serving areas for two consecutive months. To determine the 70% threshold, the total number of DEOTs will be divided by the total number of trunks CLEC has in use in the tandem serving area that CLEC has interconnection into. ILEC will be responsible for the provisioning of the DEOTs to the POI and CLEC shall be responsible for making facility assignments at the POI for the DEOTs to be connected to CLEC's transport facilities from the POI back to CLEC's network. If, upon request by ILEC, CLEC does not make the appropriate facility assignments which causes the DEOT to fall below 70% of the total number of trunks the CLEC has in service in the tandem serving areas, ILEC shall be entitled to withhold reciprocal compensation from the particular local calling area. Where the traffic in the tandem serving area does not exceed 144 trunks to justify DEOT at the 70% level, this paragraph shall not apply in such tandem serving area. Where the traffic does exceed 144 trunks to justify DEOT at the 70% level, this paragraph applies to all trunks in that tandem serving area.
8. Under no circumstances will CLEC be penalized for non-compliance with the POI and DEOT requirements if such non-compliance results from ILEC's failure to perform required network administration activities (including provisioning, activation, and translations).
9. The Parties recognize that embedded one-way trunks exist for Local/IntraLATA toll traffic via end point meet facilities. The Parties agree the existing architecture may remain in place and be augmented for growth as needed. The Parties may subsequently agree to negotiate a transition plan to migrate the embedded one-

way trunks to two-way trunks via a mid-span fiber meet architecture as described in Appendix NIM or Network of the applicable ICA or interconnection agreement or, the AT&T-13 STATE Generic Agreement if an Appendix NIM or Network, or a similarly named network appendix, is not contained in said ICA or interconnection agreement. The Parties will coordinate any such migration, trunk group prioritization, and implementation schedule. ILEC agrees to develop a cutover plan and project manage the cutovers with CLEC participation and agreement.

10. When establishing a new POI in an Existing Local Calling Area, CLEC will notify its ILEC Account Manager of its intention to establish a new POI in an existing local calling area 90 days prior to the end of the six month transition period by letter to the ILEC Account Manager for CLEC. This 90 day notice is intended to give both Parties adequate time to plan, issue orders, and implement the orders in the 6 month transition period.
11. When establishing a POI in a New Local Calling Area, CLEC will notify its ILEC Account Manager 90 days prior to the LERG effective date for the new NPA-NXXs it wishes to activate. Joint planning meetings for the new POI will be held within 10 days of ILEC's receipt of such notification. The outcome of the joint planning meeting will be orders for facilities and trunks for the new POI.
12. Upon expiration of this Amendment, CLEC and ILEC agree to evaluate whether to add or eliminate POIs to create an effective post-Amendment architecture. Both Parties will cooperate in adding or eliminating POIs so long as they are consistent with the then effective ICA or interconnection agreement concerning interconnection between the Parties.

13. **Classifications of Traffic**

13.1 Definitions.

"Section 251(b)(5) Traffic" shall mean the traffic that is lawfully compensable under Section 251(b)(5) of the Act as of the Effective Date of this Amendment. For purposes of this Amendment Section 251(b)(5) Traffic shall include mandatory extended area service calls and metropolitan calling area calls (as approved by the applicable Commission as of the Effective Date).

"ISP-Bound Traffic" shall mean any ISP traffic that, as of the Effective Date of this Amendment, is lawfully compensable under the FCC's Order on Remand Report and Order, In the Matter of Implementation of the Local Compensation Provisions in the Telecommunications Act of 1996, Intercarrier Compensation for ISP-Bound Traffic, FCC 01-131, CC Docket Nos. 96-98, 99-68 (released April 27, 2001) ("ISP Remand Order") and the subsequent FCC CoreCom order, FCC 04-241, WC Docket No. 03-171 (released October 18, 2004) granting forbearance from enforcing certain provisions of the ISP Remand Order related to growth caps and the new markets rule.

“Total Compensable Traffic” shall mean the combination of Section 251(b)(5) and ISP-Bound Traffic exchanged by the Parties pursuant to the ICA and the combination of Section 251(b)(5) and ISP-Bound Traffic that originates from or terminates to a CLEC end user which is provided local telephone service (dialtone) via ILEC end office switching provided to CLEC by ILEC on a non-resale, wholesale basis pursuant to the Local Wholesale Complete (“LWC”) agreement between the Parties (effective March 11, 2005) and the 271 Local Switching agreement between the Parties (except for AT&T Connecticut) (effective March 11, 2005) or any successor agreements to the Local Wholesale Complete and 271 Local Switching agreements that may be entered into by the Parties prior to the Termination Date.

“Intercarrier Traffic” includes Section 251(b)(5) Traffic, ISP-Bound Traffic, transited traffic, intraLATA toll, mandatory EAS, optional Extended Area Service (EAS) and Metropolitan Calling Area (MCA) traffic exchanged by the Parties pursuant to the ICAs and both the Local Wholesale Complete agreement between the Parties (effective March 11, 2005) and the 271 Local Switching agreement between the Parties (except for AT&T Connecticut) (effective March 11, 2005) or any successor agreements to the Local Wholesale Complete and 271 Local Switching agreements that may be entered into by the Parties prior to the Termination Date. The terms “transited traffic,” “intraLATA toll,” “mandatory EAS” “optional EAS traffic” and “Metropolitan Calling Area” will have the meaning ascribed to them in the underlying ICAs and future interconnection agreements. InterLATA toll and IXC carried intraLATA toll are subject to Meet Point Billing as outlined in the ICA or interconnection agreement and applicable tariffs.

14. **Compensation**

14.1 The Parties shall compensate each other for all Total Compensable Traffic in accordance with the terms of this Section 14.

14.2 Intentionally Omitted.

14.3 CLEC-Originated Traffic. ILEC shall bill CLEC, for all CLEC-originated Total Compensable Traffic at the state-specific rates set forth in Exhibit A of this Amendment.

14.4 ILEC-Originated Traffic. CLEC shall bill ILEC for all ILEC-originated Total Compensable Traffic at the state-specific rates set forth in Exhibit B of this Amendment. The Parties agree that the Exhibit B rates were calculated based on a CLEC-specific traffic study conducted by ILEC to determine the proportion of ISP-Bound Traffic and 251(b)(5) Traffic originated by ILEC and terminated by CLEC.²

² In the event that any telecommunications carrier should adopt this ICA, which includes this Amendment, pursuant to Section 252(i) of the Act (“Adopting CLEC”), it is ILEC’s position that the Adopting CLEC shall bill ILEC for all ILEC-originated Section 251(b)(5)

14.4.1 If CLEC designates different points for rating and routing such that traffic that originates in one rate center is carried by ILEC to a routing point designated by CLEC in a rate center that is not local to the calling party even though the called NXX is local to the calling party, such traffic, referred to as Virtual Foreign Exchange (Virtual FX) traffic, shall be rated in reference to the rate centers associated with the NXX prefixes of the calling and called parties' numbers, and treated as Total Compensable Traffic for purposes of compensation provided however, that such end users must both be located within the same LATA.

14.5 IntraLATA Access Rates. For intraLATA toll traffic, exchanged pursuant to the ICAs, and both the Local Wholesale Complete agreement between the Parties (effective March 11, 2005) and the 271 Local Switching agreement between the Parties (except for AT&T Connecticut) (effective March 11, 2005) or any successor agreements to the Local Wholesale Complete and 271 Local Switching agreements that may be entered into by the Parties prior to the Termination Date compensation for termination of intercompany traffic will be at terminating access rates for Message Telephone Service (MTS) and originating access rates for 800 Service, including the Carrier Common Line (CCL) charge where applicable, as set forth in each Party's IntraLATA Access Service Tariff, but such compensation shall not exceed the compensation contained in an ILEC's tariff in whose exchange area the End User is located. For interstate intraLATA intercompany service traffic, compensation for termination of intercompany traffic will be at terminating access rates for MTS and originating access rates for 800 Service including the CCL charge, as set forth in each Party's interstate Access Service Tariff, but such compensation shall not exceed the compensation contained in the ILEC's tariff in whose exchange area the End User is located.

Traffic at the state specific rates in Exhibit A, and for ISP-Bound Traffic at the ISP rate of \$.0007 unless and until ILEC conducts a traffic study to determine the percentage of ILEC originated ISP Bound/251(b)(5) Traffic transported and terminated by Adopting CLEC and the ILEC and Adopting CLEC reach agreement on single state-specific rates and amend this Amendment in accordance with procedures set forth in Section 14.7 and Exhibit C. It is ILEC's position that for ISP-Bound Traffic ILEC and Adopting CLEC will use the FCC's rebuttable presumption as described in the underlying ICA. If the underlying ICA does not have rebuttable presumption language, it is ILEC's position that the following language shall apply to Adopting CLEC: (a) The parties agree that the FCC established a rebuttable presumption that all minutes of use exceeding a 3:1 Terminating to Originating Ratio are ISP-bound Traffic subject to the compensation. Specifically, all 251(b)(5) Traffic (which includes traffic exchanged where Adopting CLEC is using end office switching provided to Adopting CLEC by ILEC on a non-resale, wholesale basis pursuant to a Local Wholesale Complete agreement) and ISP-bound Traffic that is terminated by one party for the other party pursuant to the ICA between ILEC and Adopting CLEC within any month in excess of an amount (measured by total minutes of use) that is three times the traffic that is terminated by the other party pursuant to the ICA between ILEC and Adopting CLEC within that month shall be presumed to be ISP-bound Traffic. (b) Both ILEC and Adopting CLEC have the right to rebut the 3:1 ISP presumption and determine actual ISP-bound traffic by any means mutually agreed by the parties, or by any method approved by the applicable regulatory agency, including the Commission. If a party seeking to rebut the presumption and the Commission approves such rebuttal, then that rebuttal shall be applied on a prospective basis as of the date of the Commission approval. For avoidance of doubt, ILEC and CLEC agree that this Footnote 2 has no force or effect between ILEC and CLEC and is intended by ILEC to apply only to Adopting CLECs.

- 14.6 Intercarrier Traffic. The Parties agree that the rates, terms and conditions for Intercarrier Traffic other than Total Compensable Traffic are as set forth in the applicable ICA, agreements, and/or tariff.
- 14.7 Notwithstanding anything to the contrary in this Amendment, either Party may, after this Amendment has been in effect for six (6) months, request that the Parties conduct traffic studies to determine the proportions of ISP-Bound Traffic and Section 251(b)(5) Traffic terminated by each Party. Upon such request, the Parties shall conduct and exchange traffic studies in accordance with the methodology set forth in Exhibit C of this Amendment. Upon completion of such studies, the Parties shall execute an amendment to this Amendment to reflect their agreement to use the resulting proportions of ISP-Bound Traffic and Section 251(b)(5) Traffic from the new studies (and the corresponding state-specific single rates) to compensate each other prospectively for Total Compensable Traffic for the remainder of the term of this Amendment. If the Parties cannot agree upon the appropriate proportion of ISP-Bound Traffic and Section 251(b)(5) Traffic, either Party may take appropriate action at the state Commission pursuant to section 252 of the Act to seek appropriate compensation on ISP-Bound Traffic and Section 251(b)(5) Traffic. If a Party takes such action at the applicable state Commission, the Parties agree to use such proportion and/or methodology approved by the state Commission as of the date of the Commission approval and, in addition, the Commission-ordered proportion/methodology shall be utilized to determine the true-up as described below. During the pendency of any such proceedings to alter the proportion of ISP-Bound Traffic and Section 251(b)(5) Traffic, CLEC and ILEC will remain obligated to pay based on the current proportion of ISP-Bound Traffic and Section 251(b)(5) Traffic, subject to a true-up. Upon conclusion of a state Commission proceeding to determine the appropriate proportion/methodology, the Parties shall use the results of the state Commission proceeding and true-up of any amounts paid on ISP-Bound Traffic and Section 251(b)(5) Traffic retroactive back to the date a Party first sought appropriate relief from the Commission to reflect the revised proportion of ISP-Bound Traffic and Section 251(b)(5) Traffic as ordered by the state Commission.

15. Intentionally Omitted.

16. Intentionally Omitted.

17. Intentionally Omitted.

18. Reservation of Rights

18.1 Intentionally Omitted.

- 18.2 The Parties continue to disagree as to whether ISP calls are subject to reciprocal compensation obligations under their ICAs and interconnection agreements and Section 251(b)(5) of the Act. By entering into this Amendment neither Party waives its right to advocate its view with respect to these issues, however neither Party will attempt in any way to overturn the provisions of this Amendment during its term. Similarly, the Parties agree that nothing in this Amendment shall be construed as an admission that ISP traffic is, or is not, subject to reciprocal compensation obligations under their ICAs and interconnection agreements or Section 251(b)(5). Therefore, ILEC payments to CLEC under the Agreement shall not be construed as agreement by ILEC that calls to ISPs constitute local traffic subject to reciprocal compensation obligations, provided, however, notwithstanding anything to the contrary, the Parties agree that for purposes of this Amendment compensation is payable as set forth in this Amendment.
- 18.3 The Parties continue to disagree as whether CLEC is required to establish a physical POI in each local calling area. By entering into this Amendment, neither Party waives its right to advocate its view with respect to this issue. Similarly, the Parties agree that nothing in this Amendment shall be construed as an admission that CLEC must or must not establish a POI in each local calling area. Therefore, CLEC's establishment of a physical POI in each local calling area under the Amendment shall not be construed as agreement by CLEC that physical POIs are required to be established in each local calling area, provided, however, notwithstanding anything to the contrary, the Parties agree that for purposes of this Amendment physical POIs will be established as set forth in this Amendment.
- 18.4 Except as specifically modified by this Amendment with respect to their mutual obligations herein, neither Party relinquishes, and each Party instead fully reserves, any and all legal rights that it had, has and may have to assert any position with respect to any of the matters set forth herein before any state or federal administrative, legislative, judicial or other legal body.
- 18.5 In entering into this Amendment and carrying out the provisions herein, neither Party waives, but instead expressly reserves, all of its rights, remedies and arguments with respect to any orders, decisions, legislation or proceedings and any remands thereof and any other federal or state regulatory, legislative or judicial action(s), including, without limitation, its intervening law rights (including intervening law rights asserted by either Party via written notice predating this Amendment) relating to the following actions, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further government review: *Verizon v. FCC, et. al*, 535 U.S. 467 (2002); *USTA v. FCC*, 290 F.3d 415

(D.C. Cir. 2002) and following remand and appeal, *USTA v. FCC*, 359 F.3d 554 (D.C. Cir. 2004); the FCC's Triennial Review Order, CC Docket Nos. 01-338, 96-98, and 98-147 (FCC 03-36), and the FCC's Biennial Review Proceeding; the FCC's Supplemental Order Clarification (FCC 00-183) (rel. June 2, 2000), in CC Docket 96-98; and the FCC's Order on Remand and Report and Order in CC Dockets No. 96-98 and 99-68, 16 FCC Rcd 9151 (2001), (rel. April 27, 2001) ("ISP Compensation Order"), which was remanded in *WorldCom, Inc. v. FCC*, 288 F.3d 429 (D.C. Cir. 2002), and as to the FCC's Notice of Proposed Rulemaking as to Intercarrier Compensation, CC Docket 01-92 (Order No. 01-132) (rel. April 27, 2001) (collectively "Government Actions").

19. **Additional Terms and Conditions**

- 19.1 This Amendment contains provisions that have been negotiated as part of an entire amendment and integrated with each other in such a manner that each provision is material to every other provision. The Parties stipulate that they would not have mutually agreed to this entire Amendment if a third party carrier could later opt into this Amendment under section 252 (i) of the Act and enjoy higher rates than are in effect at that point in the rate schedule. By entering into this Amendment, ILEC neither agrees that is obligated to permit, nor waives its rights to contend that it is not obligated to permit, its tandem switching and common transport facilities to be used without compensation for the carriage of Virtual FX traffic.
- 19.2 The Parties agree that each and every rate, term and condition of this Amendment is legitimately related to, and conditioned on, and in consideration for, every other rate, term and condition in the underlying ICA or interconnection agreement. The Parties agree that they would not have agreed to this Amendment except for the fact that it was entered into on a 13-State basis and included the totality of rates, terms and conditions listed herein.
- 19.3 This Amendment is the joint work product of the Parties and has been negotiated by the Parties and their respective counsel and shall be fairly interpreted in accordance with its terms and, in the event of any ambiguities, no inferences shall be drawn against either Party.
- 19.4 The terms contained in this Amendment and its Exhibits A, B and C constitute the entire agreement with regard to the modification and amendment of the ICAs and incorporation into future interconnection agreements through the Termination Date, and shall be interpreted solely in accordance with its own terms.

- 19.5 The headings of the Sections of this Amendment are strictly for convenience and shall not in any way be construed to define, modify or restrict the meaning or interpretation of the terms, provisions or conditions of this Amendment.
- 19.6 This Amendment may be executed in any number of counterparts, each of which shall be deemed an original; but such counterparts shall together constitute one and the same instrument.
- 19.7 This Amendment shall be filed by the Parties with the PUCs in each state listed in the introductory paragraph above. Neither Party may seek a stay of the PUCs' approval of this Amendment or in any way seek to delay, postpone or interfere with the PUCs' approval of this Amendment.

IN WITNESS WHEREOF, the Parties hereto have caused this Amendment to be executed on the dates shown below by their respective duly authorized representatives and hereby agree that this Amendment shall be effective between the Parties on August 1, 2007 (the Effective Date).

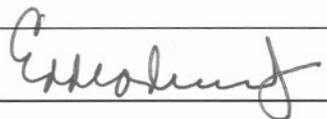
<p>MCImetro Access Transmission Services LLC</p>	<p>AT&T Operations, Inc. as authorized agent for Southwestern Bell Telephone Company d/b/a AT&T Oklahoma, AT&T Missouri, AT&T Kansas, AT&T Arkansas and AT&T Texas, The Southern New England Telephone Company d/b/a AT&T Connecticut, Nevada Bell Telephone Company d/b/a AT&T Nevada, Pacific Bell Telephone Company d/b/a AT&T California, Illinois Bell Telephone Company d/b/a AT&T Illinois, Indiana Bell Telephone Company Incorporated d/b/a AT&T Indiana, Michigan Bell Telephone Company d/b/a AT&T Michigan, The Ohio Bell Telephone Company d/b/a AT&T Ohio and Wisconsin Bell, Inc. d/b/a AT&T Wisconsin.</p>
<p>Signature: <u></u></p>	<p>Signature: <u></u></p>
<p>Name: <u>Peter H. Reynolds</u> Print or type</p>	<p>Name: <u>EDDIE A. REED JR</u> Print or type</p>
<p>Title: <u>Director</u></p>	<p>Title: Director – Contract Management</p>
<p>Date: <u>Oct 29, 2007</u></p>	<p>Date: <u>11-1-07</u></p>

EXHIBIT A

		Arkansas	Kansas	Oklahoma	Missouri³
End Office Switching	Zone 4	n/a	n/a	n/a	\$0.002391
	Zone 3	\$0.001310	\$0.001310	\$0.003800	\$0.002807
	Zone 2	\$0.001690	\$0.001690	\$0.002516	\$0.001949
	Zone 1	\$0.002530	\$0.002530	\$0.002268	\$0.001620
Tandem Switching		\$0.000789	\$0.000789	\$0.000956	\$0.001231
Common Transport Termination	Zone 4	n/a	n/a	n/a	\$0.000132
	Zone 3	\$0.000157	\$0.000157	\$0.000266	\$0.000246
	Zone 2	\$0.000171	\$0.000171	\$0.000282	\$0.000232
	Zone 1	\$0.000196	\$0.000196	\$0.000499	\$0.000155
	Interzone	\$0.000186	\$0.000186	\$0.000147	\$0.000271
Common Transport Facility	Zone 4	n/a	n/a	n/a	\$0.000008
Per Minute per Mile	Zone 3	\$0.000001	\$0.000001	\$0.000008	\$0.0000117
	Zone 2	\$0.000003	\$0.000003	\$0.000049	\$0.0000057
	Zone 1	\$0.000006	\$0.000006	\$0.000027	\$0.0000016
	Interzone	\$0.000001	\$0.000001	\$0.000002	\$0.0000030
		California	Nevada	Michigan	
End Office Call Set-Up		\$0.001448	\$0.003110	\$0.000622	
End Office Call Duration		\$0.001360	\$0.002506	\$0.000521	
Tandem Switching Set-Up		\$0.000629	\$0.002658	\$0.000322	
Tandem Switching Duration		\$0.000453	\$0.001261	\$0.000337	
Common Transport (Fixed)/Tandem Term Set-up		\$0.001251	\$0.000305	\$0.000077	
Tandem Term Duration		n/a	n/a	\$0.000081	
Common Transport (Variable) (per mou per mile)		\$0.000021	\$0.000019	\$0.000001	
		Illinois	Indiana	Ohio	Wisconsin
End Office Switching		\$0.003746	\$0.004097	\$0.003600	\$0.004241
Tandem Switching		\$0.001072	\$0.000307	\$0.000623	\$0.000704
Tandem Transport Termination		\$0.000201	\$0.000102	\$0.000146	\$0.000188
Tandem Transport Facility Mileage (per mou per mile)		\$0.000013	\$0.000005	\$0.000006	\$0.000014
Texas					
Call Set-Up		\$0.0010887			
Duration		\$0.0010423			
Connecticut					
End Office Served Rate		\$0.003576			
Tandem Served Rate		\$0.005560			

³ The Parties agree that in accordance with Missouri Public Service Commission Case No. TO-92-306, the intercompany compensation for MCA traffic shall be bill and keep. Therefore, the Parties agree that ILEC shall not bill CLEC for any CLEC originated MCA traffic.

EXHIBIT B

<u>State</u>	<u>Rate</u> ⁴
<u>Arkansas</u>	\$0.000881
<u>California</u>	
Set Up	\$0.000229
Duration	\$0.000877
<u>Connecticut</u>	\$0.001186
<u>Illinois</u>	\$0.001188
<u>Indiana</u>	\$0.001196
<u>Kansas</u>	\$0.000880
<u>Michigan</u>	
Set Up	\$0.000104
Duration	\$0.000693
<u>Missouri</u> (70% MCA) ⁵	\$0.000282
<u>Nevada</u>	
Set Up	\$0.000547
Duration	\$0.001031
<u>Ohio</u>	\$ 0.001142
<u>Oklahoma</u>	\$ 0.001037
<u>Texas</u>	
Set Up	\$0.000152
Duration	\$0.000748
<u>Wisconsin</u>	\$0.001242

⁴ The Parties agree that the Exhibit B rates are based on the following:

- Eighty-six percent (86%) ISP-Bound traffic and fourteen percent (14%) 251 (b)(5) Traffic.
- A rate of \$0.0007 was used for ISP-Bound Traffic and the state-specific rates set forth in Exhibit A were used for 251(b)(5) Traffic (70% at the state-specific end office rate and 30% at the state-specific tandem rates).
- Where zone measurement is applicable, the Zone 2 rates set forth in Exhibit A were used.
- Where a common transport mileage charge is applicable, a common transport mileage charge of 15 miles was used.

⁵ The Parties agree that in accordance with Missouri Public Service Commission Case No. TO-92-306, the intercompany compensation for MCA traffic shall be bill and keep. Therefore, the rate contained in the matrix reflects, based on a traffic study exchanged by the Parties, that 70% of the traffic sent by ILEC to CLEC was MCA traffic and subject to bill and keep.

EXHIBIT C

TRAFFIC STUDY METHODOLOGY

1. Each Party shall conduct a study of its originating traffic terminated to the other Party's end users in order to identify the amount of ISP-Bound Traffic and Section 251(b)(5) Traffic.
2. The study shall cover a one-month period to be agreed upon by the Parties.
3. The studies shall cover each of the 13 states in the legacy SBC operating territory. The Parties shall compile the data on a state-by-state basis and shall exchange data when study for any given state is complete.
- 4a. CLEC shall use: (i) originating switch recordings for CLEC's originating facilities-based traffic and (ii) EMI Category 10 local originating records for CLEC's traffic originated from CLEC's Local Wholesale Complete end users.
- 4b. ILEC shall use its originating switch records.
5. To identify ISP-Bound Traffic, the Parties shall use the following criteria: (i) called telephone numbers with average "hold times" of 20 or more minutes (determined by adding minutes/seconds/tenths-of-seconds for all calls to a particular number and dividing by total number of calls to that number and rounding up to the nearest full minute); and (ii) individual telephone numbers must be called a minimum of 200 times during the study period (calls need not originate from the same number).
6. Calls not meeting the criteria set forth in Section 5 shall be presumed to be Section 251(b)(5) Traffic.
7. For those calls that do meet the criteria in Section 5, each Party shall further validate that the calls are ISP-bound by dialing the numbers individually to determine if answered by an ISP modem. Calls that do not reach an ISP modem shall be presumed to be Section 251(b)(5) Traffic.
8. Intentionally Omitted.
9. In providing the results of its study to other Party, each Party shall provide the following detail:
 - State
 - Traffic Month reported on
 - Total Terminating Minutes for study period
 - Total Number of Terminating Minutes and Calls meeting criteria for being classified as ISP-Bound Traffic for study period
 - Calling and Called Telephone Numbers for calls classified as ISP-Bound Traffic
10. If either Party desires to rebut the results of the other Party's study, it shall provide its own analysis and the Parties shall reconcile any differences in the studies.

AT&T Wholesale Amendment

**FURTHER AMENDMENT TO
AMENDMENT SUPERSEDING CERTAIN RECIPROCAL COMPENSATION, INTERCONNECTION AND
TRUNKING TERMS
BETWEEN
MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN
AND
MCIMETRO ACCESS TRANSMISSION SERVICES LLC**

The Amendment Superseding Certain Reciprocal Compensation Interconnection and Trunking Terms effective August 1, 2007 by and between Michigan Bell Telephone Company d/b/a AT&T Michigan ("AT&T") and MCImetro Access Transmission Services LLC ("MCIm") (including those arrangements (ACNAs and OCNs) held by MCIm as successor in interest to Brooks Fiber Communications of Michigan, Inc., Rhythms Links Inc., MCI WORLDCOM Communications, Inc., f/k/a MFS Communications Company, Inc. or MFS Intelenet of Connecticut, Inc. or WorldCom Technologies, Inc. or MCI WorldCom Technologies, Inc., Intermedia Communications LLC) (such Amendment, the "Original Superseding Amendment") is hereby amended as follows:

1. Notwithstanding anything to the contrary in Section 1 of the Amendment Superseding Certain Reciprocal Compensation Interconnection and Trunking Terms, the term of the Original Superseding Amendment will be extended and shall remain in effect through July 31, 2013. Thereafter, the Original Superseding Amendment will remain in full force and effect unless terminated in accordance with the terms thereof.
2. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT (INCLUDING ANY AMENDMENTS THERETO) SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.
3. This Amendment shall be filed with and is subject to approval by the applicable state Commissions.

MCImetro Access Transmission Services LLC

Michigan Bell Telephone Company d/b/a AT&T
Michigan, by AT&T Services, Inc., its authorized
agent

By: 

By: 

Name: Peter H. Reynolds

Name: Patrick Doherty
(Print or Type)

Title: Director

Title: Director - Regulatory
(Print or Type)

Date: July 21, 2011

Date: AUG 02 2011

	<u>Resale OCN</u>	<u>ULEC OCN</u>	<u>CLEC OCN</u>
MICHIGAN	7020		7227

ACNA - BFC

	<u>Resale OCN</u>	<u>ULEC OCN</u>	<u>CLEC OCN</u>
MICHIGAN	7108		7228

ACNA - MFZ

	<u>Resale OCN</u>	<u>ULEC OCN</u>	<u>CLEC OCN</u>
MICHIGAN			2649

ACNA - AKJ

	<u>Resale OCN</u>	<u>ULEC OCN</u>	<u>CLEC OCN</u>
MICHIGAN	7289	7229	7229

ACNA - WUA

AT&T Wholesale Amendment

**FURTHER AMENDMENT TO
AMENDMENT SUPERSEDING CERTAIN RECIPROCAL COMPENSATION, INTERCONNECTION AND TRUNKING
TERMS
BETWEEN
MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN
AND
MCIMETRO ACCESS TRANSMISSION SERVICES LLC**

The Amendment Superseding Certain Reciprocal Compensation Interconnection and Trunking Terms effective August 1, 2007 by and between Michigan Bell Telephone Company d/b/a **AT&T MICHIGAN** ("AT&T") and MCImetro Access Transmission Services LLC ("MCIIm") (such Amendment, the "Superseding Amendment") is as applicable to AT&T and MCIIm amended as follows:

WHEREAS, AT&T and MCIIm entered into an interconnection agreement pursuant to Sections 251 and 252 of the Communications Act of 1934, as amended (the "Act") that was approved by the state Commission and effective on January 1, 2004 (the "ICA"); and

WHEREAS, the Parties have amended, modified and superseded certain compensation, interconnection and trunking provisions of the ICA by the Superseding Amendment and also incorporated the terms of the Superseding Amendment in future interconnection agreements between the Parties through a certain Termination Date; and

WHEREAS, the Parties have extended the Termination Date of the Superseding Amendment in 2009 and thereafter, in 2011; and

WHEREAS, the Parties desire to extend the Termination Date of the Superseding Amendment again.

NOW, THEREFORE, for and in consideration of the premises, mutual promises and covenants contained in this Amendment, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties agree as follows:

1. Notwithstanding anything to the contrary in Section 1 of the Superseding Amendment, the term of the Superseding Amendment will be extended and shall remain in effect through **June 30, 2014**. Thereafter, the Superseding Amendment will remain in full force and effect unless terminated in accordance with the terms thereof.
2. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT (INCLUDING, BUT NOT LIMITED TO, ANY AMENDMENTS THERETO) SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.
3. This Amendment shall be filed with and is subject to approval by the applicable state Commission.



MCImetro Access Transmission Services LLC

Michigan Bell Telephone Company d/b/a AT&T MICHIGAN, by AT&T Services, Inc., its authorized agent

By: eSigned - Duane McPherson

By: eSigned - Kristen E. Shore

Name: eSigned - Duane McPherson
 (Print or Type)

Name: eSigned - Kristen E. Shore

Title: Manager - Carrier Mgmt
 (Print or Type)

Title: Director

Date: 03 Sep 2013

Date: 04 Sep 2013

MCImetro Access Transmission Services LLC
 OCNs and ACNAs:

	<u>Resale OCN</u>	<u>ULEC OCN</u>	<u>CLEC OCN</u>
MICHIGAN	7020		7227

ACNA - BFC

	<u>Resale OCN</u>	<u>ULEC OCN</u>	<u>CLEC OCN</u>
MICHIGAN	7108		7228

ACNA - MFZ

	<u>Resale OCN</u>	<u>ULEC OCN</u>	<u>CLEC OCN</u>
MICHIGAN			2649

ACNA - AKJ

	<u>Resale OCN</u>	<u>ULEC OCN</u>	<u>CLEC OCN</u>
MICHIGAN	7289	7229	7229

ACNA - WUA

MCIm may add OCNs and/or ACNAs to, and/or delete OCNs and/or ACNAs from, the above list of OCNs and ACNAs with the written consent of AT&T, which consent shall not be unreasonably withheld, conditioned or delayed.

AT&T Wholesale Amendment

AMENDMENT

BETWEEN

MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN

AND

MCIMETRO ACCESS TRANSMISSION SERVICES LLC



Signature: eSigned - Daniel J Higgins II

Signature: eSigned - Kristen E. Shore

Name: eSigned - Daniel J Higgins II
(Print or Type)

Name: eSigned - Kristen E. Shore
(Print or Type)

Title: AVP, Verizon Partner Solutions
(Print or Type)

Title: Executive Director-Regulatory
(Print or Type)

Date: 29 Jul 2014

Date: 06 Aug 2014

MCIMetro Access Transmission Services LLC

Michigan Bell Telephone Company d/b/a AT&T MICHIGAN by AT&T Services, Inc., its authorized agent

State	Resale OCN	ULEC OCN	CLEC OCN
MICHIGAN	7020 7108 7289	7229	7227 7228 2649 7229

Description	ACNA Code(s)
ACNA(s)	ICF MFZ AKJ WUA

**FURTHER AMENDMENT TO
AMENDMENT SUPERSEDING CERTAIN RECIPROCAL COMPENSATION,
INTERCONNECTION AND TRUNKING TERMS
BETWEEN
MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN
AND
MCIMETRO ACCESS TRANSMISSION SERVICES LLC**

The Amendment Superseding Certain Reciprocal Compensation Interconnection and Trunking Terms effective August 1, 2007 by and between Michigan Bell Telephone Company d/b/a AT&T Michigan ("**AT&T MICHIGAN**") and MCImetro Access Transmission Services LLC ("MCIm") (such Amendment, the "Superseding Amendment") is as applicable to **AT&T MICHIGAN** and MCIm amended as follows:

WHEREAS, **AT&T MICHIGAN** and MCIm entered into an interconnection agreement pursuant to Sections 251 and 252 of the Communications Act of 1934, as amended (the "Act") that was approved by the state Commission on December 18, 2003 (the "ICA"); and

WHEREAS, the Parties have amended, modified and superseded certain compensation, interconnection and trunking provisions of the ICA by the Superseding Amendment and also incorporated the terms of the Superseding Amendment in future interconnection agreements between the Parties through a certain Termination Date; and

WHEREAS, the Parties have extended the Termination Date of the Superseding Amendment in 2009 and thereafter, in 2011 and 2013; and

WHEREAS, the Parties desire to extend the Termination Date of the Superseding Amendment again.

NOW, THEREFORE, for and in consideration of the premises, mutual promises and covenants contained in this Amendment, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Parties agree as follows:

1. This Amendment is composed of the foregoing recitals, the terms and conditions, set forth below; all of which are hereby incorporated in this Amendment by this reference and constitute a part of this Amendment.
2. Notwithstanding anything to the contrary in Section 1 of the Superseding Amendment, the term of the Superseding Amendment will be extended and shall remain in effect through **June 30, 2015**. Thereafter, the Superseding Amendment will remain in full force and effect unless terminated in accordance with the terms thereof.
3. The Parties also agree to replace Sections 19 – 19.5 in their entirety of the General Terms and Conditions from the Agreement with the following language for the State of Michigan:

19 Notice

- 19.1 Notices given by one Party to the other Party under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:

19.1.1 delivered personally, delivered by express delivery service or mailed via certified mail or first class U.S. Postal Service, with postage prepaid and a return receipt requested.

19.2 Notices will be deemed given as of the earliest of:

- 19.2.1 the date of actual receipt;
- 19.2.2 the next Business Day when sent via express delivery service; or
- 19.2.3 five (5) calendar days after mailing in the case of first class or certified U.S. Postal Service;

19.3 Notices will be addressed to the Parties as follows:

NOTICE CONTACT	CARRIER CONTACT
NAME/TITLE	Daniel J. Higgins II AVP, Verizon Partner Solutions
STREET ADDRESS	One Verizon Way
CITY, STATE, ZIP CODE	Basking Ridge, NJ 07920
PHONE NUMBER*	704-510-8550
FACSIMILENUMBER	N/A
EMAIL ADDRESS	daniel.higgins@verizon.com

	AT&T CONTACT
NAME/TITLE	Contract Management ATTN: Notices Manager
STREET ADDRESS	311 S. Akard St., 19th floor Four AT&T Plaza
CITY, STATE, ZIP CODE	Dallas, TX 75202-5398
FACSIMILE NUMBER	(214) 464-2006
EMAIL ADDRESS	The current email address as provided on AT&T's CLEC Online website

* Informational only and not to be considered as an official notice vehicle under this Section.

19.4 Either Party may unilaterally change its designated contact name and address for the receipt of Notices by giving written Notice to the other Party in compliance with this Section 19. Unless explicitly stated otherwise, any change to the designated contact name and address will replace such information currently on file. Any Notice to change the designated contact name and address for the receipt of Notices shall be deemed effective ten (10) calendar days following receipt by the other Party.

19.5 **AT&T MICHIGAN** communicates official information to CLECs via its Accessible Letter, or other applicable, notification processes. These processes involve electronic transmission and/or posting to the AT&T CLEC Online website, inclusive of a variety of subjects including declaration of a force majeure, changes on business processes and policies, and other product/service related notices not requiring an amendment to this Agreement.

4. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT (INCLUDING, BUT NOT LIMITED TO, ANY AMENDMENTS THERETO) SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

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

AT&T Wholesale Amendment

AMENDMENT

BETWEEN

MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN

AND

MCIMETRO ACCESS TRANSMISSION SERVICES LLC



Signature: eSigned - Daniel J. Higgins II

Signature: eSigned - Kristen E. Shore

Name: eSigned - Daniel J. Higgins II
(Print or Type)

Name: eSigned - Kristen E. Shore
(Print or Type)

Title: AVP, Verizon Partner Solution
(Print or Type)

Title: Executive Director-Regulatory
(Print or Type)

Date: 07 Oct 2015

Date: 14 Oct 2015

MCImetro Access Transmission Services LLC

Michigan Bell Telephone Company d/b/a AT&T MICHIGAN by AT&T Services, Inc., its authorized agent

	<u>Resale OCN</u>	<u>ULEC OCN</u>	<u>CLEC OCN</u>
MICHIGAN	7020		7227
ACNA - BFC			

	<u>Resale OCN</u>	<u>ULEC OCN</u>	<u>CLEC OCN</u>
MICHIGAN	7108		7228
ACNA - MFZ			

	<u>Resale OCN</u>	<u>ULEC OCN</u>	<u>CLEC OCN</u>
MICHIGAN			2649
ACNA - AKJ			

	<u>Resale OCN</u>	<u>ULEC OCN</u>	<u>CLEC OCN</u>
MICHIGAN	7289	7229	7229
ACNA - WUA			

MCIm may add OCNs and/or ACNAs to, and/or delete OCNs and/or ACNAs from, the above list of OCNs and ACNAs with the written consent of AT&T, which consent shall not be unreasonably withheld, conditioned or delayed

**AMENDMENT TO THE AGREEMENT
BETWEEN
MCIMETRO ACCESS TRANSMISSION SERVICES LLC
AND
MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN**

This Amendment (the "Amendment") amends the Interconnection Agreement by and between Michigan Bell Telephone Company d/b/a AT&T MICHIGAN ("AT&T MICHIGAN") and MCImetro Access Transmission Services LLC ("CLEC"). AT&T MICHIGAN and CLEC are hereinafter referred to collectively as the "Parties" and individually as a "Party".

WHEREAS, AT&T MICHIGAN and CLEC are parties to an Interconnection Agreement under Sections 251 and 252 of the Communications Act of 1934, as amended (the "Act"), approved December 18, 2003 and as subsequently amended (the "Agreement"); and

WHEREAS, pursuant to the Report and Order and Further Notice of Proposed Rulemaking issued by the Federal Communications Commission ("FCC") on November 18, 2011 (FCC 11-161), and as amended by the FCC on December 23, 2011 (FCC 11-189) ("the Order"), the Parties desire to amend the Agreement to implement the terms of the Order.

NOW, THEREFORE, in consideration of the promises and mutual agreements set forth herein, the Parties agree to amend the Agreement as follows:

1. This Amendment is composed of the foregoing recitals, the terms and conditions, set forth below; all of which are hereby incorporated in this Amendment by this reference and constitute a part of this Amendment.

1.1 The Parties hereby implement the intercarrier compensation rate schedules attached hereto as Exhibit 1 for the termination of all Section 251(b)(5) Traffic exchanged between the parties in the applicable state(s). The rates included in Exhibit 1 hereby supersede the existing rate elements included in the underlying Agreement for purposes of reciprocal compensation.

19. Notices

19.1 Notices given by CLEC to AT&T MICHIGAN under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:

19.1.1 delivered by electronic mail (email);

19.1.2 delivered by facsimile.

19.2 Notices given by AT&T MICHIGAN to the CLEC under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:

19.2.1 delivered by express delivery service with next Business Day delivery;

19.2.2 delivered by first class, certified or registered U.S. mail, postage prepaid.

19.3 Notices will be deemed given as of the earliest of:

19.3.1 the date of actual receipt;

19.3.2 where the notice is sent via express delivery service for next Business Day delivery, the next Business Day after the notice is sent;

19.3.3 where the notice is sent via First Class U.S. Mail, three (3) Business Days after mailing;

19.3.4 where notice is sent via certified or registered U.S. mail, the date of receipt shown on the U.S. Postal Service receipt.

19.4 Notices will be addressed to the Parties as follows:

NOTICE CONTACT	CLEC CONTACT
NAME/TITLE	Daniel J. Higgins II AVP, Verizon Partner Solution
STREET ADDRESS	1 Verizon Way , VC22E009
CITY, STATE, ZIP CODE	Basking Ridge, NJ 07920
PHONE NUMBER*	908-559-1770
FACSIMILE NUMBER	N/A
EMAIL ADDRESS	daniel.higgins@verizon.com
	AT&T CONTACT
NAME/TITLE	Contract Management ATTN: Notices Manager
FACSIMILE NUMBER	(214) 712-5792
EMAIL ADDRESS	The current email address as provided on AT&T's CLEC Online website

*Informational only and not to be considered as an official notice vehicle under this Section.

19.5 Either Party may unilaterally change its designated contact name, address, email address (if applicable), and/or facsimile number (if applicable) for the receipt of Notices by giving written Notice to the other Party in compliance with this Section 19.0. Unless explicitly stated otherwise, any change to the designated contact name, address, email address (if applicable), and/or facsimile number (if applicable) will replace such information currently on file. Any Notice to change the designated contact name, address, email address (if applicable), and/or facsimile number (if applicable) for the receipt of Notices shall be deemed effective ten (10) calendar days following receipt by the other Party.

19.6 In addition, CLEC agrees that it is responsible for providing AT&T MICHIGAN with CLEC's OCN and ACNA numbers for the states in which CLEC is authorized to do business and in which CLEC is requesting that this Agreement apply. In the event that CLEC wants to change and/or add to the OCN and/or ACNA information in the CLEC Profile, CLEC shall send written notice to AT&T MICHIGAN to be received at least thirty (30) days prior to the change and/or addition in accordance with this Section 19.0 notice provision; CLEC shall also update its CLEC Profile through the applicable form and/or web-based interface.

19.6.1 CLEC may not order services under a new account and/or subsequent state certification, established in accordance with this Section until thirty (30) days after all information specified in this Section is received from CLEC.

19.6.2 CLEC may be able to place orders for certain services in AT&T MICHIGAN without having properly updated the CLEC Profile; however, at any time during the term of this Agreement without additional notice AT&T may at its discretion eliminate such functionality. At such time, if CLEC has not properly updated its CLEC Profile, ordering capabilities will cease, and CLEC will not be able to place orders until thirty (30) days after CLEC has properly updated its CLEC Profile.

19.7 AT&T MICHIGAN communicates official information to CLECs via its Accessible Letter, or other applicable, notification processes. These processes involve electronic transmission and/or posting to the AT&T CLEC Online website, inclusive of a variety of subjects including declaration of a force majeure, changes on business processes and policies, and other product/service related notices not requiring an amendment to this Agreement.

2. In entering into this Amendment, neither Party waives, and each Party expressly reserves, any rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the underlying Agreement (including intervening law rights asserted by either Party via written notice predating this Amendment) with respect to any

orders, decisions, legislation or proceedings and any remands thereof, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further review.

3. This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with such Agreement.
4. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.
5. This Amendment shall be filed with and is subject to approval by the State Commission and shall become effective ten (10) days following approval by such Commission.

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
2MR-AT	MI	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective Through 6/30/17)	OHU	USG14		0.0007			MOU
2MR-AT	MI	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU (Effective 7/01/17)	OHU	USG14		\$0.00			MOU

AT&T Wholesale Amendment

AMENDMENT

BETWEEN

MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN

AND

MCIMETRO ACCESS TRANSMISSION SERVICES LLC



Signature: eSigned - Daniel J. Higgins II

Signature: eSigned - William A. Bockelman

Name: eSigned - Daniel J. Higgins II
(Print or Type)

Name: eSigned - William A. Bockelman
(Print or Type)

Title: AVP, Verizon Partner Solution
(Print or Type)

Title: Director
(Print or Type)

Date: 01 Dec 2015

Date: 02 Dec 2015

MCImetro Access Transmission Services LLC

Michigan Bell Telephone Company d/b/a AT&T MICHIGAN by AT&T Services, Inc., its authorized agent

MCIm may add OCNs and/or ACNAs to, and/or delete OCNs and/or ACNAs from, the above list of OCNs and ACNAs with the written consent of AT&T, which consent shall not be unreasonably withheld, conditioned or delayed.

	<u>Resale OCN</u>	<u>ULEC OCN</u>	<u>CLEC OCN</u>
MICHIGAN	7020		7227
ACNA - BFC			

	<u>Resale OCN</u>	<u>ULEC OCN</u>	<u>CLEC OCN</u>
MICHIGAN	7108		7228
ACNA - MFZ			

	<u>Resale OCN</u>	<u>ULEC OCN</u>	<u>CLEC OCN</u>
MICHIGAN			2649
ACNA - AKJ			

	<u>Resale OCN</u>	<u>ULEC OCN</u>	<u>CLEC OCN</u>
MICHIGAN	7289	7229	7229
ACNA - WUA			

**AMENDMENT TO THE AGREEMENT
BETWEEN
MCIMETRO ACCESS TRANSMISSION SERVICES LLC
AND
MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN**

This amendment (“Amendment”) amends the Interconnection Agreement by and between Michigan Bell Telephone Company d/b/a AT&T MICHIGAN (“AT&T”) and MCImetro Access Transmission Services LLC (“CLEC”). AT&T and CLEC are hereinafter referred to collectively as the “Parties” and individually as a “Party.”

WHEREAS, AT&T and CLEC are parties to an Interconnection Agreement under Sections 251 and 252 of the Communications Act of 1934, as amended (the “Act”), approved December 18, 2003 and as subsequently amended (“Agreement”); and

WHEREAS, the Parties desire to amend the Agreement to implement the *Lifeline and Link Up Reform and Modernization et al.*, WC Docket No. 11-42 et al., Second Report and Order, FCC 15-71, Released June 22, 2015 (“FCC Order”), and modify certain provisions related to Customer Information Services.

NOW, THEREFORE, in consideration of the promises and mutual agreements set forth herein, the Parties agree to amend the Agreement as follows:

1. The Amendment is composed of the foregoing recitals, the terms and conditions, contained within, and Exhibit A and Exhibit B Pricing Sheet immediately following, all of which are hereby incorporated in this Amendment by this reference and constitute a part of this Amendment.
2. **Lifeline and Link Up Services**
 - 2.1. Delete the rates, terms and conditions related to Lifeline and Link Up service offerings from the Agreement. Lifeline and Link Up service will no longer be available under the Agreement beginning 180 days after Federal Register publication of the Office of Management and Budget’s (OMB) approval.
3. **Customer Information Services (CIS)**
 - 3.1. With the exception of 3.3 herein, delete all rates, terms and conditions pertaining to Customer Information Services, including but not limited to services related to Operator Services (OS), Directory Assistance (DA), Directory Assistance Listings (DAL), Inward Assistance Operator Services (INW) and White Pages (e.g., Busy Line Verification (BLV), Busy Line Verification/Interrupt (BLV/I), etc.) from the Agreement.
 - 3.2. Add Appendix – Customer Information Services (CIS), attached hereto as Exhibit A, and add the CIS Pricing Appendix Customer Information Services (CIS) rates reflected in the Pricing Sheet, attached hereto as Exhibit B, to the Agreement.
 - 3.3. **Add the following provisions to the Attachment or Appendix for Resale**
 - 3.3.1. For Resale service, AT&T will provide Customer Information Services to CLEC’s End Users where technically feasible and/or available to AT&T retail End Users. Dialing, response, and sound quality will be provided in parity to AT&T retail End Users.
 - 3.3.2. CLEC is solely responsible for the payment of all charges for all services furnished under this Attachment, including but not limited to calls originated or accepted at CLEC’s location and its End Users’ service locations.
 - 3.3.3. Interexchange carrier traffic (e.g., sent-paid, information services and alternate operator services messages) received by AT&T for billing to Resale End User accounts will be returned as unbillable and will not be passed to CLEC for billing. An unbillable code will be returned with those messages to the carrier indicating that the messages were generated by a Resale account and will not be billed by AT&T.
 - 3.3.4. AT&T shall not be responsible for the manner in which utilization of Resale Services or the associated charges are allocated to End Users or others by CLEC. Applicable rates and charges

for services provided to CLEC under this Attachment will be billed directly to CLEC and shall be the responsibility of CLEC.

- 3.3.5. Charges billed to CLEC for all services provided under this Attachment shall be paid by CLEC regardless of CLEC's ability or inability to collect from its End Users for such services.
- 3.3.6. If CLEC does not wish to be responsible for payment of charges for calling card, collect, or third number billed calls (Alternately Billed Traffic or "ABT") or toll and information services (for example, 900 calls), CLEC must order the appropriate available blocking for lines provided under this Attachment and pay any applicable charges. It is the responsibility of CLEC to order the appropriate toll restriction or blocking on lines resold to End Users. CLEC acknowledges that blocking is not available for certain types of calls, including without limitation 800, 888, 411 and Directory Assistance Express Call Completion. Depending on the origination point, for example, calls originating from correctional facilities, some calls may bypass blocking systems. CLEC acknowledges all such limitations and accepts all responsibility for any charges associated with calls for which blocking is not available and any charges associated with calls that bypass blocking systems.

4. **Conflict between this Amendment and the Agreement**

- 4.1. This Amendment shall be deemed to revise the terms and provisions of the Agreement only to the extent necessary to give effect to the terms and provisions of this Amendment. In the event of a conflict between the terms and provisions of this Amendment and the terms and provisions of the Agreement (including all incorporated or accompanying Appendices, Addenda, and Exhibits to the Agreement), this Amendment shall govern, provided, however, that the fact that a term or provision appears in this Amendment but not in the Agreement, or in the Agreement but not in this Amendment, shall not be interpreted as, or deemed grounds for finding, a conflict for purposes of this Amendment.
5. In entering into this Amendment, neither Party waives, and each Party expressly reserves, any rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the underlying Agreement (including intervening law rights asserted by either Party via written notice predating this Amendment) with respect to any orders, decisions, legislation or proceedings and any remands thereof, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further review.
6. This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with such Agreement.
7. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.
8. This Amendment shall be filed with and is subject to approval by the State Commission and shall become effective ten (10) days following approval by such Commission.

APPENDIX – CUSTOMER INFORMATION SERVICES

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1.0 Introduction

1.1 The following services are provided as Customer Information Services – Operator Services/Directory Assistance (OS/DA), Inward Assistance Operator Services (INW), Directory Assistance Listings (DAL) and White Pages.

1.2 OS/DA:

1.2.1 This Appendix sets forth the rates, terms and conditions under which the Parties shall jointly carry out OS/DA on a wholesale basis for CLEC end users residing in AT&T local exchange territory, regardless of whether CLEC is serving its end users via:

- 1.2.1.1 CLEC's own physical switches,
- 1.2.1.2 Resale of AT&T Retail OS/DA service, or
- 1.2.1.3 Leased local circuit switching from AT&T.

1.2.2 CLEC shall be the retail OS/DA provider to its end users, and AT&T shall be the wholesale provider of OS/DA operations to CLEC. AT&T shall answer CLEC's end user OS/DA calls on CLEC's behalf, as follows:

1.2.2.1 When the end user dials 0- or 0+ the telephone number, AT&T shall provide the Operator Services described in Section 3.4 below. CLEC may set its own retail OS/DA rates, and CLEC therefore acknowledges its responsibility to obtain (a) end user agreement to the OS/DA retail rates (e.g., by tariff or contract), and (b) any necessary regulatory approvals for its OS/DA retail rates.

1.2.2.2 In response to CLEC end user inquiries about OS/DA rates, where technically feasible and available, AT&T operators shall quote CLEC retail OS/DA rates, provided by CLEC (see Section 3.6 below). If further inquiries are made about rates, billing and/or other "business office" questions, AT&T's OS/DA operators shall direct the calling party's inquiries to a CLEC-provided contact number (also see Section 3.6 below).

1.2.3 CLEC shall pay the applicable OS/DA rates found in the pricing sheet based upon CLEC's status as a Facilities-Based CLEC or a reseller. Provided however, CLEC may serve both as a reseller and as a facilities-based provider and CLEC may convert its facilities-based end users to Resale service, or vice versa, as described below in Section 3.6.8 below.

1.2.3.1 CLEC acknowledges and understands that wholesale OS/DA rates differ between Resale and facilities-based service, and that both types of OS/DA wholesale rates are listed in the pricing sheet.

1.2.3.2 Billing and payment details, including the assessment of late payment charges for unpaid balances, are governed by the General Terms and Conditions in this Agreement.

1.3 INW:

1.3.1 This Appendix also sets forth terms and conditions for INW for Facilities-Based CLECs.

1.3.2 Where technically feasible and available, when an operator dials the appropriate Toll Center Code in addition to the inward code, the AT&T INW operator will provide the Busy Line Verification (BLV) service and Busy Line Verification/Interrupt (BLV/I) service.

1.4 DAL:

1.4.1 This Appendix sets forth terms and conditions under which CLEC agrees to purchase DAL information from AT&T.

1.5 White Pages:

1.5.1 This Appendix sets forth terms and conditions that apply to Facility-Based CLECs for subscriber listing information in white page directories provided by AT&T.

2.0 Definitions

2.1 "Busy Line Verification (BLV)" means a service in which an end user asks an operator to verify a conversation in progress.

2.2 "Busy Line Verification/Interrupt (BLV/I)" means a service in which an end user asks an operator to verify and interrupt a conversation in progress, to determine if one of the parties is willing to speak to the caller requesting the interrupt.

2.3 "Consolidated Reference Rater (CRR)" provides reference information (business office and repair numbers) and rate quotes for CLEC end users.

2.4 "Facilities-Based CLEC" means a CLEC that provides service through its own switch, a Third Party provider's switch or via local circuit switching leased from AT&T via a stand-alone agreement.

2.5 "General Assistance" means a service in which an operator calls the INW operator seeking assistance in dialing a number. For example, the assistance could be required for attempting to dial a number where a 'no ring' condition has been encountered.

2.6 "Services" means Operator Services/Directory Assistance (OS/DA), Inward Assistance Operator Services (INW), Directory Assistance Listings (DAL) and White Pages.

2.7 "Toll Center Code" means the three digit access tandem code (ATC) code that uniquely identifies a tandem switch in the Local Exchange Routing Guide (LERG) designated as providing access to operator services functions. An operator dials the appropriate area code + ATC + OPR SVC CODE to obtain INW.

3.0 Operator Services (OS) / Directory Services (DA)

3.1 Dialing Parity:

3.1.1 AT&T will provide OS/DA to CLEC's end users with no unreasonable dialing delays and at dialing parity with AT&T retail OS/DA services.

3.2 Response Parity:

3.2.1 Where technically feasible and/or available, CLEC's end users shall be answered by AT&T's OS and DA platforms with the same priority and using the same methods as for AT&T's end users.

3.2.2 Any technical difficulties in reaching the AT&T OS/DA platform (e.g., cable cuts in the OS/DA trunks, unusual OS/DA call volumes, etc.) will be experienced at parity with AT&T end users served via that same AT&T End Office Switch.

3.3 Requirements to Physically Interconnect:

3.3.1 This section describes the physical interconnection and trunking requirements for a Facilities-Based CLEC to interconnect with AT&T's OS/DA switches.

3.3.2 The demarcation point for OS/DA traffic between the Parties' networks need not coincide with the point of interconnection for the physical interconnection of all other inter-carrier voice traffic, but at a minimum must be in the Local Access and Transport Area (LATA) within which the CLEC's OS/DA traffic originates.

3.3.2.1 Because CLEC's switch may serve end users in more than one LATA, the Parties agree that CLEC's OS/DA traffic originates from the physical location of the end user dialing 0-, 0+, 411, 1411, or 555-1212 and not the physical location of CLEC's switch.

3.3.2.2 To the extent CLEC is serving via circuit-switched wireless technology, the physical location of the end user dialing 0-, 0+, 411, 1411, or 555-1212 shall be deemed the end user's physical

billing address, regardless of whether the end user may be roaming at the time of placing the OS/DA call.

- 3.3.3 The Parties will establish an OS/DA demarcation point at the AT&T's OS/DA switch. By mutual agreement, an alternative OS/DA demarcation point may be determined based on the following factors:
- 3.3.3.1 The size and type of facilities needed to carry CLEC's switch-based OS/DA traffic;
 - 3.3.3.2 Whether CLEC wishes to interconnect for OS or DA, or both;
 - 3.3.3.3 Whether CLEC or CLEC's Affiliate is collocated in an AT&T local tandem office and wishes to use the collocation as the OS/DA demarcation point; and
 - 3.3.3.4 Whether CLEC or CLEC's Affiliate already has existing OS/DA facilities in place to the AT&T's OS/DA platforms.
- 3.3.4 CLEC shall be financially responsible for the transport facilities to the AT&T's switch (es). CLEC may self-provision these OS/DA facilities, lease them from Third Parties, or lease them from AT&T's intrastate Special Access Tariff.
- 3.3.5 General OS/DA Trunking Requirements:
- 3.3.5.1 CLEC will initiate an Access Service Request (ASR) for all OS/DA trunk groups from its switch to the appropriate AT&T OS/DA switches as a segregated one-way trunk group utilizing Multi-Frequency (MF) signaling. Unless technically infeasible, AT&T will provision all such one-way trunk groups in the same manner and at the same intervals as for all other interconnection trunks between the Parties.
 - 3.3.5.2 CLEC will employ Exchange Access Operator Services Signaling (EAOSS) from the AT&T end offices to the AT&T OS/DA switches that are equipped to accept 10-Digit signaling for Automatic Number Identification (ANI).
 - 3.3.5.3 Where EAOSS is not available, Modified Operator Services Signaling (MOSS) will be utilized, and a segregated one-way trunk group with MF signaling will be established from CLEC to each AT&T OS/DA switch for each served Numbering Plan Area (NPA) in the LATA.
- 3.3.6 Specific OS/DA Trunk Groups and Their Requirements:
- 3.3.6.1 OS Trunks:
 - 3.3.6.1.1 CLEC shall establish a one-way trunk group from CLEC's switch to the AT&T OS switch serving OS end users in that LATA. An OS only trunk group will be designated with the appropriate OS traffic use code and modifier. If the trunk group transports combined OS/DA/DACC over the same trunk group, then the group will be designated with a different traffic use code and modifier for combined services. CLEC will have administrative control for the purpose of issuing ASR's on this one-way trunk group.
 - 3.3.6.2 DA/ DA Call Completion (DACC) Trunks:
 - 3.3.6.2.1 Where permitted, CLEC shall establish a one-way trunk group from CLEC's switch to the AT&T DA switch serving DA end users in that LATA. If the trunk group transports DA/DACC only, but not OS, then the trunk group will be designated with the appropriate DA traffic use code and modifier.
 - 3.3.6.2.2 In AT&T, if OS/DA/DACC is transported together on a combined trunk group, then the group will be designated with a different appropriate traffic use code and modifier from that used for a DA/DACC only trunk group. CLEC will have administrative control for the purpose of issuing ASRs on this one-way trunk group.
 - 3.3.6.2.3 In AT&T Florida, if OS/DA/DACC is transported together on a combined trunk group, then the group will be designated with an appropriate traffic use code and

modifier. CLEC will have administrative control for the purpose of issuing ASRs on this one-way trunk group.

3.3.6.3 Busy Line Verification/Emergency Interrupt (BLV/EI) Trunks:

3.3.6.3.1 Where available, when CLEC wishes for AT&T to perform Busy Line Verification or Emergency Interrupt for CLEC end users a segregated one-way BLV trunk group with MF signaling from AT&T's OS switch to CLEC's switch serving end users in that LATA will be required. CLEC will have administrative control for the purpose of issuing ASRs on this one-way trunk group. The BLV trunk group will be designated with the appropriate traffic use code and modifier.

3.4 OS Offerings:

3.4.1 OS Rate Structure:

3.4.1.1 AT&T will assess its OS charges based upon whether the CLEC end user is receiving (a) manual OS (i.e., provided via an operator), or (b) automated OS (i.e., an OS switch equipment voice recognition feature, functioning either fully or partially without operators where technically feasible and/or available). The pricing sheet contains the full set of OS recurring and nonrecurring rates.

3.4.2 OS Call Processing:

3.4.2.1 AT&T will provide OS to CLEC end users where technically feasible and/or available to AT&T end users served in accordance with OS methods and practices in effect at the time the CLEC end user makes an OS call. AT&T will provide the following OS services to CLEC end user:

3.4.2.1.1 General Assistance - The end user dialing 0- or 0+, asks the OS operator to provide local and intraLATA dialing assistance for the purposes of completing calls, or requesting information on how to place calls (e.g., handling emergency calls, handling credits, etc.).

3.4.2.1.2 Calling Card - The end user dialing 0- or 0+, provides the OS operator with a Calling Card number for billing purposes, and seeks assistance in completing the call.

3.4.2.1.3 Collect - The end user dialing 0- or 0+, asks the OS operator to bill the charges associated with the call to the called number, provided such billing is accepted by the called number.

3.4.2.1.4 Third Number Billed - The end user dialing 0- or 0+, asks the OS operator to bill the call to a different number than the calling or called number.

3.4.2.1.5 Person-To-Person- The end user dialing 0- or 0+, asks the OS Operator for assistance in reaching a particular person or a particular PBX station, department or office to be reached through a PBX attendant. This service applies even if the caller agrees, after the connection is established, to speak to any party other than the party previously specified.

3.4.2.1.6 Busy Line Verification (BLV) - A service in which the end user asks an OS operator to verify a conversation in progress.

3.4.2.1.7 Busy Line Interrupt (BLV/I) - A service in which the end user asks an operator to verify and interrupt a conversation in progress, to determine if one of the parties is willing to speak to the caller requesting the interrupt.

3.5 DA Offerings:

3.5.1 DA Rate Structure:

- 3.5.1.1 AT&T DA charges are assessed on a flat rate per call, regardless of call duration. The pricing sheet contains the recurring and nonrecurring rates.
- 3.5.2 DA Call Processing:
 - 3.5.2.1 AT&T will provide DA Services to CLEC end users where technically feasible and available to AT&T end users served in accordance with DA Services methods and practices that are in effect at the time CLEC end user makes a DA call. AT&T will provide the following DA services to a CLEC end user.
 - 3.5.2.1.1 Local Directory Assistance - Consists of providing published name and telephone number.
 - 3.5.2.1.2 Directory Assistance Call Completion (DACC) - A service in which a local or an intraLATA call to the requested number is completed.
 - 3.5.2.1.3 National Directory Assistance (NDA) - A service whereby callers may request published name and telephone number outside their LATA or local calling area for any listed telephone number in the United States.
 - 3.5.2.1.4 Reverse Directory Assistance (RDA) - Consists of providing listed local and national name and address information associated with a telephone number.
 - 3.5.2.1.5 Business Category Search (BCS) - A service callers may request business telephone number listings for a specified category of business, when the name of the business is not known. Telephone numbers may be requested for local and national businesses.
- 3.6 OS/DA Non-recurring Charges for Loading Automated Call Greeting (i.e., Brand Announcement), Rates and Reference Information:
 - 3.6.1 The incoming OS/DA call is automatically answered by a pre-recorded greeting loaded into the OS/DA switch itself. CLEC may custom brand or brand with silence.
 - 3.6.1.1 CLEC will provide announcement phrase information, via Operator Services Translations Questionnaire (OSTOQ), to AT&T in conformity with the format, length, and other requirements specified for all CLECs on the AT&T CLEC Online website.
 - 3.6.1.2 AT&T will then perform all of the loading and testing of the announcement for each applicable OS/DA switch prior to live traffic. CLEC may also change its pre-recorded announcement at any time by providing a new announcement phrase in the same manner. CLEC will be responsible for paying subsequent loading and testing charges.
 - 3.6.2 If CLEC does not wish to custom brand the OS/DA calls, CLEC end users will hear silence upon connecting with the OS/DA switch by having AT&T load a recording of silence into the automatic, pre-recorded announcement slot, set for the shortest possible duration allowed by the switch, to then be routed to OS/DA platform with all other OS/DA calls, for which brand loading charges will still apply.
 - 3.6.2.1 CLEC understands that end users may not perceive silent announcements as ordinary mechanical handling of OS/DA calls.
 - 3.6.2.2 CLEC agrees that if it does not brand the call, CLEC shall indemnify and hold AT&T harmless from any regulatory violation, consumer complaint, or other sanction for failing to identify the OS/DA provider to the dialing end user.
 - 3.6.3 AT&T will be responsible for loading the CLEC provided recording or the silent announcement into all applicable OS and/or DA switches prior to live traffic, testing the announcement for sound quality at parity with that provided to AT&T end users. CLEC will be responsible for paying the initial recording or silent announcement loading charges, and thereafter, the per-call charge as well as any subsequent loading charges if new recordings or silent announcements are provided as specified above.

- 3.6.4 Branding/Silent Announcement load charges are assessed per loaded recording, per OCN, per switch. For example, a CLEC Reseller may choose to brand under a different name than its facilities-based operations, and therefore two separate recordings could be loaded into each switch, each incurring the Branding/Silent Announcement charge. These charges are mandatory, nonrecurring, and are found in the pricing sheet.
- 3.6.5 Where CRR is technically feasible and/or available, the applicable CLEC-charged retail OS/DA rates and a CLEC-provided contact number (e.g., reference to a CLEC business office or repair call center) are loaded into the system utilized by the OS operator.
- 3.6.6 Where CRR is available, AT&T will be responsible for loading the CLEC-provided OS/DA retail rates and the CLEC provided contact number(s) into the OS/DA switches. CLEC will be responsible for paying the initial reference and rate loading charges.
- 3.6.7 CRR load charges are assessed per loaded set of rates/references, where Consolidated Reference Rater is available, per OCN, per state. For example, a CLEC reseller may choose to rate differently than its Facilities-Based CLEC operations, or may change its rates/references during the life of the contract, and therefore separate sets of rates/references could be loaded for each OCN, per state, with each loading incurring the rate/reference charge. These charges are mandatory, nonrecurring and are found in the pricing sheet.
- 3.6.8 Converting end users from Prior Branded Service to CLEC or Silent-Branded Service, or between Resale and facilities-based service:
- 3.6.8.1 To the extent that CLEC has already established the Branding/Silent Announcement recording in AT&T OS/DA switches for both Resale and facilities-based service, then no non-recurring charges apply to the conversion of end users from prior Resale OS/DA wholesale service to facilities-based OS/DA wholesale service, or vice versa.
- 3.6.8.2 To the extent that CLEC has not established the Branding/Silent Announcement recording in AT&T OS/DA switches for Resale and/or facilities-based service, then non-recurring charges apply to set up the OS/DA call for the new type of service, as is described in Section 3.6 above, and at the rates set forth in the pricing sheet.

4.0 Inward Assistance Operator Services (INW)

- 4.1 Responsibilities of the Parties:
- 4.1.1 To the extent that CLEC elects to interconnect with AT&T's operator assistance switches, the CLEC's responsibilities are described below.
- 4.1.2 CLEC shall be financially responsible for the transport facilities to the AT&T's switch(es). CLEC may self-provision these INW facilities, lease them from Third Parties, or lease them from AT&T's intrastate special access tariff.
- 4.1.3 The CLEC will initiate an ASR for a one-way trunk group from its designated operator assistance switch to the AT&T operator assistance switch utilizing MF signaling.
- 4.2 CLEC will request in writing, thirty calendar (30) days in advance of the date when the INW are to be provided, unless otherwise agreed to by AT&T. CLEC or its designated OS providers shall submit an ASR to AT&T to establish any new interconnection trunking arrangements.
- 4.2.1 CLEC must provide one (1) Carrier Identification Code (CIC) for its CLEC or Incumbent Exchange Carrier business operation and an additional CIC for its IXC business operation if the CLEC wishes to receive separate billing data for its CLEC and IXC operations.
- 4.3 Specifics of INW Offering and Pricing:

- 4.3.1 Toll Center Codes will be used by the CLEC operators for routing and connecting to the AT&T operator assistance switches. These codes are specific to the various AT&T LATAs where AT&T operator assistance switches are located.
- 4.3.2 AT&T OS will require a Toll Center Code for the CLEC OS assistance switch. This code will be the routing code used for connecting the AT&T operator to the CLEC operator on an inward basis.
- 4.3.3 If the CLEC requires establishment of a new Toll Center Code, CLEC shall do so by referencing the LERG.
- 4.3.4 AT&T pricing for INW shall be based on the rates specified in the pricing sheet.
- 4.4 If the CLEC terminates INW or OS/DA service prior to the expiration of the term of this Agreement, CLEC shall pay AT&T, within thirty (30) calendar days of the issuance of any bills by AT&T, all amounts due for actual services provided under this Appendix, plus estimated monthly charges for the remainder of the term. Estimated charges will be based on an average of the actual monthly amounts billed by AT&T pursuant to this Appendix prior to its termination.
- 4.5 The rates applicable for determining the amount(s) under the terms outlined in this Section are those specified in the pricing sheet.

5.0 Directory Assistance Listings (DAL)

5.1 Responsibilities of the Parties:

- 5.1.1 Where technically feasible and available, AT&T will provide DAL information referred to as Directory Assistance Listing (DAL) in AT&T Florida, Directory Assistance Database Services (DADS) in AT&T Florida (hereinafter collectively referred to as DAL).
- 5.1.2 AT&T owns and maintains the database containing DAL information (name, address and published telephone number, or an indication of "non-published status") of telephone service subscribers.
- 5.1.3 AT&T uses the DAL information in its database to provide directory assistance (DA) service to end users who call AT&T's DA to obtain such information.
- 5.1.4 Inasmuch as AT&T provides DA service under contract for ILECs and CLECs, AT&T's database also contains DAL information of other ILEC and CLEC telephone service subscribers.
- 5.1.5 CLEC, or its agent, who choose to provide DA service to CLEC's end users located in the CLEC's service area may load its database with DAL contained in AT&T's DA database.
- 5.1.6 AT&T agrees to license requested DAL information contained in its database, under the following terms and conditions:
 - 5.1.6.1 AT&T shall provide DAL information in a mutually acceptable format.
 - 5.1.6.2 AT&T shall provide DAL information to CLEC via a mutually acceptable mode of transmission. Once the mode of transmission has been determined, AT&T will provide to CLEC the initial load of DAL information in a mutually agreed upon timeframe.

5.2 Product Specific Service Delivery Provisions:

5.2.1 Use of DAL Information:

- 5.2.1.1 CLEC may use the DAL information licensed and provided pursuant to this Appendix in compliance with all applicable laws, regulations, and rules including any subsequent decision by the FCC or a court regarding the use of DAL.
- 5.2.1.2 In the event a telephone service subscriber has a "non-published" listing, a "non-published" classification will be identified in lieu of the telephone number information and will be considered part of the listing information. The last name, first name, street number, street name, community, and zip code will be provided as part of the listing information when available. The information provided for non-published telephone service subscribers can only be used for two (2) purposes. First, the non-published status may be added to the listing in CLEC's database for

the sole purpose of adding/correcting the non-published status of the listings in the database. Second, addresses for non-published telephone service subscribers may be used for verification of the non-published status of the listing. If a caller provides the address for a requested listing, CLEC may verify the non-published status of the requested listing by matching the caller-provided address with the address in CLEC's database. CLEC however, may not provide the address information of a requested listing of a non-published telephone service subscriber to a caller under any circumstances, including when verifying the address. CLEC can notify the end user that the requested listing is non-published.

5.3 Other:

5.3.1 Pricing:

5.3.1.1 The prices at which AT&T agrees to provide CLEC with DAL are provided for in the pricing sheet.

5.3.2 Breach of Contract:

5.3.2.1 In the event a Party is found to have materially breached the DAL provision of this Appendix, such breach shall be remedied immediately and the non-breaching Party shall have the right to terminate the breaching Party's DAL license, without terminating its own rights hereunder, upon fourteen (14) calendar days Notice, until the other Party's breach is remedied. Further should CLEC breach the DAL provisions of this Appendix, it shall immediately cease use of AT&T's DAL information.

5.3.3 Term of DAL Service:

5.3.3.1 After twelve (12) consecutive months of service, either Party may terminate the DAL services provided under this Appendix, without termination liability, upon one hundred-twenty (120) calendar days' written Notice to the other Party.

5.3.3.2 If the CLEC terminates this service prior to the first twelve (12) consecutive months of the contract term, CLEC shall pay AT&T, within thirty (30) calendar days of the issuance of any bills by AT&T, all amounts due for actual services provided under this Appendix, plus the monthly or estimated charges for the remainder of the first twelve (12) months of the contract term, plus costs incurred by AT&T associated with the provision of the DAL database.

5.3.4 Ordering:

5.3.4.1 To order DAL service, CLEC shall use a DAL Order Application form as provided by AT&T.

6.0 White Pages

6.1 General Provisions:

6.1.1 AT&T will make available to CLEC, for CLEC end users, non-discriminatory access to white pages directory listings, as described herein.

6.1.2 AT&T will meet state requirements through itself or a contracted vendor to publish alphabetical white pages directories in multiple formats, including printed directories, CD-ROM and other electronic formats for its ILEC territory, as defined in the General Terms and Conditions of this Agreement. CLEC provides local exchange telephone service in the same area(s) and CLEC wishes to include listing information for its end users located in AT&T's ILEC territory in the appropriate white pages directories.

6.2 Responsibilities of the Parties:

6.2.1 Subject to AT&T's practices, as well as the rules and regulations applicable to the provision of white pages directories, AT&T will include in appropriate white pages directories the primary alphabetical listings of CLEC end users located within the ILEC territory. The rules, regulations and AT&T practices are subject to change from time to time. When CLEC provides its subscriber listing information to AT&T listings database,

CLEC will receive for its end user, one primary listing in AT&T white pages directory and a listing in AT&T's DA database at no charge, other than applicable service order charges as set forth in the pricing sheet.

- 6.2.1.1 Except in the case of a Local Service Request (LSR) submitted solely to port a number from AT&T Florida, if such listing is requested on the initial LSR associated with the request for services, a single manual service order charge or electronic service order charge, as appropriate, will apply to both the request for service and the request for the directory listing. Where a subsequent LSR is placed solely to request a directory listing, or is placed to port a number and request a directory listing, separate service order charges as set forth in AT&T's tariffs shall apply, as well as the manual service order charge or the electronic service order charge, as appropriate.
- 6.2.1.2 Listing Information Confidentiality:
 - 6.2.1.2.1 AT&T will afford CLEC's directory listing information the same level of confidentiality that AT&T affords its own directory listing information.
- 6.2.1.3 Unlisted/Non-Published end users:
 - 6.2.1.3.1 CLEC will provide to AT&T the names, addresses and telephone numbers of all CLEC end users who wish to be omitted from directories. Non-listed/Non-Published listings will be subject to the rates as set forth in the pricing sheet.
- 6.2.1.4 Additional, Designer and Other Listings:
 - 6.2.1.4.1 Where a CLEC end user requires foreign, enhanced, designer or other listings in addition to the primary listing to appear in the white pages directory, AT&T will offer such listings at rates as set forth in AT&T's tariffs and/or service guidebooks.
- 6.2.2 CLEC shall furnish to AT&T subscriber listing information pertaining to CLEC end users located within the ILEC Territory, along with such additional information as AT&T may be required to include in the alphabetical listings of said directory. CLEC shall refer to the AT&T CLEC Online website for methods, procedures and ordering information.
- 6.2.3 CLEC will provide accurate subscriber listing information of its subscribers to AT&T via a mechanical or manual feed of the directory listing information to AT&T's Directory Listing database. CLEC agrees to submit all listing information via a mechanized process within six (6) months of the Effective Date of this Agreement, or upon CLEC reaching a volume of two hundred (200) listing updates per day, whichever comes first. CLEC's subscriber listings will be interfiled (interspersed) in the directory among AT&T's subscriber listing information. CLEC will submit listing information within one (1) business day of installation, disconnection or other change in service (including change of non-listed or non-published status) affecting the DA database or the directory listing of a CLEC end user. CLEC must submit all listing information intended for publication by the directory close (a/k/a last listing activity) date.
- 6.2.4 Distribution of Directories:
 - 6.2.4.1 Each CLEC subscriber will receive one copy per primary end user listing, as provided by CLEC, of the appropriate AT&T white pages directory in the same manner, format and at the same time that they are delivered to AT&T's subscribers during the annual delivery of newly published directories.
 - 6.2.4.2 AT&T has no obligation to provide any additional white page directories above the directories provided to CLEC end users as specified in Section 6.2.5.1 above.
 - 6.2.4.3 CLEC subscribers may receive for additional directories in the same manner and format as they are made available to AT&T's subscribers.
- 6.2.5 AT&T shall direct its publishing vendor to offer CLEC the opportunity to include in the "information pages", or comparable section of its white pages directories (covering the territory where CLEC is certified to provide

local service), information provided by CLEC for CLEC installation, repair, customer service and billing information.

6.2.6 Use of Subscriber Listing Information:

6.2.6.1 AT&T agrees to serve as the single point of contact for all independent and Third Party directory publishers who seek to include CLEC's subscriber (i.e., end user) listing information in an area directory, and to handle the CLEC's subscriber listing information in the same manner as AT&T's subscriber listing information. In exchange for AT&T serving as the single point of contact and handling all subscriber listing information equally, CLEC authorizes AT&T to include and use the CLEC subscriber listing information provided to AT&T DA databases, and to provide CLEC subscriber listing information to directory publishers. Included in this authorization is release of CLEC listings to requesting competing carriers as required by Section 271(c)(2)(B)(vii)(II) and Section 251(b)(3) and any applicable state regulations and orders. Also included in this authorization is AT&T's use of CLEC's subscriber listing information in AT&T's DA, DA related products and services, and directory publishing products and services.

6.2.6.2 AT&T further agrees not to charge CLEC for serving as the single point of contact with independent and Third Party directory publishers, no matter what number or type of requests are fielded. In exchange for the handling of CLEC's subscriber list information to directory publishers, CLEC agrees that it will receive no compensation for AT&T's receipt of the subscriber list information or for the subsequent release of this information to directory publishers. Such CLEC subscriber list information shall be intermingled with AT&T's subscriber list information and the subscriber list information of other companies that have authorized a similar release of their subscriber list information by AT&T.

6.2.7 CLEC further agrees to pay all costs incurred by AT&T and/or its Affiliates as a result of CLEC not complying with the terms of this Appendix.

6.2.8 This Appendix shall not establish, be interpreted as establishing, or be used by either Party to establish or to represent their relationship as any form of agency, partnership or joint venture.

6.2.9 Breach of Contract:

6.2.9.1 If either Party is found to have materially breached the white pages directory terms of this Appendix, the non-breaching Party may terminate the white pages directory terms of this Appendix by providing written Notice to the breaching Party, whereupon this Appendix shall be null and void with respect to any issue of white pages directory published sixty (60) or more calendar days after the date of receipt of such written Notice. CLEC further agrees to pay all costs incurred by AT&T and/or its Affiliates and vendor as a result of such CLEC breach.

7.0 General Conditions:

7.1 Notwithstanding the foregoing, AT&T reserves the right to suspend, modify or terminate, without penalty, this Appendix in its entirety or any Service(s) or features of Service(s) offerings that are provided under this Appendix on ninety (90) days' written notice.

PRICING SHEETS
EXHIBIT B

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
6	MI	DIRECTORY ASSISTANCE SERVICES	Directory Assistance, per call	XPU	OPEN		\$ 0.40	NA	NA	per call
6	MI	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA), per call	XPU	OPEN		\$ 0.65	NA		per call
6	MI	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (RDA), per call	XPU	OPEN		\$ 0.65	NA		per call
6	MI	DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS) where applicable, per call	XPU	OPEN		\$ 0.65	NA		per call
6	MI	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC), per call	XPU	OPEN		\$ 0.15	NA		per call
6	MI	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Directory Assistance Branding - Other - Initial/Subsequent Load, per switch, per OCN					\$ 1,800.00	\$ 1,800.00	per switch, per OCN
6	MI	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Directory Assistance branding and Reference/Rate Look Up, per call	XPU	OPEN		\$ 0.03		NA	per OS/DA call
6	MI	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding, per trunk group					\$800.00	\$800.00	
6	MI	OPERATOR SERVICES/DIRECTORY ASSISTANCE RATE/REFERENCES	Directory Assistance Rate Reference - Initial Load, per state, per OCN					\$ 5,000.00		per state, per OCN
6	MI	OPERATOR SERVICES/DIRECTORY ASSISTANCE RATE/REFERENCES	Directory Assistance Rate Reference - Subsequent Load, per state, per OCN					NA	\$ 1,500.00	per state, per OCN
6	MI	OPERATOR CALL PROCESSING	Fully Automated Call Processing, per call	XPU	OPEN		\$ 0.15	NA	NA	per call
6	MI	OPERATOR CALL PROCESSING	Operator Assisted Call Processing -- All Types (Including Busy Line Verify [BLV] and Busy Line Verification / Interrupt [BLV/I]), per work second	XPU	OPEN		\$ 0.03	NA	NA	per work second
6	MI	DIRECTORY ASSISTANCE SERVICES	- per listing for initial load				NA	\$ 0.040	NA	per listing
6	MI	DIRECTORY ASSISTANCE SERVICES	- per listing for subsequent updates				NA	NA	\$ 0.060	per listing
6	MI	DIRECTORY LISTING PRODUCT	White Page Directory Listings					NA	NA	per listing
6	MI	DIRECTORY LISTING PRODUCT	Non Published/Non List Directory Listings					NA	NA	per listing

AT&T Wholesale Amendment

AMENDMENT**BETWEEN**

BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA AND AT&T TENNESSEE, ILLINOIS BELL TELEPHONE COMPANY D/B/A AT&T ILLINOIS, INDIANA BELL TELEPHONE COMPANY INCORPORATED D/B/A AT&T INDIANA, MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN, NEVADA BELL TELEPHONE COMPANY D/B/A AT&T NEVADA AND AT&T WHOLESALE, THE OHIO BELL TELEPHONE COMPANY D/B/A AT&T OHIO, PACIFIC BELL TELEPHONE COMPANY D/B/A AT&T CALIFORNIA, SOUTHWESTERN BELL TELEPHONE COMPANY D/B/A AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA AND AT&T TEXAS, WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN

AND

MCIMETRO ACCESS TRANSMISSION SERVICES CORP.; MCIMETRO ACCESS TRANSMISSION SERVICES CORP. D/B/A VERIZON ACCESS TRANSMISSION SERVICES



Signature: eSigned - Daniel J. Higgins II

Signature: eSigned - William Bockelman

Name: eSigned - Daniel J. Higgins II
 (Print or Type)

Name: eSigned - William Bockelman
 (Print or Type)

Title: AVP, Verizon Partner Solution
 (Print or Type)

Title: DIR-INTERCONNECTION AGREEMENTS
 (Print or Type)

Date: 30 May 2017

Date: 30 May 2017

MCImetro Access Transmission Services Corp.;
MCImetro Access Transmission Services Corp.
d/b/a Verizon Access Transmission Services

BellSouth Telecommunications, LLC d/b/a AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA and AT&T TENNESSEE, Illinois Bell Telephone Company d/b/a AT&T ILLINOIS, Indiana Bell Telephone Company Incorporated d/b/a AT&T INDIANA, Michigan Bell Telephone Company d/b/a AT&T MICHIGAN, Nevada Bell Telephone Company d/b/a AT&T NEVADA and AT&T Wholesale, The Ohio Bell Telephone Company d/b/a AT&T OHIO, Pacific Bell Telephone Company d/b/a AT&T CALIFORNIA, Southwestern Bell Telephone Company d/b/a AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA and AT&T TEXAS, Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN by AT&T Services, Inc., its authorized agent

State	Resale OCN	ULEC OCN	CLEC OCN
ALABAMA	7149,7221,7229,7826	7229	7149,7228,7229
ARKANSAS	7020,7229	052A	052A,7277
CALIFORNIA	7020,7229,7526	7283	7070,7128,7229,7240,7283,8707
FLORIDA	7149,7229,7318,7448,7826	7229	2529,7149,7228,7229
GEORGIA	7149,7229,7318,7435,7826	7229	2529,7149,7228,7229
ILLINOIS	7108,7287	7229	2655,7149,7228,7229
INDIANA	7440,8552	7229	2658,7149,7228,7229
KANSAS	7020,7229	7524	2533,7524,7593
KENTUCKY	7149,7229,7826	7229	7149,7228,7229
LOUISIANA	7149,7229,7826	7229	7149,7229
MICHIGAN	7020,7108,7289	7229	2649,7227,7228,7229
MISSISSIPPI	7149,7221,7229,7463,7826	7229	4886,7149,7227,7229
MISSOURI	7020,7149,7229,7974	7290	2691,7290,7432,7594,7666
NEVADA	7020,7229	053A	053A,1794,7376

NORTH CAROLINA	7149,7221,7229,7826	7229	2529,7149,7228,7229
OHIO	7020,7108,7294	7229,7836	2535,7149,7227,7228,7229
OKLAHOMA	7020,7229	7824	7258,7824
SOUTH CAROLINA	7149,7221,7229,7826	7229	7149,7228,7229
TENNESSEE	7149,7221,7229,7278,7826	7229	7149,7227,7229
TEXAS	7020,7149,7229,7975	7297	2537,7239,7249,7297,7976
WISCONSIN	7108,7423	7229	2726,7228,7229

Description	ACNA Code(s)
ACNA(s)	ICF,MFZ,WUA,BFP,AKJ,BFC

**AMENDMENT TO THE AGREEMENT
BETWEEN
MCIMETRO ACCESS TRANSMISSION SERVICES LLC OR MCIMETRO ACCESS TRANSMISSION
SERVICES, L.L.C.
AND
BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T ALABAMA, AT&T FLORIDA, AT&T
GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA,
AT&T SOUTH CAROLINA AND AT&T TENNESSEE, ILLINOIS BELL TELEPHONE COMPANY D/B/A
AT&T ILLINOIS, INDIANA BELL TELEPHONE COMPANY INCORPORATED D/B/A AT&T INDIANA,
MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN, NEVADA BELL TELEPHONE
COMPANY D/B/A AT&T NEVADA AND AT&T WHOLESALE, THE OHIO BELL TELEPHONE
COMPANY D/B/A AT&T OHIO, PACIFIC BELL TELEPHONE COMPANY D/B/A AT&T CALIFORNIA,
SOUTHWESTERN BELL TELEPHONE COMPANY D/B/A AT&T ARKANSAS, AT&T KANSAS, AT&T
MISSOURI, AT&T OKLAHOMA AND AT&T TEXAS, WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN**

This Amendment (the "Amendment") amends the Agreements by and between AT&T and MCImetro Access Transmission Services LLC or MCImetro Access Transmission Services, L.L.C. (collectively "MCImetro") as shown in the attached Exhibit A. AT&T and MCImetro are hereinafter referred to collectively as the "Parties" and individually as a "Party."

WHEREAS, AT&T and MCImetro are Parties to the Agreements as shown in the attached Exhibit A; and

WHEREAS, MCImetro Access Transmission Services LLC and MCImetro Access Transmission Services, L.L.C. have changed their names to "MCImetro Access Transmission Services Corp." in the states of Alabama, California, Florida, Georgia, Indiana, Kansas, Louisiana, Missouri, Mississippi, Nevada, North Carolina, Oklahoma, South Carolina, Texas and Wisconsin and to "MCImetro Access Transmission Services Corp. d/b/a Verizon Access Transmission Services" in the states of Arkansas, Illinois, Kentucky, Michigan, Ohio and Tennessee and wish to reflect these name changes as set forth herein

WHEREAS, the Parties desire to amend the Agreement to implement to the *Connect America Fund et al.*, WC Docket No. 10-90 et al, Report and Order issued by the Federal Communications Commission ("FCC") on November 18, 2011 (FCC 11-161), and as amended by the FCC on December 23, 2011 (FCC 11-189) ("FCC ICC Reform Order"), and

WHEREAS, the Parties desire to amend the Agreement to implement the *Petition of USTelecom for Forbearance Pursuant to 47 U.S.C. § 160(c)* from Enforcement of Obsolete ILEC Legacy Regulations That Inhibit Deployment of Next-Generation Networks, WC Docket No. 14-192, Released December 28, 2015 ("FCC US Telecom Forbearance Order"), and

WHEREAS, the Parties desire to modify certain provisions related to Customer Information Services pursuant to WC Docket No. 16-13, approved March 15, 2016.

NOW, THEREFORE, in consideration of the promises and mutual agreements set forth herein, the Parties agree to amend the Agreement as follows:

1. The Amendment is composed of the foregoing recitals, the terms and conditions, contained within, Exhibit A - AT&T Listing of Interconnection Agreements, Exhibit B – Customer Information Services, and Exhibit C - Pricing Sheet, all of which are hereby incorporated within this Amendment by this reference and constitute a part of this Amendment.
2. **Intercarrier Compensation**
 - 2.1. The Parties hereby implement the intercarrier compensation rates reflected in the Pricing Sheet attached hereto as Exhibit C, for the termination of all Section 251(b)(5) Traffic exchanged between the Parties in the applicable state(s). The intercarrier compensation rates included in Exhibit C hereby supersede the existing rate elements included in the Agreement for purposes of reciprocal compensation and apply regardless of whether Section 251(b)(5) Traffic is routed through a Party's Tandem Switch or End Office.
3. **Forbearance**

- 3.1. Delete the rates, terms and conditions related to the unbundling of a 64 kbps voice-grade channel to provide narrowband services over fiber where an incumbent LEC retires a copper loop it has overbuilt with a fiber-to-the-home or fiber-to-the-curb loop.

4. **Customer Information Services (CIS)**

- 4.1. With the exception of 4.3 herein, delete all rates, terms and conditions pertaining to Customer Information Services, including but not limited to services related to Operator Services (OS), Directory Assistance (DA), Directory Assistance Listings (DAL), Inward Assistance Operator Services (INW) and White Pages (e.g., Busy Line Verification (BLV), Busy Line Verification/Interrupt (BLV/I), etc.) from the Agreement.
- 4.2. Add Attachment 06 - Operator Services and Directory Assistance (OS/DA), attached hereto as Exhibit B; and the Operator Services and Directory Assistance (OS/DA) rates reflected in the Pricing Sheet, attached hereto as Exhibit C, to the Agreement.
- 4.3. **Add the following provisions to the Attachment or Appendix for Resale**
 - CIS.1 For Resale service, AT&T will provide Customer Information Services to CLEC's End Users where technically feasible and/or available to AT&T retail End Users. Dialing, response, and sound quality will be provided in parity to AT&T retail End Users.
 - CIS.2 CLEC is solely responsible for the payment of all charges for all services furnished under this Attachment, including but not limited to calls originated or accepted at CLEC's location and its End Users' service locations.
 - CIS.3 Interexchange carrier traffic (e.g., sent-paid, information services and alternate operator services messages) received by AT&T for billing to Resale End User accounts will be returned as unbillable and will not be passed to CLEC for billing. An unbillable code will be returned with those messages to the carrier indicating that the messages were generated by a Resale account and will not be billed by AT&T.
 - CIS.4 AT&T shall not be responsible for the manner in which utilization of Resale Services or the associated charges are allocated to End Users or others by CLEC. Applicable rates and charges for services provided to CLEC under this Attachment will be billed directly to CLEC and shall be the responsibility of CLEC.
 - CIS.5 Charges billed to CLEC for all services provided under this Attachment shall be paid by CLEC regardless of CLEC's ability or inability to collect from its End Users for such services.
 - CIS.6 If CLEC does not wish to be responsible for payment of charges for calling card, collect, or third number billed calls (Alternately Billed Traffic or "ABT") or toll and information services (for example, 900 calls), CLEC must order the appropriate available blocking for lines provided under this Attachment and pay any applicable charges. It is the responsibility of CLEC to order the appropriate toll restriction or blocking on lines resold to End Users. CLEC acknowledges that blocking is not available for certain types of calls, including without limitation 800, 888, 411 and Directory Assistance Express Call Completion. Depending on the origination point, for example, calls originating from correctional facilities, some calls may bypass blocking systems. CLEC acknowledges all such limitations and accepts all responsibility for any charges associated with calls for which blocking is not available and any charges associated with calls that bypass blocking systems.

5. **Name Change**

- 5.1 The Agreement is hereby amended to reflect the name change from "MCImetro Access Transmission Services LLC" or "MCImetro Access Transmission Services, L.L.C." to "MCImetro Access Transmission Services Corp." in the states of Alabama, California, Florida, Georgia, Indiana, Kansas, Louisiana, Missouri, Mississippi, Nevada, North Carolina, Oklahoma, South Carolina, Texas and Wisconsin and to "MCImetro Access Transmission Services Corp. d/b/a Verizon Access Transmission Services" in the states of Arkansas, Illinois, Kentucky, Michigan, Ohio and Tennessee.

- 5.2 AT&T shall reflect that name change from "MCImetro Access Transmission Services LLC" or "MCImetro Access Transmission Services, L.L.C." to "MCImetro Access Transmission Services Corp." in the states of Alabama, California, Florida, Georgia, Indiana, Kansas, Louisiana, Missouri, Mississippi, Nevada, North Carolina, Oklahoma, South Carolina, Texas and Wisconsin and to "MCImetro Access Transmission Services Corp. d/b/a Verizon Access Transmission Services" in the states of Arkansas, Illinois, Kentucky, Michigan, Ohio and Tennessee only for the main billing account (header card) for each of the accounts previously billed to MCImetro Access Transmission Services LLC or MCImetro Access Transmission Services, L.L.C. AT&T shall not be obligated, whether under this Amendment or otherwise, to make any other changes to AT&T's records with respect to those accounts, including to the services and items provided and/or billed thereunder or under the Agreement. Without limiting the foregoing, MCImetro affirms, represents, and warrants that the ACNA and OCN for those accounts shall not change from that previously used by MCImetro Access Transmission Services LLC or MCImetro Access Transmission Services, L.L.C. with AT&T for those accounts and the services and items provided and/or billed thereunder or under the Agreement.
- 5.3 Once this Amendment is effective, MCImetro shall operate with AT&T under the "MCImetro Access Transmission Services Corp." name in the states of Alabama, California, Florida, Georgia, Indiana, Kansas, Louisiana, Missouri, Mississippi, Nevada, North Carolina, Oklahoma, South Carolina, Texas and Wisconsin and under the "MCImetro Access Transmission Services Corp. d/b/a Verizon Access Transmission Services" name in the states of Arkansas, Illinois, Kentucky, Michigan, Ohio and Tennessee for those accounts. Such operation shall include, by way of example only, submitting orders under MCImetro, and labeling (including re-labeling) equipment and facilities with MCImetro. Any change in MCImetro's name including a change in the "d/b/a", or due to assignment or transfer of this Agreement wherein only MCImetro's name is changing, and no Carrier Company Code(s) (ACNA/CIC/OCN) are changing, constitutes a Carrier Name Change under this Section. For any Carrier Name Change, MCImetro is responsible for providing proof of compliance with industry standards related to any Company Code(s), including notification of the name change to the appropriate issuing authority of those Company Code(s) as required. MCImetro must submit the appropriate service request to AT&T to update MCImetro's name on all applicable billing accounts (BANs), and MCImetro is responsible for all applicable processing/administration and nonrecurring charges for each service request. Should MCImetro desire to change its name on individual circuits and/or End User records, MCImetro must submit the appropriate service request(s) to AT&T to update MCImetro's name on individual circuits and/or End User records, and MCImetro is responsible for all applicable processing/administration and nonrecurring charges for each of those service request(s).
6. The Parties agree to replace Section N (Section 15. In Arkansas and Oklahoma, Section 15.0 in Kansas, Section 18 in Alabama, Florida, Georgia, Kentucky, Louisiana, Mississippi, North Carolina, South Carolina and Tennessee, Section 19 in Michigan, Missouri, Ohio and Texas, Section 19. In California, Illinois, Indiana and Wisconsin and Section 47. In Nevada) from the Agreement with the following language:
- N. Notices**
- N.1 Notices given by CLEC to AT&T under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:
- N.1.1 delivered by electronic mail (email).
- N.1.2 delivered by facsimile.
- N.2 Notices given by AT&T to the CLEC under this Agreement shall be in writing (unless specifically provided otherwise herein), and unless otherwise expressly required by this Agreement to be delivered to another representative or point of contact, shall be pursuant to at least one of the following methods:
- N.2.1 delivered by electronic mail (email) provided CLEC has provided such information in Section N.4 below.
- N.2.2 delivered by facsimile provided CLEC has provided such information in Section N.4 below.
- N.3 Notices will be deemed given as of the earliest of:

- N.3.1 the date of actual receipt.
- N.3.2 notice by email shall be effective on the date it is officially recorded as delivered by delivery receipt and in the absence of such record of delivery, it shall be presumed to have been delivered on the date sent.
- N.3.3 on the date set forth on the confirmation produced by the sending facsimile machine when delivered by facsimile prior to 5:00 p.m. in the recipient’s time zone, but the next Business Day when delivered by facsimile at 5:00 p.m. or later in the recipient’s time zone.

N.4 Notices will be addressed to the Parties as follows:

NOTICE CONTACT	CLEC CONTACT
NAME/TITLE	Gerald E. Eisenhart Manager, Carrier Management
STREET ADDRESS	777 East Park Drive
CITY, STATE, ZIP CODE	Harrisburg, PA 17111
PHONE NUMBER*	717.562.5048
FACSIMILE NUMBER	N/A
EMAIL ADDRESS	gerald.e.eisenhart@verizon.com

COPY TO CONTACT	CLEC CONTACT
NAME/TITLE	James G. Pachulski Deputy General Counsel
STREET ADDRESS	1320 North Court House Road, 9 th Floor
CITY, STATE, ZIP CODE	Arlington, VA 22201
PHONE NUMBER*	703.351.3656
FACSIMILE NUMBER	N/A
EMAIL ADDRESS	VZLegalWholesale@verizon.com

	AT&T CONTACT
NAME/TITLE	Contract Management ATTN: Notices Manager
FACSIMILE NUMBER	(214) 712-5792
EMAIL ADDRESS	The current email address as provided on AT&T’s CLEC Online website

*Informational only and not to be considered as an official notice vehicle under this Section.

- N.5 Either Party may unilaterally change its designated contact name, address, email address, and/or facsimile number for the receipt of Notices by giving written Notice to the other Party in compliance with this Section N. Unless explicitly stated otherwise, any change to the designated contact name, address, email address, and/or facsimile number will replace such information currently on file. Any Notice to change the designated contact name, address, email address, and/or facsimile number for the receipt of Notices shall be deemed effective ten (10) calendar days following receipt by the other Party.
- N.6 In addition, CLEC agrees that it is responsible for providing AT&T with CLEC’s OCN and ACNA numbers for the states in which CLEC is authorized to do business and in which CLEC is requesting that this Agreement apply. In the event that CLEC wants to change and/or add to the OCN and/or ACNA information in the CLEC Profile, CLEC shall send written notice to AT&T to be received at least thirty (30) days prior to the

change and/or addition in accordance with this Section N. notice provision; CLEC shall also update its CLEC Profile through the applicable form and/or web-based interface.

N.6.1 CLEC may not order services under a new account and/or subsequent state certification, established in accordance with this Section until thirty (30) days after all information specified in this Section is received from CLEC.

N.6.2 CLEC may be able to place orders for certain services in AT&T without having properly updated the CLEC Profile; however, at any time during the term of this Agreement without additional notice AT&T may at its discretion eliminate such functionality. At such time, if CLEC has not properly updated its CLEC Profile, ordering capabilities will cease, and CLEC will not be able to place orders until thirty (30) days after CLEC has properly updated its CLEC Profile.

N.7 AT&T communicates official information to CLECs via its Accessible Letter, or other applicable, notification processes. These processes involve electronic transmission and/or posting to the AT&T CLEC Online website, inclusive of a variety of subjects including declaration of a force majeure, changes on business processes and policies, and other product/service related notices not requiring an amendment to this Agreement.

7. There shall be no retroactive application of any provision of this Amendment prior to the Effective Date of an adopting CLEC's agreement.
8. This Amendment shall be deemed to revise the terms and provisions of the Agreement only to the extent necessary to give effect to the terms and provisions of this Amendment. In the event of a conflict between the terms and provisions of this Amendment and the terms and provisions of the Agreement (including all incorporated or accompanying Appendices, Addenda, and Exhibits to the Agreement), this Amendment shall govern, provided, however, that the fact that a term or provision appears in this Amendment but not in the Agreement, or in the Agreement but not in this Amendment, shall not be interpreted as, or deemed grounds for finding, a conflict for purposes of this Amendment.
9. In entering into this Amendment, neither Party waives, and each Party expressly reserves, any rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the underlying Agreement (including intervening law rights asserted by either Party via written notice predating this Amendment) with respect to any orders, decisions, legislation or proceedings and any remands thereof, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further review.
10. This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with such Agreement.
11. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.
12. Signatures by all Parties to this Amendment are required to effectuate this Amendment. This Amendment may be executed in counterparts. Each counterpart shall be considered an original and such counterparts shall together constitute one and the same instrument.
13. For Alabama, Florida, Georgia, Illinois, Indiana, Kansas, Kentucky, Louisiana, Michigan, Mississippi, Missouri, Nevada, North Carolina, Oklahoma, South Carolina, Tennessee, Texas: This Amendment shall be filed with and is subject to approval by the applicable state Commission and shall become effective ten (10) days following approval by such Commission. For Arkansas: This Amendment shall be filed with the Arkansas Public Service Commission and shall become effective upon filing. For Ohio: Based on the Public Utilities Commission of Ohio Rules, the Amendment is effective upon filing and is deemed approved by operation of law on the 91st day after filing. For California: Pursuant to Resolution ALJ 257, this filing will become effective, absent rejection of the Advice Letter by the Commission, upon thirty (30) days after the filing date of the Advice Letter to which this Amendment is appended. For Wisconsin: Pursuant to Wisconsin Statute § 196.40, this Amendment shall become effective ten (10) days after the mailing date of the final order approving this Amendment.

Exhibit A

AT&T ILEC (“AT&T”)	CARRIER Legal Name	Contract Type	Approval Date
Southwestern Bell Telephone Company d/b/a AT&T ARKANSAS	MCImetro Access Transmission Services LLC	Interconnection	3/27/06
Bellsouth Telecommunications, LLC d/b/a AT&T ALABAMA	MCImetro Access Transmission Services, L.L.C.	Interconnection	11/08/06
Bellsouth Telecommunications, LLC d/b/a AT&T FLORIDA	MCImetro Access Transmission Services, L.L.C.	Interconnection	1/31/07
Bellsouth Telecommunications, LLC d/b/a AT&T GEORGIA	MCImetro Access Transmission Services, L.L.C.	Interconnection	12/12/06
Bellsouth Telecommunications, LLC d/b/a AT&T KENTUCKY	MCImetro Access Transmission Services, L.L.C.	Interconnection	11/20/06
Bellsouth Telecommunications, LLC d/b/a AT&T LOUISIANA	MCImetro Access Transmission Services, L.L.C.	Interconnection	2/3/07
Bellsouth Telecommunications, LLC d/b/a AT&T MISSISSIPPI	MCImetro Access Transmission Services, L.L.C.	Interconnection	12/6/06
Bellsouth Telecommunications, LLC d/b/a AT&T NORTH CAROLINA	MCImetro Access Transmission Services, L.L.C.	Interconnection	11/1/06
Bellsouth Telecommunications, LLC d/b/a AT&T SOUTH CAROLINA	MCImetro Access Transmission Services, L.L.C.	Interconnection	2/13/07
Bellsouth Telecommunications, LLC d/b/a AT&T TENNESSEE	MCImetro Access Transmission Services, L.L.C.	Interconnection	1/8/07
AT&T ILEC (“AT&T”)	CARRIER Legal Name	Contract Type	Approval Date

Southwestern Bell Telephone Company d/b/a AT&T KANSAS	MCImetro Access Transmission Services LLC	Interconnection	10/26/05
Southwestern Bell Telephone Company d/b/a AT&T MISSOURI	MCImetro Access Transmission Services LLC	Interconnection	10/20/10
Southwestern Bell Telephone Company d/b/a AT&T OKLAHOMA	MCImetro Access Transmission Services LLC	Interconnection	2/22/07
Southwestern Bell Telephone Company d/b/a AT&T TEXAS	MCImetro Access Transmission Services LLC	Interconnection	8/29/05
Illinois Bell Telephone Company d/b/a AT&T ILLINOIS	MCImetro Access Transmission Services LLC	Interconnection	11/4/10
Indiana Bell Telephone Company Incorporated d/b/a AT&T INDIANA	MCImetro Access Transmission Services LLC	Interconnection	3/11/06
Michigan Bell Telephone Company d/b/a AT&T MICHIGAN	MCImetro Access Transmission Services LLC	Interconnection	12/18/03
The Ohio Bell Telephone Company d/b/a AT&T OHIO	MCImetro Access Transmission Services LLC	Interconnection	2/13/03
Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN	MCImetro Access Transmission Services LLC	Interconnection	7/18/07
Pacific Bell Telephone Company d/b/a AT&T CALIFORNIA	MCImetro Access Transmission Services LLC	Interconnection	9/1/06
Nevada Bell Telephone Company d/b/a AT&T NEVADA and AT&T Wholesale	MCImetro Access Transmission Services LLC	Interconnection	2/24/03

**ATTACHMENT 06 – OPERATOR SERVICES AND
DIRECTORY ASSISTANCE
(f/k/a CUSTOMER INFORMATION SERVICES)**

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1.0 INTRODUCTION

1.1 This Attachment sets forth the rates, terms and conditions under which AT&T-21STATE shall provide Operator Services/Directory Assistance (OS/DA) and Listings.

1.2 OS/DA:

1.2.1 This Attachment sets forth the rates, terms and conditions under which the Parties shall jointly carry out OS/DA on a wholesale basis for CLEC End Users residing in AT&T-21STATE's local Exchange territory, regardless of whether CLEC is serving its End Users via:

1.2.1.1 CLEC's own physical Switches; or

1.2.1.2 Resale of AT&T-21STATE Retail OS/DA service.

1.2.2 CLEC shall be the retail OS/DA provider to its End Users, and AT&T-21STATE shall be the wholesale provider of OS/DA operations to CLEC. AT&T-21STATE shall answer CLEC's End User OS/DA calls on CLEC's behalf, as follows:

1.2.2.1 When the End User dials 0- or 0+ the telephone number, AT&T-21STATE shall provide the Operator Services described in Section 3.4 below. CLEC may set its own retail OS/DA rates, and CLEC therefore acknowledges its responsibility to obtain (a) End User agreement to the OS/DA retail rates (e.g., by tariff or contract), and (b) any necessary regulatory approvals for its OS/DA retail rates.

1.2.2.2 In response to CLEC End User inquiries about OS/DA rates, where available and technically feasible, AT&T-21STATE operators shall quote CLEC retail OS/DA rates, provided by CLEC (see Section 3.6 below). If further inquiries are made about rates, billing and/or other "business office" questions, AT&T-21STATE's OS/DA operators shall direct the calling party's inquiries to a CLEC-provided contact number (also see Section 3.6 below).

1.2.3 CLEC shall pay the applicable OS/DA rates found in the Pricing Sheet based upon CLEC's status as a Facilities-Based CLEC or a reseller. Provided however, CLEC may serve both as a reseller and as a facilities-based provider and CLEC may convert its facilities-based End Users to Resale service, or vice versa, as described below in Section 3.6.7 below.

1.2.3.1 CLEC acknowledges and understands that wholesale OS/DA rates differ between Resale and facilities-based service, and that both types of OS/DA wholesale rates are listed in the Pricing Sheet.

1.2.3.2 Billing and payment details, including the assessment of late payment charges for unpaid balances, are governed by the General Terms and Conditions in this Agreement.

1.3 Listings:

1.3.1 This Attachment sets forth terms and conditions that apply to Resale and Facility-Based CLECs for subscriber listing information provided by AT&T-21STATE.

2.0 DEFINITIONS

2.1 "Consolidated Reference Rater (CRR)" provides reference information (business office and repair numbers) and rate quotes for CLEC End Users.

2.2 "Facilities-Based CLEC" means a CLEC that provides service through its own switch or a Third Party provider's switch.

2.3 "General Assistance" means a service in which the End User dialing - 0 asks the OS operator for assistance. The operator will respond in accordance with OS methods and practices that are in effect at the time the End User makes an OS call where available and technically feasible.

2.4 "Listings" means information identifying the listed names of subscribers of carriers and subscribers' telephone numbers, addresses or primary advertising classification or any combination, and that carrier or affiliate has published, caused to be published or accepted for publication in any directory format.

2.5 "Services" means Operator Services/Directory Assistance (OS/DA) and Listings.

2.6 "Toll Center Code" means the three digit access tandem code ("ATC") that uniquely identifies a tandem switch in the Local Exchange Routing Guide (LERG) designated as providing access to operator services functions.

3.0 OPERATOR SERVICES (OS) / DIRECTORY ASSISTANCE (DA)

3.1 Dialing Parity:

3.1.1 AT&T-21STATE will provide OS/DA to CLEC's End Users with no unreasonable dialing delays and at dialing parity with AT&T-21STATE retail OS/DA services.

3.2 Response Parity:

3.2.1 Where available and technically feasible, CLEC's End Users shall be answered by AT&T-21STATE's OS and DA platforms with the same priority and using the same methods as for AT&T-21STATE's End Users.

3.2.2 Any technical difficulties in reaching the AT&T-21STATE OS/DA platform (e.g., cable cuts in the OS/DA trunks, unusual OS/DA call volumes, etc.) will be experienced at parity with AT&T-21STATE End Users served via that same AT&T-21STATE End Office Switch.

3.3 Requirements to Physically Interconnect:

3.3.1 This section describes the physical interconnection and trunking requirements for a Facilities-Based CLEC to interconnect with AT&T-21STATE's OS/DA switches.

3.3.2 The demarcation point for OS/DA traffic between the Parties' networks need not coincide with the point of interconnection for the physical interconnection of all other inter-carrier voice traffic, but at a minimum must be in the Local Access and Transport Area (LATA) in which the CLEC's OS/DA traffic originates.

3.3.2.1 Because CLEC's switch may serve End Users in more than one LATA, the Parties agree that CLEC's OS/DA traffic originates from the physical location of the End User dialing 0, 411, or 555-1212 and not the physical location of CLEC's switch.

3.3.2.2 To the extent CLEC is serving via circuit-switched wireless technology, the physical location of the End User dialing 0, 411, or 555-1212 shall be deemed the End User's physical billing address, regardless of whether the End User may be roaming at the time of placing the OS/DA call.

3.3.3 The Parties will establish an OS/DA demarcation point at the AT&T-21STATE's OS/DA switch. By mutual agreement, an alternative OS/DA demarcation point may be determined based on the following factors:

3.3.3.1 The size and type of facilities needed to carry CLEC's switch-based OS/DA traffic;

3.3.3.2 Whether CLEC wishes to interconnect for OS or DA, or both;

3.3.3.3 Whether CLEC or CLEC's Affiliate is collocated in an AT&T-21STATE local tandem office and wishes to use the collocation as the OS/DA demarcation point; and

3.3.3.4 Whether CLEC or CLEC's Affiliate already has existing OS/DA facilities in place to the AT&T-21STATE's OS/DA platforms.

3.3.4 CLEC shall be financially responsible for the transport facilities to the AT&T-21STATE's switch(es). CLEC may self-provision these OS/DA facilities, lease them from Third Parties, or lease them from AT&T-21STATE's intrastate Special Access Tariff. CLEC shall remain financially responsible for the transport facilities to the AT&T-21STATE's switch(es) and/or any one-way trunk groups from its designated operator assistance and directory assistance (or OA/DA) switch to the AT&T-21STATE operator assistance switch until CLEC initiates and successfully disconnects such transport facilities and/or trunk groups.

3.3.5 General OS/DA Trunking Requirements:

- 3.3.5.1 CLEC will initiate an Access Service Request (ASR) for all OS/DA trunk groups from its switch to the appropriate AT&T-21STATE OS/DA switches as a segregated one-way trunk group utilizing Multi-Frequency (MF) signaling. Unless technically infeasible, AT&T-21STATE will provision all such one-way trunk groups in the same manner and at the same intervals as for all other interconnection trunks between the Parties.
- 3.3.5.2 CLEC will employ Exchange Access Operator Services Signaling (EAOSS) from the AT&T-21STATE End Offices to the AT&T-21STATE OS/DA switches that are equipped to accept 10-Digit Signaling for Automatic Number Identification (ANI).
- 3.3.5.3 Where EAOSS is not available, Modified Operator Services Signaling (MOSS) will be utilized, and a segregated one-way trunk group with MF signaling will be established from CLEC to each AT&T-21STATE OS/DA switch for each served Numbering Plan Area (NPA) in the LATA.
- 3.3.6 Specific OS/DA Trunk Groups and Their Requirements
 - 3.3.6.1 Operator Service Trunks:
 - 3.3.6.1.1 CLEC shall establish a one-way trunk group from CLEC's switch to the AT&T-21STATE OS switch serving OS End Users in that LATA. An OS only trunk group will be designated with the appropriate OS traffic use code and modifier. If the trunk group transports combined OS/DA/DACC over the same trunk group, then the group will be designated with a different traffic use code and modifier for combined services. CLEC will have administrative control for the purpose of issuing ASRs on this one-way trunk group.
 - 3.3.6.2 DA/DA Call Completion (DACC) Trunks:
 - 3.3.6.2.1 Where permitted, CLEC shall establish a one-way trunk group from CLEC's switch to the AT&T-21STATE DA switch serving DA End Users in that LATA. If the trunk group transports DA/DACC only, but not OS, then the trunk group will be designated with the appropriate DA traffic use code and modifier.
 - 3.3.6.2.2 In AT&T-12STATE, if OS/DA/DACC is transported together on a combined trunk group, then the group will be designated with a different appropriate traffic use code and modifier from that used for a DA/DACC only trunk group. CLEC will have administrative control for the purpose of issuing ASRs on this one-way trunk group.
 - 3.3.6.2.3 In AT&T SOUTHEAST REGION 9-STATE, if OS/DA/DACC is transported together on a combined trunk group, then the group will be designated with an appropriate traffic use code and modifier. CLEC will have administrative control for the purpose of issuing ASRs on this one-way trunk group.
- 3.4 Operator Services Call Processing and Rates:
 - 3.4.1 AT&T-21STATE will assess its OS charges based upon whether the CLEC End User is receiving (a) manual OS (i.e., provided via an operator), or (b) automated OS (i.e., an OS switch equipment voice recognition feature, functioning either fully or partially without operators where available and technically feasible). The Pricing Sheet contains the full set of OS recurring and nonrecurring rates.
 - 3.4.2 AT&T-21STATE will provide OS to CLEC End Users where available and technically feasible to AT&T-21STATE End Users served in accordance with OS methods and practices in effect at the time the CLEC End User makes an OS call.
- 3.5 Directory Assistance Call Processing and Rates:
 - 3.5.1 AT&T-21STATE DA charges are assessed on a flat rate per call, regardless of call duration. The Pricing Sheet contains the recurring and nonrecurring rates.
 - 3.5.2 AT&T-21STATE will provide DA Services to CLEC End Users where available and technically feasible to AT&T-21STATE End Users served in accordance with DA Services methods and practices that are in effect

at the time CLEC End User makes a DA call. AT&T-21STATE will provide the following DA services to a CLEC End User:

- 3.5.2.1 Local Directory Assistance - Consists of providing published name and telephone number.
- 3.5.2.2 Directory Assistance Call Completion (DACC) - A service in which a local or an intraLATA call to the requested number is completed.
- 3.5.2.3 National Directory Assistance (NDA) - A service whereby callers may request published name and telephone number outside their LATA or local calling area for any listed telephone number in the United States.
- 3.5.2.4 Reverse Directory Assistance (RDA) - Consists of providing listed local and national name and address information associated with a telephone number.
- 3.5.2.5 Business Category Search (BCS) - A service whereby callers may request business telephone number listings for a specified category of business, when the name of the business is not known. Telephone numbers may be requested for local and national businesses.

3.6 OS/DA Non-recurring Charges for Loading Automated Call Greeting (i.e., Brand Announcement), Rates and Reference Information:

- 3.6.1 CLEC End Users will hear silence upon connecting with the OS/DA switch. As an alternative to silence, CLEC may custom brand for which custom brand charges will apply.
 - 3.6.1.1 CLEC will provide announcement phrase information, via Operator Services Translations Questionnaire (OSTO), to AT&T-21STATE in conformity with the format, length, and other requirements specified for all CLECs on the AT&T CLEC Online website.
 - 3.6.1.2 AT&T-21STATE will then perform all of the loading and testing of the announcement for each applicable OS/DA switch prior to live traffic. CLEC may also change its pre-recorded announcement at any time by providing a new announcement phrase in the same manner. CLEC will be responsible for paying subsequent loading and testing charges.
 - 3.6.1.3 CLEC understands that End Users may not perceive silent announcements as ordinary mechanical handling of OS/DA calls.
 - 3.6.1.4 CLEC agrees that if it does not brand the call, CLEC shall indemnify and hold AT&T-21STATE harmless from any regulatory violation, consumer complaint, or other sanction for failing to identify the OS/DA provider to the dialing End User.
- 3.6.2 AT&T-21STATE will be responsible for loading the CLEC provided recording into all applicable OS and/or DA switches prior to live traffic, testing the announcement for sound quality at parity with that provided to AT&T-21STATE End Users. CLEC will be responsible for paying the initial recording announcement loading charges, and thereafter, the per-call charge as well as any subsequent loading charges if new recordings or silent announcements are provided as specified above.
- 3.6.3 Branding load charges are assessed per loaded recording, per OCN, per switch. For example, a CLEC Reseller may choose to brand under a different name than its facilities-based operations, and therefore two separate recordings could be loaded into each switch, each incurring the branding or silent load charge. These charges are mandatory, nonrecurring, and are found in the Pricing Sheet.
- 3.6.4 Where Consolidated Reference Rater ("CRR") is available and technically feasible, the applicable CLEC-charged retail OS/DA rates and a CLEC-provided contact number (e.g., reference to a CLEC business office or repair center) are loaded into the system utilized by the OS operator.
- 3.6.5 Where CRR is available and technically feasible, AT&T-21STATE will be responsible for loading the CLEC-provided OS/DA retail rates and the CLEC provided contact number(s) into the OS/DA switches. CLEC will be responsible for paying the initial reference and rate loading charges.

- 3.6.6 CRR load charges are assessed per loaded set of rates/references, where CRR is available and technically feasible, per OCN, per state. For example, a CLEC reseller may choose to rate differently than its Facilities-Based CLEC operations, or may change its rates/references during the life of the contract, and therefore separate sets of rates/references could be loaded for each OCN, per state, with each loading incurring the rate/reference charge. These charges are mandatory, nonrecurring and are found in the Pricing Sheet.
- 3.6.7 Converting End Users from prior branded service to CLEC or silent-branded service, or between Resale and facilities-based service:
- 3.6.7.1 To the extent that CLEC has already established the branding/silent announcement recording in AT&T-21STATE OS/DA switches for both Resale and facilities-based service, then no non-recurring charges apply to the conversion of End Users from prior Resale OS/DA wholesale service to facilities-based OS/DA wholesale service, or vice versa.
- 3.6.7.2 To the extent that CLEC has not established the branding announcement recording in AT&T-21STATE OS/DA switches for Resale and/or facilities-based service, then non-recurring charges apply to set up the OS/DA call for the new type of service, as is described in Section 3.6 above, and at the rates set forth in the Pricing Sheet.

4.0 LISTINGS

4.1 General Provisions:

- 4.1.1 Subject to state requirements and AT&T-21STATE's practices, as well as the rules and regulations applicable to the provision of listings, AT&T-21STATE will make available to CLEC, for CLEC End Users, non-discriminatory access to listings in the same manner as AT&T-21STATE makes listings available to AT&T-21STATE retail End Users.

4.2 Responsibilities of the Parties:

- 4.2.1 Subject to AT&T-21STATE's practices, as well as the rules and regulations applicable to the provision of white page directories, AT&T-21STATE will include in appropriate white pages directories the primary alphabetical listings of CLEC End Users located within the AT&T-21STATE ILEC Territory. When CLEC provides its subscriber listing information to AT&T-21STATE listings database, CLEC will receive for its End User, one primary listing in AT&T-21STATE white pages directory and a listing in AT&T-21STATE's DA database at no charge, other than applicable service order charges as set forth in the Pricing Sheet.
- 4.2.1.1 Except in the case of a Local Service Request (LSR) submitted solely to port a number from AT&T SOUTHEAST REGION 9-STATE, if such listing is requested on the initial LSR associated with the request for services, a single manual service order charge or electronic service order charge, as appropriate, will apply to both the request for service and the request for the directory listing. Where a subsequent LSR is placed solely to request a directory listing, or is placed to port a number and request a directory listing, separate service order charges as set forth in AT&T-21STATE's tariffs shall apply, as well as the manual service order charge or the electronic service order charge, as appropriate.
- 4.2.1.2 Listing Information Confidentiality:
- 4.2.1.2.1 AT&T-21STATE will afford CLEC's directory listing information the same level of confidentiality that AT&T-21STATE affords its own directory listing information.
- 4.2.1.3 Unlisted/Non-Published End Users:
- 4.2.1.3.1 CLEC will provide to AT&T-21STATE the names, addresses and telephone numbers of all CLEC End Users who wish to be omitted from directories. Non-listed/Non-Published listings will be subject to the rates as set forth in AT&T-21STATE's tariffs and/or service guidebooks. AT&T-21STATE does not provide a resale discount for any listings.

4.2.1.4 Additional Listings:

4.2.1.4.1 Where a CLEC End User requires listings in addition to the primary listing to appear in the white pages directory, AT&T-21STATE will offer such listings at rates as set forth in AT&T-21STATE's tariffs and/or service guidebooks. AT&T-21STATE does not provide a resale discount for any listings. CLEC shall furnish to AT&T-21STATE subscriber listing information pertaining to CLEC End Users located within the AT&T-21STATE ILEC Territory, along with such additional information as AT&T-21STATE may be required to include in the alphabetical listings of said directory. CLEC shall refer to the AT&T CLEC Online website for methods, procedures and ordering information.

4.2.2 CLEC will provide accurate subscriber listing information of its subscribers to AT&T-21STATE via a mechanized feed of the directory listing information to AT&T-21STATE's Directory Listing database. CLEC agrees to submit all listing information via a mechanized process within six (6) months of the Effective Date of this Agreement, or upon CLEC reaching a volume of two hundred (200) listing updates per day, whichever comes first. CLEC's subscriber listings will be interfiled (interspersed) in the directory among AT&T-21STATE's subscriber listing information. CLEC will submit listing information within one (1) business day of installation, disconnection or other change in service (including change of non-listed or non-published status) affecting the DA database or the directory listing of a CLEC End User. CLEC must submit all listing information intended for publication by the directory close (a/k/a last listing activity) date.

4.2.3 White Page Directories:

4.2.3.1 Subject to state requirements and AT&T-21STATE's practices, as well as the rules and regulations applicable to the provision of white page directories, each CLEC subscriber may receive one copy per primary End User listing, as provided by CLEC, of the appropriate AT&T-21STATE white pages directory in the same manner, format and at the same time that they are delivered to AT&T-21STATE's retail End Users.

4.2.4 Use of Subscriber Listing Information:

4.2.4.1 Subject to AT&T-21STATE's practices, as well as the rules and regulations applicable to the provision of white page directories, AT&T-21STATE agrees to serve as the single point of contact for all independent and Third Party directory publishers who seek to include CLEC's subscriber (i.e., End User) listing information in an area directory, and to handle the CLEC's subscriber listing information in the same manner as AT&T-21STATE's subscriber listing information. In exchange for AT&T-21STATE serving as the single point of contact and handling all subscriber listing information equally, CLEC authorizes AT&T-21STATE to include and use the CLEC subscriber listing information provided to AT&T-21STATE DA databases, and to provide CLEC subscriber listing information to directory publishers. Included in this authorization is release of CLEC listings to requesting competing carriers as required by Section 271(c)(2)(B)(vii)(II) and Section 251(b)(3) and any applicable state regulations and orders. Also included in this authorization is AT&T-21STATE's use of CLEC's subscriber listing information in AT&T-21STATE's DA, DA related products and services, and directory products and services.

4.2.4.2 AT&T-21STATE further agrees not to charge CLEC for serving as the single point of contact with independent and Third Party directory publishers, no matter what number or type of requests are fielded. In exchange for the handling of CLEC's subscriber list information to directory publishers, CLEC agrees that it will receive no compensation for AT&T-21STATE's receipt of the subscriber list information or for the subsequent release of this information to directory publishers. Such CLEC subscriber list information shall be interfiled (interspersed) with AT&T-21STATE's subscriber list information and the subscriber list information of other companies that have authorized a similar release of their subscriber list information by AT&T-21STATE.

- 4.2.5 Upon identification and notice of non-compliance by AT&T-21STATE, CLEC agrees to pay all direct costs incurred by AT&T-21STATE as a result of CLEC not complying with the terms of this Attachment and in accordance with the Limitations of Liability section in the General Terms and Conditions Attachment of this Agreement.
- 4.2.6 This Attachment shall not establish, be interpreted as establishing, or be used by either Party to establish or to represent their relationship as any form of agency, partnership or joint venture.
- 4.2.7 Breach of Contract:
- 4.2.7.1 If either Party is found to have materially breached the Listings terms of this Attachment, the non-breaching Party may terminate the Listings terms of this Attachment by providing written Notice to the breaching Party, whereupon this Attachment shall be null and void with respect to any issue of white pages directory published sixty (60) or more calendar days after the date of receipt of such written Notice. CLEC further agrees to pay all costs incurred by AT&T-21STATE and/or its Affiliates and vendor as a result of such CLEC breach.
- 4.2.8 General Conditions for Listings:
- 4.2.8.1 Notwithstanding the foregoing, AT&T-21STATE reserves the right to suspend, modify or terminate, without penalty, any Listings Service offerings that are provided under this Attachment on ninety (90) days' written notice in the form of an Accessible Letter.
- 4.2.8.2 CLEC shall be solely responsible for any and all legal or regulatory requirements for the modification or discontinuance of Listings products and/or services to CLEC End Users under this Section.

5.0 GENERAL CONDITIONS FOR OPERATOR SERVICES (OS), DIRECTORY ASSISTANCE (DA)

- 5.1 Notwithstanding the foregoing, AT&T-21STATE reserves the right to suspend, modify or terminate, without penalty, any OS and/or DA feature of Service(s) offerings that are provided under this Attachment on one hundred eighty (180) days' written notice in the form of an Accessible Letter.
- 5.2 Termination:
- 5.2.1 If the CLEC terminates OS and/or DA service prior to the expiration of the term of this Agreement, CLEC shall pay AT&T-21STATE, within thirty (30) calendar days of the issuance of any bills by AT&T-21STATE, all amounts due for actual services provided under this Attachment, plus estimated monthly charges for the remainder of the term. Estimated charges will be based on an average of the actual monthly amounts billed by AT&T-21STATE pursuant to this Attachment prior to its termination. The rates applicable for determining the amount(s) under the terms outlined in this Section are those specified in the Pricing Sheet.
- 5.3 CLEC shall be solely responsible for any and all legal or regulatory requirements for the modification or discontinuance of OS and/or DA products/services to CLEC End Users under this Attachment.

6.0 TERMINATION – ENTIRE ATTACHMENT 06 – OPERATOR ASSISTANCE AND DIRECTORY ASSISTANCE SERVICES

- 6.1 The Parties reserve the right to suspend or terminate, without penalty, this Attachment in its entirety on one hundred eighty (180) days' written notice. The Attachment will be coterminous with the ICA or will continue until the Party desiring to terminate this Attachment provides one hundred eighty (180) days' written Notice to the other Party of the date the Attachment will terminate ("Termination Date"), whichever date is earlier.

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
2MR-AT	AL	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU				0.00bk			MOU
2MR-AT	AL	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU				0.00bk			MILE/MOU
2MR-AT	AL	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU				0.00bk			MOU
6	AL	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement	AMT	CBADA			3,000.00	3,000.00	announcement
6	AL	BRANDING - DIRECTORY ASSISTANCE	Loading of Custom Branded Announcement per Switch per OCN	AMT	CBADC			1,170.00	1,170.00	per Switch per OCN
6	AL	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Access Service Calls, Charge Per Call				0.31			per call
6	AL	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion Access Service (DACC), Per Call				0.10			per call
6	AL	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	AL	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	AL	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS) - Initial Load, per listing					0.04		listing
6	AL	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS) - Update, per listing				0.04			listing
6	AL	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS) - Monthly Recurring Fee				150.00			monthly
6	AL	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS			7,000.00	7,000.00	announcement
6	AL	BRANDING - OPERATOR CALL PROCESSING	Loading of Custom Branded OA Announcement per shelf/NAV per OCN	AMT	CBAOL			500.00	500.00	per shelf/NAV per OCN
6	AL	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using BST LIDB				1.20			Minute
6	AL	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using Foreign LIDB				1.24			Minute
6	AL	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using BST LIDB				0.20			call
6	AL	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using Foreign LIDB				0.20			call
6	AL	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	AL	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	AL	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per OCN (1 OCN per Order)					420.00	420.00	OCN
6	AL	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per Switch per OCN					16.00	16.00	per Switch per OCN
6	AL	BRANDING - OPERATOR CALL PROCESSING	Unbranding - Loading of OA per OCN (Regional)					1,200.00	1,200.00	OCN
6	AL	BRANDING - OPERATOR CALL PROCESSING	Loading of OA Custom Branded Announcement per Switch per OCN					1,170.00	1,170.00	per Switch per OCN
6	AL	DIRECTORY LISTING PRODUCT	White Page Directory Listings - Initial Listing				0.00	0.00	0.00	initial listing is no charge
6	AL	DIRECTORY LISTING PRODUCT	Non Published / Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	AL	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				16.30%	N/A	N/A	Flat Rate Discount for Resale
6	AL	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				16.30%	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
2MR-AT	AR	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for All ISP-Bound and section 251(b)(5) Traffic as per FCC 01-131, per MOU		ZZUR2		\$0.00	NA	NA	MOU
2MR-AT	AR	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Optional EAS Transport and Termination per MOU		ZZUR2		\$0.00	NA	NA	MOU
6	AR	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call		ZZUO3		\$ 0.40	NA	NA	per call
6	AR	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call - credit		ZZUO4		\$ 0.40	NA	NA	per call
6	AR	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC) - per call		ZZUO7		\$ 0.15	NA	NA	per call
6	AR	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA) per call		ZZUO5		\$ 0.65	NA	NA	per call
6	AR	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA) per call - credit		ZZUO6		\$ 0.65	NA	NA	per call
6	AR	DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS) per call		ZZUOB		\$ 0.65	NA	NA	per call
6	AR	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA) per call		ZZUO8		\$ 0.65	NA	NA	per call
6	AR	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA) per call - credit		ZZUO9		\$ 0.65	NA	NA	per call
6	AR	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Branding - Initial/Subsequent Load - per OCN, per switch		NRBDG		NA	\$ 1,800.00	\$ 1,800.00	per OCN, per switch
6	AR	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Branding - per call		ZZUCB		\$ 0.030	NA	NA	per call
6	AR	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Initial Load - per state, per OCN		NRBDL		NA	\$ 5,000.00	NA	per state, per OCN
6	AR	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Subsequent Load - per state, per OCN		NRBDM		NA	\$ 1,500.00	NA	per state, per OCN
6	AR	DIRECTORY LISTING PRODUCT	White Page Directory Listings					NA	NA	initial listing is no charge
6	AR	DIRECTORY LISTING PRODUCT	Non Published/Non List Directory Listings					NA	NA	See Tariffs and / or Service Guidebook
6	AR	OPERATOR CALL PROCESSING	Operated Services - Fully Automated Call Processing (Per completed automated call)		ZZUO1		\$ 0.15	NA	NA	per completed automated call
6	AR	OPERATOR CALL PROCESSING	Operator Assisted Call Processing -- All Types per work second		ZZUO2		\$ 0.030	NA	NA	per work second
6	AR	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Branding - Initial/Subsequent Load - per OCN, per switch		NRBDG		NA	\$ 1,800.00	\$ 1,800.00	per state per OCN
6	AR	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Branding - per call		ZZUCB		\$ 0.030	NA	NA	per call
6	AR	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Initial Load - per state, per OCN		NRBDL		NA	\$ 5,000.00	NA	per state per OCN
6	AR	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Subsequent Load - per state, per OCN		NRBDM		NA	\$ 1,500.00	NA	per state per OCN
6	AR	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				14.50%	NA	NA	Flat Rate Discount for Resale
6	AR	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				14.50%	NA	NA	Flat Rate Discount for Resale

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
2MR-AT	CA	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU				\$0.00			MOU
6	CA	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Rate, per call				\$ 0.40			Per Call
6	CA	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA), per call				\$ 0.65			Per Call
6	CA	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA), per call				\$ 0.65			Per Call
6	CA	DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS), per call				\$ 0.65			Per Call
6	CA	DIRECTORY ASSISTANCE SERVICES	Express Call Completion/Directory Assistance Call Completion (DACC) - Rate per call				\$ 0.15			Per Call
6	CA	DIRECTORY ASSISTANCE SERVICES	Express Call Completion/Directory Assistance Call Completion (DACC) - Call Completion LATA Wide - Per MOU				\$ 0.00436			Per Call
6	CA	BRANDING - DIRECTORY ASSISTANCE	Branding - Other - Initial/Subsequent Load, per switch, per OCN	OPS++	BRAND		NA	\$ 1,800.00	\$ 1,800.00	per switch, per OCN
6	CA	BRANDING - DIRECTORY ASSISTANCE	Branding and Reference/Rate Look Up, per DA Call				\$ 0.03			DA call
6	CA	BRANDING - DIRECTORY ASSISTANCE	Rate Reference - Initial Load, per state, per OCN				NA	\$ 5,000.00		per state, per OCN
6	CA	BRANDING - DIRECTORY ASSISTANCE	Rate Reference - Subsequent Load, per state, per OCN				NA		\$ 1,500.00	per state, per OCN
6	CA	BRANDING - OPERATOR CALL PROCESSING	Branding - Other - Initial/Subsequent Load, per switch, per OCN	OPS++	BRAND		NA	\$ 1,800.00	\$ 1,800.00	per switch, per OCN
6	CA	BRANDING - OPERATOR CALL PROCESSING	Branding and Reference/Rate Look Up, per OS Call				\$ 0.03			OS call
6	CA	BRANDING - OPERATOR CALL PROCESSING	Rate Reference - Initial Load, per state, per OCN				NA	\$ 5,000.00		per state, per OCN
6	CA	BRANDING - OPERATOR CALL PROCESSING	Rate Reference - Subsequent Load, per state, per OCN				NA		\$ 1,500.00	per state, per OCN
6	CA	OPERATOR CALL PROCESSING	Fully Automated Call Processing, per call				\$ 0.15			call
6	CA	OPERATOR CALL PROCESSING	Operator - Assisted Call Processing - All Types, per work second				\$ 0.03			work second
6	CA	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	initial listing is no charge
6	CA	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	CA	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				17.00%	N/A	N/A	Flat Rate Discount for Resale
6	CA	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				17.00%	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
2MR-AT	FL	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU				0.00bk			MOU
2MR-AT	FL	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU				0.00bk			MILE/MOU
2MR-AT	FL	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU				0.00bk			MOU
6	FL	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement	AMT	CBADA			3,000.00	3,000.00	announcement
6	FL	BRANDING - DIRECTORY ASSISTANCE	Loading of Custom Branded Announcement per Switch per OCN	AMT	CBADC			1,170.00	1,170.00	per Switch per OCN
6	FL	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Access Service Calls, Charge Per Call				0.31			Per Call
6	FL	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion Access Service (DACC), Per Call				0.10			Per Call
6	FL	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	FL	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	FL	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Initial Load, per listing					0.04		listing
6	FL	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Update, per listing				0.04			listing
6	FL	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Monthly Recurring Fee				150.00			monthly
6	FL	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS			7,000.00	7,000.00	announcement
6	FL	BRANDING - OPERATOR CALL PROCESSING	Loading of Custom Branded OA Announcement per shelf/NAV per OCN	AMT	CBAOL			500.00	500.00	per shelf/NAV per OCN
6	FL	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using BST LIDB				1.20			minute
6	FL	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using Foreign LIDB				1.24			minute
6	FL	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using BST LIDB				0.20			Per Call
6	FL	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using Foreign LIDB				0.20			Per Call
6	FL	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	FL	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	FL	BRANDING - DIRECTORY ASSISTANCE	Unbranding via OLNS - Loading of DA per OCN (1 OCN per Order)					420.00	420.00	OCN
6	FL	BRANDING - DIRECTORY ASSISTANCE	Unbranding via OLNS - Loading of DA per Switch per OCN					16.00	16.00	per Switch per OCN
6	FL	BRANDING - OPERATOR CALL PROCESSING	Unbranding via OLNS - Loading of OA per OCN (Regional)					1,200.00	1,200.00	OCN
6	FL	BRANDING - OPERATOR CALL PROCESSING	Loading of OA Custom Branded Announcement per Switch per OCN					1,170.00	1,170.00	per Switch per OCN
6	FL	DIRECTORY LISTING PRODUCT	White Page Directory Listings				0.00	0.00	0.00	initial listing is no charge
6	FL	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	FL	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				21.83% (Res) 16.81% (Bus)	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
6	FL	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				21.83% (Res) 16.81% (Bus)	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
2MR-AT	GA	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU				0.00bk			MOU
2MR-AT	GA	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU				0.00bk			MILE/MOU
2MR-AT	GA	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU				0.00bk			MOU
6	GA	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement	AMT	CBADA			3,000.00	3,000.00	announcement
6	GA	BRANDING - DIRECTORY ASSISTANCE	Loading of Custom Branded Announcement per Switch per OCN	AMT	CBADC			1,170.00	1,170.00	per Switch per OCN
6	GA	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Access Service Calls, Charge Per Call				0.31			Per Call
6	GA	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion Access Service (DACC), Per Call				0.10			Per Call
6	GA	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	GA	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Subsequent Load per state OCN						1,500.00	per state per OCN
6	GA	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Initial Load, per listing					0.04		listing
6	GA	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Update, per listing				0.04			listing
6	GA	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Monthly Recurring Fee				150.00			monthly
6	GA	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS			7,000.00	7,000.00	announcement
6	GA	BRANDING - OPERATOR CALL PROCESSING	Loading of Custom Branded OA Announcement per shelf/NAV per OCN	AMT	CBAOL			500.00	500.00	per shelf/NAV per OCN
6	GA	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using BST LIDB				1.20			Minute
6	GA	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using Foreign LIDB				1.24			Minute
6	GA	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using BST LIDB				0.20			Per Call
6	GA	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using Foreign LIDB				0.20			Per Call
6	GA	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	GA	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	GA	DIRECTORY LISTING PRODUCT	White Page Directory Listings				0.00	0.00	0.00	initial listing is no charge
6	GA	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	GA	BRANDING - OPERATOR CALL PROCESSING	Loading of OA Custom Branded Announcement per Switch per OCN				N/A	1,170.00	1,170.00	per switch per OCN
6	GA	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				20.30% (Res) 17.30% (Bus)	N/A	N/A	Flat Rate Discount for Resale
6	GA	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				20.30% (Res) 17.30% (Bus)	N/A	N/A	Flat Rate Discount for Resale
6	GA	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per OCN (1 OCN per Order)				N/A	420.00	420.00	OCN

PRICING SHEETS
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Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
6	GA	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per Switch per OCN				N/A	16.00	16.00	per switch per OCN
6	GA	BRANDING - OPERATOR CALL PROCESSING	Unbranding - Loading of OA per OCN (Regional)				N/A	1,200.00	1,200.00	OCN

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
2MR-AT	IL	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU	OHU	USG15		\$0.00			MOU
6	IL	DIRECTORY ASSISTANCE SERVICES	Directory Assistance, per call	XPU	OPEN		\$0.40	NA		per call
6	IL	DIRECTORY ASSISTANCE SERVICES	Directory Assistance National Directory Assistance (NDA), per call	XPU	OPEN		\$0.65	NA		per call
6	IL	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Reverse Directory Assistance (RDA), per call	XPU	OPEN		\$0.65	NA		per call
6	IL	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Business Category Search (BCS) / where applicable, per call	XPU	OPEN		\$0.65	NA		per call
6	IL	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC), per call	XPU	OPEN		\$0.15	NA		per call
6	IL	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding - Other - Initial/Subsequent Load, per switch per OCN				NA	\$1,800.00	\$1,800.00	per switch, per OCN
6	IL	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding and Reference/Rate Look Up, per OS/DA call	XPU	OPEN		\$0.03	NA		per OS/DA call
6	IL	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding - Initial/Subsequent Load - per trunk group				NA	\$800.00	\$800.00	per trunk group
6	IL	OPERATOR SERVICES/DIRECTORY ASSISTANCE RATE/REFERENCES	Rate Reference - Initial Load, per state, per OCN				NA	\$5,000.00		per state, per OCN
6	IL	OPERATOR SERVICES/DIRECTORY ASSISTANCE RATE/REFERENCES	Rate Reference - Subsequent Load, per state, per OCN				NA		\$1,500.00	per state, per OCN
6	IL	OPERATOR CALL PROCESSING	Operator Services Fully Automated Call Processing, per call	XPU	OPEN		\$0.15	NA	NA	per call
6	IL	OPERATOR CALL PROCESSING	Operator Assisted Call Processing -- All Types, per work second	XPU	OPEN		\$0.03	NA	NA	per work second
6	IL	DIRECTORY LISTING PRODUCT	DA Listing - per listing for initial load				NA	\$0.04	NA	per listing
6	IL	DIRECTORY LISTING PRODUCT	DA Listing - per listing for subsequent updates				\$0.06	NA	NA	per listing
6	IL	RESALE APPLICABLE DISCOUNTS	Resale Local Directory Assistance				See IL. C.C No. 22 Tariff (Part 22)	NA		discount
6	IL	RESALE APPLICABLE DISCOUNTS	Resale Local Operator Assistance Services				See IL. C.C No. 22 Tariff (Part 22)	NA		discount
6	IL	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	initial listing is no charge
6	IL	DIRECTORY LISTING PRODUCT	Non Published/Non List Directory Listings							See Tariffs and / or Service Guidebook
6	IL	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services					N/A	N/A	Flat Rate Discount for Resale
6	IL	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service					N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
2MR-AT	IN	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU	OHU	USG15		\$0.00			MOU
6	IN	DIRECTORY ASSISTANCE SERVICES	Directory Assistance, per call	XPU	OPEN		\$ 0.40	NA	NA	per call
6	IN	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA), per call	XPU	OPEN		\$ 0.65	NA	NA	per call
6	IN	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA), per call	XPU	OPEN		\$ 0.65	NA	NA	per call
6	IN	DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS) / where applicable, per call	XPU	OPEN		\$ 0.65	NA	NA	per call
6	IN	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC), per call	XPU	OPEN		\$ 0.15	NA	NA	per call
6	IN	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding - Other - Initial/Subsequent Load, per switch, per OCN					\$ 1,800.00	\$ 1,800.00	per switch, per OCN
6	IN	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding and Reference/Rate Look Up, per OS/DA call	XPU	OPEN		\$ 0.03	NA	NA	per OS/DA call
6	IN	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding per Trunk Group				NA	\$800.00		
6	IN	OPERATOR SERVICES/DIRECTORY ASSISTANCE RATE/REFERENCES	Rate Reference - Initial Load, per state, per OCN				NA	\$ 5,000.00	NA	per state, per OCN
6	IN	OPERATOR SERVICES/DIRECTORY ASSISTANCE RATE/REFERENCES	Rate Reference - Subsequent Load, per state, per OCN				NA	NA	\$ 1,500.00	per state, per OCN
6	IN	OPERATOR CALL PROCESSING	Fully Automated Call Processing, per call	XPU	OPEN		\$ 0.15	NA	NA	per call
6	IN	OPERATOR CALL PROCESSING	Operator Assisted Call Processing -- All Types, per work second	XPU	OPEN		\$ 0.03	NA	NA	per work second
6	IN	DIRECTORY LISTING PRODUCT	DA Listing - per listing for initial load				NA	\$ 0.040	NA	per listing
6	IN	DIRECTORY LISTING PRODUCT	DA Listing - per listing for subsequent updates				\$ 0.060		NA	per listing
6	IN	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	initial listing is no charge
6	IN	DIRECTORY LISTING PRODUCT	Non Published/Non List Directory Listings							See Tariffs and / or Service Guidebook
6	IN	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				21.64%	N/A	N/A	Flat Rate Discount for Resale
6	IN	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				21.64%	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
2MR-AT	KS	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION	Rate for All ISP-Bound and section 251(b)(5) Traffic as per FCC 01-131, per MOU		ZZUR2		\$0.00	NA	NA	MOU
2MR-AT	KS	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION	Optional EAS Transport and Termination per MOU		ZZUR2		\$0.00	NA	NA	MOU
6	KS	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call		ZZUO3		\$ 0.40	NA	NA	per call
6	KS	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call - Credit		ZZUO4		\$ 0.40	NA	NA	per call
6	KS	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC) - per call		ZZUO7		\$ 0.15	NA	NA	per call
6	KS	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA)		ZZUO5		\$ 0.65	NA	NA	per call
6	KS	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA) - Credit		ZZUO6		\$ 0.65	NA	NA	per call
6	KS	DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS)		ZZUOB		\$ 0.65	NA	NA	per call
6	KS	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA)		ZZUO8		\$ 0.65	NA	NA	per call
6	KS	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA) - Credit		ZZUO9		\$ 0.65	NA	NA	per call
6	KS	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	initial listing is no charge
6	KS	DIRECTORY LISTING PRODUCT	Non Published/Non List Directory Listings					NA	NA	See Tariffs and / or Service Guidebook
6	KS	DIRECTORY ASSISTANCE - BRANDING	Directory Assistance - Branding - Initial/Subsequent Load per switch, per OCN		NRBDG		NA	\$ 1,800.00	\$ 1,800.00	per switch, per OCN
6	KS	DIRECTORY ASSISTANCE - BRANDING	Directory Assistance - Branding Per call		ZZUCB		\$ 0.030	NA	NA	per call
6	KS	DIRECTORY ASSISTANCE - RATE REFERENCE	Directory Assistance - Rate Reference Initial Load per state, per OCN		NRBDL		NA	\$ 5,000.00	NA	per state, per OCN
6	KS	DIRECTORY ASSISTANCE - RATE REFERENCE	Directory Assistance - Rate Reference - Subsequent Load per state, per OCN		NRBDM		NA	\$ 1,500.00	NA	per state, per OCN
6	KS	OPERATOR CALL PROCESSING	Operated Services - Fully Automated Call Processing (Per completed automated call)		ZZUO1		\$ 0.15	NA	NA	Per completed automated call
6	KS	OPERATOR CALL PROCESSING	Operator Assisted Call Processing -- All Types per work second		ZZUO2		\$ 0.03	NA	NA	per work second
6	KS	OPERATOR SERVICES - BRANDING	Operator Services - Branding - Initial/Subsequent Load per switch, per OCN		NRBDG		NA	\$ 1,800.00	\$ 1,800.00	per switch, per OCN
6	KS	OPERATOR SERVICES - BRANDING	Operator Services - Branding Per call		ZZUCB		\$ 0.030	NA	NA	per call
6	KS	OPERATOR SERVICES - RATE REFERENCE	Operator Services - Rate Reference Initial Load per state, per OCN		NRBDL		NA	\$ 5,000.00	NA	per state, per OCN
6	KS	OPERATOR SERVICES - RATE REFERENCE	Operator Services - Rate Reference - Subsequent Load per state, per OCN		NRBDM		NA	\$ 1,500.00	NA	per state, per OCN
6	KS	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				21.60%	NA	NA	Flat Rate Discount for Resale
6	KS	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				21.60%	NA	NA	Flat Rate Discount for Resale

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
2MR-AT	KY	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU				0.00bk			MOU
2MR-AT	KY	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU				0.00bk			MILE/MOU
2MR-AT	KY	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU				0.00bk			MOU
6	KY	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement	AMT	CBADA			3,000.00	3,000.00	announcement
6	KY	BRANDING - DIRECTORY ASSISTANCE	Loading of Custom Branded Announcement per Switch per OCN	AMT	CBADC			1,170.00	1,170.00	per Switch per OCN
6	KY	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Access Service Calls, Charge Per Call				0.31			Per Call
6	KY	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion Access Service (DACC), Per Call				0.10			Per Call
6	KY	BRANDING - DIRECTORY ASSISTANCE SERVICES	Directory Assistance - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	KY	BRANDING - DIRECTORY ASSISTANCE SERVICES	Directory Assistance - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	KY	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Initial Load, per listing					0.04		listing
6	KY	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Monthly Recurring Fee				150.00			monthly
6	KY	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS			7,000.00	7,000.00	announcement
6	KY	BRANDING - OPERATOR CALL PROCESSING	Loading of Custom Branded OA Announcement per shelf/NAV per OCN	AMT	CBAOL			500.00	500.00	per shelf/NAV per OCN
6	KY	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using BST LIDB				1.20			minute
6	KY	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using Foreign LIDB				1.24			minute
6	KY	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using BST LIDB				0.20			Per Call
6	KY	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using Foreign LIDB				0.20			Per Call
6	KY	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	KY	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	KY	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Update, per listing				0.04	N/A	N/A	listing
6	KY	DIRECTORY LISTING PRODUCT	White Page Directory Listings				0.00	0.00	0.00	initial listing is no charge
6	KY	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	KY	BRANDING - OPERATOR CALL PROCESSING	Loading of OA Custom Branded Announcement per Switch per OCN				N/A	1,170.00	1,170.00	per switch per OCN
6	KY	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				16.79% (Res) 15.54% (Bus)	N/A	N/A	Flat Rate Discount for Resale
6	KY	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				16.79% (Res) 15.54% (Bus)	N/A	N/A	Flat Rate Discount for Resale
6	KY	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per OCN (1 OCN per Order)				N/A	420.00	420.00	OCN

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
6	KY	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per Switch per OCN				N/A	16.00	16.00	per switch per OCN
6	KY	BRANDING - OPERATOR CALL PROCESSING	Unbranding - Loading of OA per OCN (Regional)				N/A	1,200.00	1,200.00	OCN

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
2MR-AT	LA	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU				0.00bk			MOU
2MR-AT	LA	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU				0.00bk			MILE/MOU
2MR-AT	LA	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU				0.00bk			MOU
6	LA	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement	AMT	CBADA			3,000.00	3,000.00	announcement
6	LA	BRANDING - DIRECTORY ASSISTANCE	Loading of Custom Branded Announcement per Switch per OCN	AMT	CBADC			1,170.00	1,170.00	per Switch per OCN
6	LA	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Access Service Calls, Charge Per Call				0.31			Per Call
6	LA	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion Access Service (DACC), Per Call				0.10			Per Call
6	LA	BRANDING - DIRECTORY ASSISTANCE SERVICES	Directory Assistance - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	LA	BRANDING - DIRECTORY ASSISTANCE SERVICES	Directory Assistance - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	LA	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Initial Load, per listing					0.04		listing
6	LA	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Update, per listing				0.04			listing
6	LA	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Monthly Recurring Fee				150.00			monthly
6	LA	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS			7,000.00	7,000.00	announcement
6	LA	BRANDING - OPERATOR CALL PROCESSING	Loading of Custom Branded OA Announcement per shelf/NAV per OCN	AMT	CBAOL			500.00	500.00	per shelf/NAV per OCN
6	LA	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	LA	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	LA	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using BST LIDB				1.20			Minute
6	LA	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using Foreign LIDB				1.24			Minute
6	LA	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using BST LIDB				0.20			Per Call
6	LA	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using Foreign LIDB				0.20			Per Call
6	LA	DIRECTORY LISTING PRODUCT	White Page Directory Listings				0.00	0.00	0.00	initial listing is no charge
6	LA	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	LA	BRANDING - OPERATOR CALL PROCESSING	Loading of OA Custom Branded Announcement per Switch per OCN				N/A	1,170.00	1,170.00	per switch per OCN
6	LA	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				20.72%	N/A	N/A	Flat Rate Discount for Resale
6	LA	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				20.72%	N/A	N/A	Flat Rate Discount for Resale
6	LA	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per OCN (1 OCN per Order)				N/A	420.00	420.00	OCN
6	LA	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per Switch per OCN				N/A	16.00	16.00	per switch per OCN
6	LA	BRANDING - OPERATOR CALL PROCESSING	Unbranding - Loading of OA per OCN (Regional)				N/A	1,200.00	1,200.00	OCN

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
2MR-AT	MI	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU	OHU	USG14		\$0.00			MOU
6	MI	DIRECTORY ASSISTANCE SERVICES	Directory Assistance, per call	XPU	OPEN		\$ 0.40	NA	NA	per call
6	MI	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA), per call	XPU	OPEN		\$ 0.65	NA		per call
6	MI	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (RDA), per call	XPU	OPEN		\$ 0.65	NA		per call
6	MI	DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS) where applicable, per call	XPU	OPEN		\$ 0.65	NA		per call
6	MI	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC), per call	XPU	OPEN		\$ 0.15	NA		per call
6	MI	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding - Other - Initial/Subsequent Load, per switch, per OCN					\$ 1,800.00	\$ 1,800.00	per switch, per OCN
6	MI	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding and Reference/Rate Look Up, per call	XPU	OPEN		\$ 0.03		NA	per OS/DA call
6	MI	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding - Initial / Subsequent Load - per trunk group					\$800.00	\$800.00	per trunk group
6	MI	OPERATOR SERVICES/DIRECTORY ASSISTANCE RATE/REFERENCES	Directory Assistance Rate Reference - Initial Load, per state, per OCN					\$ 5,000.00		per state, per OCN
6	MI	OPERATOR SERVICES/DIRECTORY ASSISTANCE RATE/REFERENCES	Directory Assistance Rate Reference - Subsequent Load, per state, per OCN					NA	\$ 1,500.00	per state, per OCN
6	MI	OPERATOR CALL PROCESSING	Operator Services Fully Automated Call Processing, per call	XPU	OPEN		\$ 0.15	NA	NA	per call
6	MI	OPERATOR CALL PROCESSING	Operator Assisted Call Processing -- All Types, per work second	XPU	OPEN		\$ 0.03	NA	NA	per work second
6	MI	DIRECTORY LISTING PRODUCT	DA Listings - per listing for initial load					\$ 0.040	NA	per listing
6	MI	DIRECTORY LISTING PRODUCT	DA Listings - per listing for subsequent updates				\$ 0.060	NA	NA	per listing
6	MI	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	initial listing is no charge
6	MI	DIRECTORY LISTING PRODUCT	Non Published/Non List Directory Listings							See Tariffs and / or Service Guidebook
6	MI	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				16.62%	N/A	N/A	Flat Rate Discount for Resale
6	MI	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				16.62%	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
2MR-AT	MO	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Optional EAS Transport & Termination per MOU		ZZUR2		NA	NA	NA	MOU
2MR-AT	MO	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for All ISP-Bound and section 251(b)(5) Traffic as per FCC 01-131, per MOU		ZZUR2		\$0.00	NA	NA	MOU
6	MO	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call		ZZUO3		\$0.40	NA	NA	per call
6	MO	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call - credit		ZZUO4		\$0.40	NA	NA	per call
6	MO	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC) - per call		ZZUO7		\$0.15	NA	NA	per call
6	MO	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA), per call		ZZUO5		\$0.65	NA	NA	per call
6	MO	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA), per call - credit		ZZUO6		\$0.65	NA	NA	per call
6	MO	DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS), per call		ZZUOB		\$0.65	NA	NA	per call
6	MO	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA), per call		ZZUO8		\$0.65	NA	NA	per call
6	MO	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA), per call - credit		ZZUO9		\$0.65	NA	NA	per call
6	MO	DIRECTORY ASSISTANCE - BRANDING	Directory Assistance - Branding - Initial/Subsequent Load, per switch, per OCN		NRBDG		NA	\$1,800.00	\$1,800.00	per switch, per OCN
6	MO	DIRECTORY ASSISTANCE - BRANDING	Directory Assistance - Branding Per call		ZZUCB		\$0.03	NA	NA	per call
6	MO	DIRECTORY ASSISTANCE - RATE REFERENCE	Directory Assistance - Rate Reference Initial Load, per state, per OCN		NRBDL		NA	\$5,000.00	NA	per state, per OCN
6	MO	DIRECTORY ASSISTANCE - RATE REFERENCE	Directory Assistance - Rate Reference Subsequent Load per state, per OCN		NRBDM		NA	\$1,500.00	NA	per state, per OCN
6	MO	OPERATOR CALL PROCESSING	Operated Services - Fully Automated Call Processing (Per completed automated call)		ZZUO1		\$0.15	NA	NA	per completed automated call
6	MO	OPERATOR CALL PROCESSING	Operator Assisted Call Processing -- All Types per work second		ZZUO2		\$0.03	NA	NA	per work second
6	MO	OPERATOR SERVICES - BRANDING	Operator Services - Branding Initial/Subsequent Load, per switch, per OCN		NRBDG		NA	\$1,800.00	\$1,800.00	per switch, per OCN
6	MO	OPERATOR SERVICES - BRANDING	Operator Services - Branding Per call		ZZUCB		\$0.03	NA	NA	per call
6	MO	OPERATOR SERVICES - RATE REFERENCE	Operator Services - Rate Reference - Initial Load, per state, per OCN		NRBDL		NA	\$5,000.00	NA	Per state, per OCN
6	MO	OPERATOR SERVICES - RATE REFERENCE	Operator Services - Rate Reference - Subsequent Load, per state, per OCN		NRBDM		NA	\$1,500.00	NA	Per state, per OCN
6	MO	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				19.20%	NA	NA	Flat Rate Discount for Resale
6	MO	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				19.20%	NA	NA	Flat Rate Discount for Resale initial listing is no charge
6	MO	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	See Tariffs and / or Service Guidebook
6	MO	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
2MR-AT	MS	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU				0.00bk			MOU
2MR-AT	MS	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU				0.00bk			MILE/MOU
2MR-AT	MS	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU				0.00bk			MOU
6	MS	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement	AMT	CBADA			3,000.00	3,000.00	announcement
6	MS	BRANDING - DIRECTORY ASSISTANCE	Loading of Custom Branded Announcement per Switch per OCN	AMT	CBADC			1,170.00	1,170.00	per Switch per OCN
6	MS	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Access Service Calls, Charge Per Call				0.31			Per Call
6	MS	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion Access Service (DACC), Per Call				0.10			Per Call
6	MS	BRANDING - DIRECTORY ASSISTANCE SERVICES	Directory Assistance - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	MS	BRANDING - DIRECTORY ASSISTANCE SERVICES	Directory Assistance - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	MS	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Initial Load, per listing					0.04		listing
6	MS	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Update, per listing				0.04			listing
6	MS	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Monthly Recurring Fee				150.00			monthly
6	MS	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS			7,000.00	7,000.00	announcement
6	MS	BRANDING - OPERATOR CALL PROCESSING	Loading of Custom Branded OA Announcement per shelf/NAV per OCN	AMT	CBAOL			500.00	500.00	per shelf/NAV per OCN
6	MS	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using BST LIDB				1.20			minute
6	MS	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using Foreign LIDB				1.24			minute
6	MS	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using BST LIDB				0.20			Per Call
6	MS	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using Foreign LIDB				0.20			Per Call
6	MS	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	MS	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	MS	DIRECTORY LISTING PRODUCT	White Page Directory Listings				0.00	0.00	0.00	initial listing is no charge
6	MS	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	MS	BRANDING - OPERATOR CALL PROCESSING	Loading of OA Custom Branded Announcement per Switch per OCN				N/A	1,170.00	1,170.00	per switch per OCN
6	MS	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				15.75%	N/A	N/A	Flat Rate Discount for Resale
6	MS	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				15.75%	N/A	N/A	Flat Rate Discount for Resale
6	MS	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per OCN (1 OCN per Order)				N/A	420.00	420.00	OCN
6	MS	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per Switch per OCN				N/A	16.00	16.00	per switch per OCN
6	MS	BRANDING - OPERATOR CALL PROCESSING	Unbranding - Loading of OA per OCN (Regional)				N/A	1,200.00	1,200.00	OCN

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
2MR-AT	NC	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU				0.00bk			MOU
2MR-AT	NC	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU				0.00bk			MILE/MOU
2MR-AT	NC	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU				0.00bk			MOU
6	NC	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement	AMT	CBADA			3,000.00	3,000.00	announcement
6	NC	BRANDING - DIRECTORY ASSISTANCE	Loading of Custom Branded Announcement per Switch per OCN	AMT	CBADC			1,170.00	1,170.00	per Switch per OCN
6	NC	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Access Service Calls, Charge Per Call				0.31			Per Call
6	NC	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion Access Service (DACC), Per Call				0.10			Per Call
6	NC	BRANDING - DIRECTORY ASSISTANCE SERVICES	Directory Assistance - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	NC	BRANDING - DIRECTORY ASSISTANCE SERVICES	Directory Assistance - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	NC	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Initial Load, per listing					0.04		listing
6	NC	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Update, per listing				0.04			listing
6	NC	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Monthly Recurring Fee				150.00			monthly
6	NC	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS			7,000.00	7,000.00	announcement
6	NC	BRANDING - OPERATOR CALL PROCESSING	Loading of Custom Branded OA Announcement per shelf/NAV per OCN	AMT	CBAOL			500.00	500.00	per shelf/NAV per OCN
6	NC	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using BST LIDB				1.20			minute
6	NC	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using Foreign LIDB				1.24			minute
6	NC	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using BST LIDB				0.20			Per Call
6	NC	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using Foreign LIDB				0.20			Per Call
6	NC	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	NC	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	NC	DIRECTORY LISTING PRODUCT	White Page Directory Listings				0.00	0.00	0.00	initial listing is no charge
6	NC	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	NC	BRANDING - OPERATOR CALL PROCESSING	Loading of OA Custom Branded Announcement per Switch per OCN				N/A	1,170.00	1,170.00	per switch per OCN
6	NC	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				21.50% (Res) 17.60% (Bus)	N/A	N/A	Flat Rate Discount for Resale
6	NC	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				21.50% (Res) 17.60% (Bus)	N/A	N/A	Flat Rate Discount for Resale
6	NC	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per OCN (1 OCN per Order)				N/A	420.00	420.00	OCN

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
6	NC	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per Switch per OCN				N/A	16.00	16.00	per switch per OCN
6	NC	BRANDING - OPERATOR CALL PROCESSING	Unbranding - Loading of OA per OCN (Regional)				N/A	1,200.00	1,200.00	OCN

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
2MR-AT	NV	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for All Traffic ISP-Bound and 251(b)(5) Traffic as per FCC 01-131		GOC00		\$0.00			MOU
6	NV	DIRECTORY ASSISTANCE	Directory Assistance, per call				\$0.40	NA		per call
6	NV	DIRECTORY ASSISTANCE	National Directory Assistance (NDA), per call				\$0.65	NA		per call
6	NV	DIRECTORY ASSISTANCE	Reverse Directory Assistance (RDA), per call				\$0.65	NA		per call
6	NV	DIRECTORY ASSISTANCE	Business Category Search (BCS), per call				\$0.65	NA		per call
6	NV	DIRECTORY ASSISTANCE	Express Call Completion / Directory Assistance Call Completion, per call				0.15	NA		per call
6	NV	DIRECTORY ASSISTANCE LISTINGS	Directory Assistance Listing Services - Lata-Wide Call Completion - Rate per MOU for each completed ECCS call				\$ 0.0120	NA		per call
6	NV	BRANDING - DIRECTORY ASSISTANCE	Branding - Other - Initial/Subsequent Load, per switch, per OCN	OPS++	BRAND		NA	\$ 1,800.00	\$ 1,800.00	switch, per OCN
6	NV	BRANDING - DIRECTORY ASSISTANCE	Brand and Reference/Rate Look Up, per DA call				\$0.03	NA		per call
6	NV	BRANDING - DIRECTORY ASSISTANCE	Rate Reference - Initial Load, per state, per OCN				NA	\$ 5,000.00		state, per OCN
6	NV	BRANDING - DIRECTORY ASSISTANCE	Rate Reference - Subsequent Load, per state, per OCN				NA	\$ 1,500.00		state, per OCN
6	NV	BRANDING - OPERATOR CALL PROCESSING	Branding - Other - Initial/Subsequent Load, per switch, per OCN	OPS++	BRAND		NA	\$ 1,800.00	\$ 1,800.00	switch, per OCN
6	NV	BRANDING - OPERATOR CALL PROCESSING	Rate Reference - Initial Load, per state, per OCN				NA	\$ 5,000.00		state, per OCN
6	NV	BRANDING - OPERATOR CALL PROCESSING	Rate Reference - Subsequent Load, per state, per OCN				NA	\$ 1,500.00		state, per OCN
6	NV	OPERATOR CALL PROCESSING	Fully Automated Call Processing, per call				0.15	NA		call
6	NV	OPERATOR CALL PROCESSING	Operator Assisted Call processing - All Types, per work second				\$0.03	NA		work second
6	NV	BRANDING - DIRECTORY ASSISTANCE	Brand and Reference/Rate Look Up, per OA call				\$0.03	NA		per call
6	NV	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	initial listing is no charge
6	NV	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	NV	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				18.05%	N/A	N/A	Flat Rate Discount for Resale
6	NV	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				18.05%	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
2MR-AT	OH	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU	OHU	USG15		\$0.00			MOU
6	OH	DIRECTORY ASSISTANCE SERVICES	Directory Assistance, per call	XPU	OPEN		\$ 0.40	NA		per call
6	OH	DIRECTORY ASSISTANCE SERVICES	Directory Assistance National Directory Assistance (NDA), per call	XPU	OPEN		\$ 0.65	NA		per call
6	OH	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Reverse Directory Assistance (RDA), per call	XPU	OPEN		\$ 0.65	NA		per call
6	OH	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Business Category Search (BCS) where applicable, per call	XPU	OPEN		\$ 0.65	NA		per call
6	OH	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC), per call	XPU	OPEN		\$ 0.15	NA		per call
6	OH	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding - Other - Initial/Subsequent Load, per switch per OCN				NA	\$ 1,800.00	\$ 1,800.00	per switch, per OCN
6	OH	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding and Reference/Rate Look Up, per OS/DA call	XPU	OPEN		\$ 0.03	NA		per OS/DA call
6	OH	OPERATOR SERVICES/DIRECTORY ASSISTANCE RATE/REFERENCES	Rate Reference - Initial Load, per state, per OCN				NA	\$ 5,000.00		per state, per OCN
6	OH	OPERATOR SERVICES/DIRECTORY ASSISTANCE RATE/REFERENCES	Rate Reference - Subsequent Load, per state, per OCN				NA	NA	\$ 1,500.00	per state, per OCN
6	OH	OPERATOR CALL PROCESSING	Operator Services Fully Automated Call Processing, per call	XPU	OPEN		\$ 0.15	NA		per call
6	OH	OPERATOR CALL PROCESSING	Operator Assisted Call Processing - All Types, per work second	XPU	OPEN		\$ 0.03	NA		per work second
6	OH	DIRECTORY LISTING PRODUCT	DA Listings - per listing for initial load				NA	\$ 0.040		per listing
6	OH	DIRECTORY LISTING PRODUCT	DA Listings - per listing for subsequent updates				\$ 0.060			per listing
6	OH	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding - Initial / Subsequent Load - per trunk group					\$800.00	\$800.00	per trunk group
6	OH	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	initial listing is no charge
6	OH	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	OH	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				20.29%	N/A	N/A	Flat Rate Discount for Resale
6	OH	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				20.29%	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
2MR-AT	OK	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for All ISP-Bound and section 251(b)(5) Traffic as per FCC 01-131, per MOU		ZZUR2		\$0.00	NA	NA	MOU
2MR-AT	OK	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Optional EAS Transport and Termination per MOU				NA	NA	NA	MOU
6	OK	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call		ZZUO3		\$0.40	NA	NA	per call
6	OK	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call - credit		ZZUO4		\$0.40	NA	NA	per call
6	OK	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC) - per call		ZZUO7		\$0.15	NA	NA	per call
6	OK	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA)- per call		ZZUO5		\$0.65	NA	NA	per call
6	OK	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA)- per call - credit		ZZUO6		\$0.65	NA	NA	per call
6	OK	DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS) per call		ZZUOB		\$0.65	NA	NA	per call
6	OK	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance, per call		ZZUO8		\$0.65	NA	NA	per call
6	OK	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance, per call - credit		ZZUO9		\$0.65	NA	NA	per call
6	OK	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Branding - Initial/Subsequent Load, per switch, per OCN		NRBDG		NA	\$1,800.00	\$1,800.00	per switch, per OCN
6	OK	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Branding Per call		ZZUCB		\$0.03	NA	NA	per call
6	OK	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Based Rate Reference - Initial Load, per state, per OCN		NRBDL		NA	\$5,000.00	NA	per state per OCN
6	OK	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance Rate Reference - Subsequent Load, per state, per OCN		NRBDM		NA	\$1,500.00	NA	per state per OCN
6	OK	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	initial listing is no charge
6	OK	DIRECTORY LISTING PRODUCT	Non Published/Non List Directory Listings					NA	NA	See Tariffs and / or Service Guidebook
6	OK	OPERATOR CALL PROCESSING	Operated Services - Fully Automated Call Processing (Per completed automated call)		ZZUO1		\$0.15	NA	NA	completed automated call
6	OK	OPERATOR CALL PROCESSING	Operator Assisted Call Processing -- All Types per work second		ZZUO2		\$0.03	NA	NA	per work second
6	OK	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Branding - Initial/Subsequent Load per switch, per OCN		NRBDG		NA	\$1,800.00	\$1,800.00	per switch, per OCN
6	OK	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Branding Per call		ZZUCB		\$0.030	NA	NA	per call
6	OK	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Based Rate Reference - Initial Load, per state per OCN		NRBDL		NA	\$5,000.00	NA	per state per OCN
6	OK	BRANDING - OPERATOR CALL PROCESSING	Operator Services Rate Reference - Subsequent Load, per state, per OCN		NRBDM		NA	\$1,500.00	NA	per state per OCN
6	OK	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				19.80%	N/A	N/A	Flat Rate Discount for Resale
6	OK	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				19.80%	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
2MR-AT	SC	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU				0.00bk			MOU
2MR-AT	SC	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU				0.00bk			MILE/MOU
2MR-AT	SC	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU				0.00bk			MOU
6	SC	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement	AMT	CBADA			3,000.00	3,000.00	announcement
6	SC	BRANDING - DIRECTORY ASSISTANCE	Loading of Custom Branded Announcement per Switch per OCN	AMT	CBADC			1,170.00	1,170.00	per Switch per OCN
6	SC	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Access Service Calls, Charge Per Call				0.31			per call
6	SC	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion Access Service (DACC), Per Call				0.10			per call
6	SC	BRANDING - DIRECTORY ASSISTANCE SERVICES	Directory Assistance - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	SC	BRANDING - DIRECTORY ASSISTANCE SERVICES	Directory Assistance - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	SC	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Initial Load, per listing					0.04		listing
6	SC	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Update, per listing				0.04			listing
6	SC	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Monthly Recurring Fee				150.00			monthly
6	SC	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS			7,000.00	7,000.00	announcement
6	SC	BRANDING - OPERATOR CALL PROCESSING	Loading of Custom Branded OA Announcement per shelf/NAV per OCN	AMT	CBAOL			500.00	500.00	per shelf/NAV per OCN
6	SC	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using BST LIDB				1.20			minute
6	SC	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using Foreign LIDB				1.24			minute
6	SC	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using BST LIDB				0.20			per call
6	SC	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using Foreign LIDB				0.20			per call
6	SC	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	SC	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	SC	BRANDING - DIRECTORY ASSISTANCE	Unbranding via OLS for Wholesale CLEC - Loading of DA per OCN (1 OCN per Order)					420.00	420.00	OCN
6	SC	BRANDING - DIRECTORY ASSISTANCE	Unbranding via OLS for Wholesale CLEC - Loading of DA per Switch per OCN					16.00	16.00	per Switch per OCN
6	SC	BRANDING - OPERATOR CALL PROCESSING	Wholesale CLEC - Unbranding via OLS - Loading of OA per OCN (Regional)					1,200.00	1,200.00	OCN
6	SC	BRANDING - OPERATOR CALL PROCESSING	Wholesale CLEC - Loading of OA Custom Branded Announcement per Switch per OCN					1,170.00	1,170.00	per Switch per OCN

PRICING SHEETS
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Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
6	SC	DIRECTORY LISTING PRODUCT	White Page Directory Listings				0.00	0.00	0.00	initial listing is no charge
6	SC	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	SC	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				14.80%	N/A	N/A	Flat Rate Discount for Resale
6	SC	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				14.80%	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
2MR-AT	TN	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU				0.00bk			MOU
2MR-AT	TN	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Per Mile, Per MOU				0.00bk			Per Mile, Per MOU
2MR-AT	TN	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Common Transport - Facilities Termination Per MOU				0.00bk			Per Mile, Per MOU
6	TN	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement	AMT	CBADA			3,000.00	3,000.00	announcement
6	TN	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement [DISCONNECT] (USOC=CBADA)	AMT	SOMAN			13.32	1.40	announcement
6	TN	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement (USOC=CBADA)	AMT	SOMAN			20.35	10.54	announcement
6	TN	BRANDING - DIRECTORY ASSISTANCE	Recording and Provisioning of DA Custom Branded Announcement [DISCONNECT]	AMT	CBADA			7.03	7.03	announcement
6	TN	BRANDING - DIRECTORY ASSISTANCE	Loading of Custom Branded Announcement per Switch per OCN	AMT	CBADC			1,170.00	1,170.00	per Switch per OCN
6	TN	BRANDING - DIRECTORY ASSISTANCE	Loading of Custom Branded Announcement per Switch per OCN (USOC=CBADC)	AMT	SOMAN			20.35	10.54	per Switch per OCN
6	TN	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Access Service Calls, Charge Per Call				0.31			per call
6	TN	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion Access Service (DACC), Per Call				0.10			per call
6	TN	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	TN	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN
6	TN	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Initial Load, per listing					0.04		listing
6	TN	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Update, per listing					0.04		listing
6	TN	DIRECTORY ASSISTANCE DATABASE SERVICE (DADS)	Directory Assistance Database Service (DADS)-Monthly Recurring Fee				150.00			monthly
6	TN	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement	AMT	CBAOS			7,000.00	7,000.00	announcement
6	TN	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement [DISCONNECT] (USOC=CBAOS)	AMT	SOMAN			19.99	19.99	announcement
6	TN	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement (USOC=CBAOS)	AMT	SOMAN			19.99	19.99	announcement
6	TN	BRANDING - OPERATOR CALL PROCESSING	Recording of Custom Branded OA Announcement [DISCONNECT]	AMT	CBAOS			7.03	7.03	announcement
6	TN	BRANDING - OPERATOR CALL PROCESSING	Loading of Custom Branded OA Announcement per state per OCN	AMT	CBAOL			500.00	500.00	per state per OCN
6	TN	BRANDING - OPERATOR CALL PROCESSING	Loading of Custom Branded OA Announcement per state per OCN (USOC=CBAOL)	AMT	SOMAN			19.99	19.99	per state per OCN
6	TN	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using BST LIDB				1.20			minute
6	TN	OPERATOR CALL PROCESSING	Oper. Call Processing - Oper. Provided, Per Min. - Using Foreign LIDB				1.24			minute
6	TN	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using BST LIDB				0.20			per call
6	TN	OPERATOR CALL PROCESSING	Oper. Call Processing - Fully Automated, per Call - Using Foreign LIDB				0.20			per call
6	TN	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Initial Load per state per OCN					5,000.00		per state per OCN
6	TN	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference Subsequent Load per state per OCN						1,500.00	per state per OCN

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
6	TN	DIRECTORY LISTING PRODUCT	White Page Directory Listings				0.00	0.00	0.00	initial listing is no charge
6	TN	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	TN	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per OCN (1 OCN per Order)				N/A	16.00	16.00	OCN
6	TN	BRANDING - DIRECTORY ASSISTANCE	Unbranding - Loading of DA per Switch per OCN				N/A	1,200.00	1,200.00	per switch per OCN
6	TN	BRANDING - OPERATOR CALL PROCESSING	Unbranding - Loading of OA per OCN (Regional)							OCN
6	TN	BRANDING - OPERATOR CALL PROCESSING	Loading of OA Custom Branded Announcement per Switch per OCN				N/A	1,170.00	1,170.00	per switch per OCN
6	TN	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				16.00%	N/A	N/A	Flat Rate Discount for Resale
6	TN	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				16.00%	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
2MR-AT	TX	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Optional EAS Transport & Termination per MOU				\$0.00	NA	NA	MOU
2MR-AT	TX	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for All ISP-Bound and section 251(b)(5) Traffic as per FCC 01-131, per MOU				\$0.000000	NA	NA	MOU
6	TX	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call				\$0.40	NA	NA	per call
6	TX	DIRECTORY ASSISTANCE SERVICES	Directory Assistance (DA) - per call - Credit				\$0.40	NA	NA	per call
6	TX	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC) - per cal				\$0.15	NA	NA	per call
6	TX	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA) per cal				\$0.65	NA	NA	per call
6	TX	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA) per call - credit				\$0.65	NA	NA	per call
6	TX	DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS) per call				\$0.65	NA	NA	per call
6	TX	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA) per call				\$0.65	NA	NA	per call
6	TX	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA) per call - credit				\$0.65	NA	NA	per call
6	TX	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	initial listing is no charge
6	TX	DIRECTORY LISTING PRODUCT	Non Published/Non List Directory Listings					NA	NA	See Tariffs and / or Service Guidebook
6	TX	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Branding - Initial/Subsequent Load per switch, per OCN				NA	\$1,800.00	\$1,800.00	per switch, per OCN
6	TX	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Branding Per call				\$0.03	NA	NA	per call
6	TX	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Initial Load per state, per OCN				NA	\$5,000.00	NA	per state, per OCN
6	TX	BRANDING - DIRECTORY ASSISTANCE	Directory Assistance - Rate Reference Subsequent Load per state, per OCN				NA	\$1,500.00	NA	per state, per OCN
6	TX	OPERATOR CALL PROCESSING	Operated Services - Fully Automated Call Processing (Per completed automated call)				\$0.15	NA	NA	per completed automated call
6	TX	OPERATOR CALL PROCESSING	Operator Assisted Call Processing -- All Types per work second				\$0.03	NA	NA	per work second
6	TX	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Branding Initial/Subsequent Load per switch, per OCN				NA	\$1,800.00	\$1,800.00	per switch, per OCN
6	TX	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Branding Per call				\$0.03	NA	NA	per call
6	TX	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference - Initial Load per state, per OCN				NA	\$5,000.00	NA	per state, per OCN
6	TX	BRANDING - OPERATOR CALL PROCESSING	Operator Services - Rate Reference - Subsequent Load per state, per OCN				NA	\$1,500.00	NA	per state, per OCN
6	TX	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				21.60%	N/A	N/A	Flat Rate Discount for Resale
6	TX	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				21.60%	N/A	N/A	Flat Rate Discount for Resale

PRICING SHEETS
EXHIBIT C

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
2MR-AT	WI	LOCAL INTERCONNECTION (CALL TRANSPORT AND TERMINATION)	Rate for all ISP-Bound and Section 251(b)(5) Traffic as per FCC-01-131, per MOU	OHU	USG15		\$0.00			MOU
6	WI	DIRECTORY ASSISTANCE SERVICES	Directory Assistance, per call	XPU	OPEN		\$ 0.40	NA	NA	per call
6	WI	DIRECTORY ASSISTANCE SERVICES	National Directory Assistance (NDA), per call	XPU	OPEN		\$ 0.65	NA	NA	per call
6	WI	DIRECTORY ASSISTANCE SERVICES	Reverse Directory Assistance (RDA), per call	XPU	OPEN		\$ 0.65	NA	NA	per call
6	WI	DIRECTORY ASSISTANCE SERVICES	Business Category Search (BCS) / where applicable, per call	XPU	OPEN		\$ 0.65	NA	NA	per call
6	WI	DIRECTORY ASSISTANCE SERVICES	Directory Assistance Call Completion (DACC)	XPU	OPEN		\$ 0.15	NA	NA	per call
6	WI	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding - Other - Initial/Subsequent Load per switch per OCN				N/A	\$1,800.00	\$1,800.00	per switch, per OCN
6	WI	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding and Rate/Reference Look Up, per OS/DA call	XPU	OPEN		\$ 0.03			per OS/DA call
6	WI	OPERATOR SERVICES/DIRECTORY ASSISTANCE AUTOMATED CALL GREETING	Branding-Facility Based-Initial/Subsequent Load - Branding, per trunk group				NA	\$ 800.00	NA	per trunk group
6	WI	OPERATOR SERVICES/DIRECTORY ASSISTANCE RATE/REFERENCES	Rate Reference - Initial Load, per state, per OCN				NA	\$ 5,000.00	NA	per state, per OCN
6	WI	OPERATOR SERVICES/DIRECTORY ASSISTANCE RATE/REFERENCES	Rate Reference - Subsequent Load, per state, per OCN				NA	\$ 1,500.00	\$ 1,500.00	per state, per OCN
6	WI	OPERATOR CALL PROCESSING	Operator Services Fully Automated Call Processing, per call	XPU	OPEN		\$ 0.15	NA	NA	per call
6	WI	OPERATOR CALL PROCESSING	Operator Assisted Call Processing -- All Types, per work second	XPU	OPEN		\$ 0.03	NA	NA	per work second
6	WI	OPERATOR CALL PROCESSING	Branding-Other-Initial/Subsequent Load, per switch, per OCN					\$ 1,800.00	\$ 1,800.00	per switch, per OCN
6	WI	OPERATOR CALL PROCESSING	per call	XPU	OPEN		\$ 0.03			per OS/DA call
6	WI	OPERATOR CALL PROCESSING	Branding - Initial/Subsequent Load - per trunk group					\$ 800.00		per trunk group
6	WI	OPERATOR CALL PROCESSING	Operator Services - Rate Reference - Initial Load					\$ 5,000.00		per state, per OCN
6	WI	OPERATOR CALL PROCESSING	Operator Services - Rate Reference - Subsequent Load				NA	\$ 1,500.00	\$ 1,500.00	per state, per OCN
6	WI	DIRECTORY LISTING PRODUCT	DA Listings - per listing for initial load					\$ 0.040	NA	per listing
6	WI	DIRECTORY LISTING PRODUCT	DA Listings - per listing for subsequent updates				\$ 0.060		NA	per listing
6	WI	DIRECTORY LISTING PRODUCT	White Page Directory Listings				\$0.00	\$0.00	\$0.00	initial listing is no charge
6	WI	DIRECTORY LISTING PRODUCT	Non Published /Non List / Additional Directory Listings							See Tariffs and / or Service Guidebook
6	WI	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Directory Assistance Services				25.00%	N/A	N/A	Flat Rate Discount for Resale
6	WI	OTHER RESALE - DIRECTORY ASSISTANCE/OPERATOR SERVICES	Local Operator Assistance Service				25.00%	N/A	N/A	Flat Rate Discount for Resale

AT&T Wholesale Amendment

AMENDMENT

BETWEEN

MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN

AND

**MCIMETRO ACCESS TRANSMISSION SERVICES CORP. D/B/A
VERIZON ACCESS TRANSMISSION SERVICES**



Signature: eSigned - Daniel J. Higgins II

Signature: eSigned - William Bockelman

Name: eSigned - Daniel J. Higgins II
 (Print or Type)

Name: eSigned - William Bockelman
 (Print or Type)

Title: AVP, Verizon Partner Solution
 (Print or Type)

Title: DIR-INTERCONNECTION AGREEMENTS
 (Print or Type)

Date: 18 Jul 2017

Date: 18 Jul 2017

**MCImetro Access Transmission Services Corp.
 d/b/a Verizon Access Transmission Services**

Michigan Bell Telephone Company d/b/a AT&T
 MICHIGAN by AT&T Services, Inc., its authorized
 agent

State	Resale OCN	ULEC OCN	CLEC OCN
MICHIGAN	7020,7108,7289	7229	2649,7227,7228,7229

Description	ACNA Code(s)
ACNA(s)	BFC,MFZ,AKJ,WUA

**AMENDMENT TO THE AGREEMENT
BETWEEN
MCIMETRO ACCESS TRANSMISSION SERVICES CORP. D/B/A VERIZON ACCESS TRANSMISSION
SERVICES
AND
MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN**

This amendment (“Amendment”) amends the Interconnection Agreement by and between Michigan Bell Telephone Company d/b/a AT&T MICHIGAN (“AT&T”) and MCImetro Access Transmission Services Corp. d/b/a Verizon Access Transmission Services (“CLEC”). AT&T and CLEC are hereinafter referred to collectively as the “Parties” and individually as a “Party.”

WHEREAS, AT&T and CLEC are Parties to an Interconnection Agreement under Sections 251 and 252 of the Communications Act of 1934, as amended (the “Act”), approved December 18, 2003 and as subsequently amended (“Agreement”);

WHEREAS, the Parties desire to correct certain Class of Service, USOC information and associated rates for products and/or services that have been ordered and provisioned under this Agreement; and

NOW, THEREFORE, in consideration of the promises and mutual agreements set forth herein, the Parties agree to amend the Agreement as follows:

1. The Amendment is composed of the foregoing recitals, the terms and conditions, contained within, all of which are hereby incorporated within this Amendment by this reference and constitute a part of this Amendment.
2. The Parties agree to add Class of Service XLO; USOCs 4U1B1, 4U1C1, CLYX1, U2HC1 and U2WC1; and the associated rates to the Pricing Sheet, as illustrated in Exhibit 1, which is attached hereto and incorporated herein.
3. Notwithstanding anything to the contrary in this Agreement, in the event that any other CLEC should seek to adopt the Agreement pursuant to Section 252(i) of the Act (“Adopting CLEC”), the Adopting CLEC would only be entitled to the current and/or interim rates set forth in this Agreement as of the date that the MFN’d Agreement provisions become effective between AT&T and the Adopting CLEC (i.e., following the date the Commission approves or is deemed to have approved the Adopting CLEC’s Section 252(i) adoption (“MFN Effective Date”)) and on a prospective basis only. Nothing in this Amendment shall entitle an Adopting CLEC to any retroactive application of any rates under this Amendment.
4. There shall be no retroactive application of any provision of this Amendment prior to the Effective Date of an adopting CLEC’s agreement.
5. This Amendment shall be deemed to revise the terms and provisions of the Agreement only to the extent necessary to give effect to the terms and provisions of this Amendment. In the event of a conflict between the terms and provisions of this Amendment and the terms and provisions of the Agreement (including all incorporated or accompanying Appendices, Addenda, and Exhibits to the Agreement), this Amendment shall govern, provided, however, that the fact that a term or provision appears in this Amendment but not in the Agreement, or in the Agreement but not in this Amendment, shall not be interpreted as, or deemed grounds for finding, a conflict for purposes of this Amendment.
6. In entering into this Amendment, neither Party waives, and each Party expressly reserves, any rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the underlying Agreement (including intervening law rights asserted by either Party via written notice predating this Amendment) with respect to any orders, decisions, legislation or proceedings and any remands thereof, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further review.
7. This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with such Agreement.

8. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.
9. Signatures by all Parties to this Amendment are required to effectuate this Amendment. This Amendment may be executed in counterparts. Each counterpart shall be considered an original and such counterparts shall together constitute one and the same instrument.
10. For Michigan: This Amendment shall be filed with and is subject to approval by the applicable state Commission and shall become effective ten (10) days following approval by such Commission.

PRICING SHEETS
EXHIBIT 1

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Rural (Zone C)	MUJ++, EE7JX, UOB++, UOR++	U2HC1	C	\$ 14.20			
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Suburban (Zone B)	MUJ++, EE7JX, UOB++, UOR++	U2HB1	B	\$ 10.77			
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Metro (Zone A)	MUJ++, EE7JX, UOB++, UOR++	U2HAA	A	\$ 9.13			
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop - Rural (Zone C)	MUJ++, EE7MX, UOB++, UOR++	4U1C1	C	\$ 51.71			
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop - Suburban (Zone B)	MUJ++, EE7MX, UOB++, UOR++	4U1B1	B	\$ 44.01			
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop - Metro (Zone A)	MUJ++, EE7MX, UOB++, UOR++	4U1AA	A	\$ 40.65			
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Clear Channel Capability - Per DS1 Circuit Arranged All Zones Connect	UB5++, EE7MX, UK1++	CLYX1			\$ 75.28		per circuit
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Clear Channel Capability - Per DS1 Circuit Arranged All Zones Connect	UB5++, EE7MX, UK1++	CLYX2			\$ 75.28		per circuit
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Clear Channel Capability - Per DS1 Circuit Arranged All Zones Connect	UB5++, EE7MX, UK1++	CLYX3			\$ 75.28		per circuit

AT&T Wholesale Amendment

AMENDMENT

BETWEEN

**ILLINOIS BELL TELEPHONE COMPANY, LLC D/B/A AT&T ILLINOIS,
MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN**

AND

**MCIMETRO ACCESS TRANSMISSION SERVICES CORP. D/B/A
VERIZON ACCESS TRANSMISSION SERVICES; MCIMETRO ACCESS
TRANSMISSION SERVICES CORP.**



Signature: eSigned - Daniel J. Higgins II

Signature: eSigned - William Bockelman

Name: eSigned - Daniel J. Higgins II
(Print or Type)

Name: eSigned - William Bockelman
(Print or Type)

Title: AVP Verizon Partner Solutions
(Print or Type)

Title: DIR-INTERCONNECTION AGREEMENTS
(Print or Type)

Date: 14 Nov 2018

Date: 15 Nov 2018

**MCImetro Access Transmission Services Corp.
d/b/a Verizon Access Transmission Services;
MCImetro Access Transmission Services Corp.**

**Illinois Bell Telephone Company, LLC d/b/a AT&T
ILLINOIS, Michigan Bell Telephone Company d/b/a
AT&T MICHIGAN by AT&T Services, Inc., its
authorized agent**

State	Resale OCN	ULEC OCN	CLEC OCN
ILLINOIS	7108,7287	7229	2655,7149,7228,7229
MICHIGAN	7020,7108,7289	7229	2649,7227,7228,7229

Description	ACNA Code(s)
ACNA(s)	WUA,AKJ,ICF,MFZ,BFC

**AMENDMENT TO THE AGREEMENT
 BETWEEN
 MCIMETRO ACCESS TRANSMISSION SERVICES CORP. D/B/A VERIZON ACCESS TRANSMISSION
 SERVICES; MCIMETRO ACCESS TRANSMISSION SERVICES CORP.
 AND
 ILLINOIS BELL TELEPHONE COMPANY, LLC D/B/A AT&T ILLINOIS,
 MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN**

This Amendment (the "Amendment") amends the Interconnection Agreement under Sections 251 and 252 of the Telecommunications Act of 1996 amends the Agreement(s) by and between AT&T and CLEC as shown in the attached Exhibit A. AT&T and CLEC are hereinafter referred to collectively as the "Parties" and individually as a "Party".

WHEREAS, AT&T and CLEC are Parties to the Agreement(s) as shown in the attached Exhibit A; and

WHEREAS, the Parties desire to modify prospectively certain rates and terms related to Emergency Number Service Access; and

NOW, THEREFORE, in consideration of the promises and mutual agreements set forth herein, the Parties agree to amend the Agreement as follows:

1. For the state of Illinois;
 The Emergency Number Service Access (E911) rates in Exhibit A of the Agreement for ANI/ALI/SR and Database Management are modified as follows: (a) the monthly recurring rate per 100 records, rounded up to the nearest 100 is \$3.82; and (b) the non-recurring rate is \$517.97. These rate changes are reflected on Exhibit B attached to this Amendment.
2. For the state of Michigan;
 The Emergency Number Service Access (E911) rates in Exhibit A of the Agreement for ANI/ALI/SR and Database Management are modified as follows: (a) the monthly recurring rate per 100 records, rounded up to the nearest 100 is \$3.70; and (b) the non-recurring rate is \$490.65. These rate changes are reflected on Exhibit B attached to this Amendment.
3. CLEC shall order the appropriate number of trunks based on the following table at the rates set forth in the Appendix. The number of trunks required is based on the number of Access Lines provided by CLEC in each 911 default routing area as specified in the Trunk Group Design Guide on CLEC On-line.

Access Lines	Trunks Required
01 - 1,500	2 Trunks
1,501 - 7,500	3 Trunks
7,501 - 18,500	4 Trunks
18,501 - 33,500	5 Trunks
>33,500	To be separately negotiated

AT&T shall provide E911 Service selected by Requesting Carrier in the Exchange Area(s) that meet both of the following conditions: (1) Requesting Carrier is authorized to provide local exchange Telecommunications Services in such Exchange Area(s), and (2) AT&T is the 911 service provider in such Exchange Area(s).

4. Conflict between this Amendment and the Agreement. This Amendment shall be deemed to revise the terms and provisions of the Agreement only to the extent necessary to give effect to the terms and provisions of this Amendment. In the event of a conflict between the terms and provisions of this Amendment and the terms and provisions of the Agreement this Amendment shall govern, *provided, however*, that the fact that a term or provision appears in this Amendment but not in the Agreement, or in the Agreement but not in this Amendment, shall not be interpreted as, or deemed grounds for finding, a conflict for purposes of this paragraph.
5. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

6. In entering into this Amendment, the Parties are setting forth their agreement to address the matters set forth herein for purposes of this Amendment only, the terms of which are enforceable by both Parties. Subject to the foregoing, neither Party waives, and each Party expressly reserves, any rights, remedies or arguments it may have at law or in equity, including without limitation the right to advocate before all relevant forums any position with regard to the appropriate charges for Emergency Number Service Access applicable prior to the date upon which this Amendment becomes effective. The terms of this Amendment shall not be deemed or considered: 1) to have any probative value as to the substance of either Party's rights or advocacy positions; 2) to constitute the acquiescence by either Party other than for purposes of enforcing this Amendment; 3) to constitute a waiver of any right or advocacy position of either Party, whether policy, legal, equitable or otherwise nor 4) to have any effect on the Agreement prior to the effective date of this Amendment.
7. This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with such Agreement
8. Signatures by all Parties to this Amendment are required to effectuate this Amendment. This Amendment may be executed in counterparts. Each counterpart shall be considered an original and such counterpart shall together constitute one and the same instrument.
9. For Illinois and Michigan: This Amendment shall be filed with and is subject to approval by the applicable state Commission and shall become effective ten (10) days following approval by such Commission.

Exhibit A

AT&T ILEC (“AT&T”)	CARRIER Legal Name	Contract Type	Approval Date
Illinois Bell Telephone Company, LLC d/b/a AT&T ILLINOIS (Previously referred to as Illinois Bell Telephone Company d/b/a AT&T ILLINOIS)	MCImetro Access Transmission Services Corp. d/b/a Verizon Access Transmission Services	Interconnection	November 4, 2010
Michigan Bell Telephone Company d/b/a AT&T MICHIGAN	MCImetro Access Transmission Services Corp.	Interconnection	December 18, 2003

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
5	IL	EMERGENCY NUMBER SERVICES	Emergency Number Service Access - ANI/ALI/SR and Database Management	OE9XX	9S89X			\$ 517.97		
5	IL	EMERGENCY NUMBER SERVICES	Emergency Number Service Access - ANI/ALI/SR and Database Management - Per 100 Records or part thereof	OE9XX	9S89X		\$ 3.82			100 Records or part thereof

PRICING SHEETS

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
5	MI	EMERGENCY NUMBER SERVICES	Emergency Number Service Access - ANI/ALI/SR and Database Management	OE9XX	9S89X			\$ 490.65		
5	MI	EMERGENCY NUMBER SERVICES	Emergency Number Service Access - ANI/ALI/SR and Database Management - Per 100 Records or part thereof	OE9XX	9S89X		\$ 3.70			100 Records or part thereof

AMENDMENT**BETWEEN**

BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA AND AT&T TENNESSEE, ILLINOIS BELL TELEPHONE COMPANY, LLC D/B/A AT&T ILLINOIS, INDIANA BELL TELEPHONE COMPANY INCORPORATED D/B/A AT&T INDIANA, MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN, NEVADA BELL TELEPHONE COMPANY D/B/A AT&T NEVADA AND AT&T WHOLESALE, THE OHIO BELL TELEPHONE COMPANY D/B/A AT&T OHIO, PACIFIC BELL TELEPHONE COMPANY D/B/A AT&T CALIFORNIA, SOUTHWESTERN BELL TELEPHONE COMPANY D/B/A AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA AND AT&T TEXAS, WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN

AND

MCIMETRO ACCESS TRANSMISSION SERVICES CORP., MCIMETRO ACCESS TRANSMISSION SERVICES LLC, MCIMETRO ACCESS TRANSMISSION SERVICES LLC D/B/A VERIZON ACCESS TRANSMISSION SERVICES

Signature: eSigned - Daniel Higgins II

Signature: eSigned - Kristen E. Shore

Name: eSigned - Daniel Higgins II
(Print or Type)

Name: eSigned - Kristen E. Shore
(Print or Type)

Title: AVP
(Print or Type)

Title: AVP- Regulatory
(Print or Type)

Date: 12 Dec 2022

Date: 12 Dec 2022

**MCImetro Access Transmission Services LLC, Corp.,
MCImetro Access Transmission Services LLC,
MCImetro Access Transmission Services LLC d/b/a
Verizon Access Transmission Services**

**BellSouth Telecommunications, LLC d/b/a AT&T
ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T
KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI,
AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA
and AT&T TENNESSEE, Illinois Bell Telephone
Company, d/b/a AT&T ILLINOIS, Indiana Bell
Telephone Company Incorporated d/b/a AT&T
INDIANA, Michigan Bell Telephone Company d/b/a
AT&T MICHIGAN, Nevada Bell Telephone Company
d/b/a AT&T NEVADA and AT&T Wholesale, The Ohio
Bell Telephone Company d/b/a AT&T OHIO, Pacific
Bell Telephone Company d/b/a AT&T CALIFORNIA,
Southwestern Bell Telephone Company d/b/a AT&T
ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T
OKLAHOMA and AT&T TEXAS, Wisconsin Bell, Inc.
d/b/a AT&T WISCONSIN by AT&T Services, Inc., its
authorized agent**

**AMENDMENT TO THE AGREEMENT
BETWEEN
MCIMETRO ACCESS TRANSMISSION SERVICES, CORP., MCIMETRO ACCESS TRANSMISSION
SERVICES LLC, MCIMETRO ACCESS TRANSMISSION SERVICES LLC D/B/A VERIZON ACCESS
TRANSMISSION SERVICES
AND
BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T ALABAMA, AT&T FLORIDA, AT&T
GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA,
AT&T SOUTH CAROLINA AND AT&T TENNESSEE, ILLINOIS BELL TELEPHONE COMPANY, LLC
D/B/A AT&T ILLINOIS, INDIANA BELL TELEPHONE COMPANY INCORPORATED D/B/A AT&T
INDIANA, MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN, NEVADA BELL
TELEPHONE COMPANY D/B/A AT&T NEVADA AND AT&T WHOLESALE, THE OHIO BELL
TELEPHONE COMPANY D/B/A AT&T OHIO, PACIFIC BELL TELEPHONE COMPANY D/B/A AT&T
CALIFORNIA, SOUTHWESTERN BELL TELEPHONE COMPANY D/B/A AT&T ARKANSAS, AT&T
KANSAS, AT&T MISSOURI, AT&T OKLAHOMA AND AT&T TEXAS, WISCONSIN BELL, INC. D/B/A
AT&T WISCONSIN**

This Amendment (the “Amendment”) amends the Agreement(s) by and between AT&T and CLEC as shown in the attached Exhibit B. AT&T and CLEC are hereinafter referred to collectively as the “Parties” and individually as a “Party”.

WHEREAS, AT&T and CLEC are Parties to the Agreement(s) as shown in the attached Exhibit B; and as subsequently amended (the “Agreement”); and

WHEREAS, MCImetro Access Transmission Services Corp. has changed its form of organization from a Corporation to a Limited Liability Company and wishes to reflect that change as set forth herein; and

WHEREAS, the Parties desire to amend the Agreement to implement the FCC Orders FCC-19-66 and FCC-19-72 in WC Dkt. No. 18-141; Petition of US Telecom for Forbearance Pursuant to 47 U.S.C. § 160(c) to Accelerate Investment in Broadband and Next-Generation Networks which was filed with the FCC on May 4, 2018 (FCC Order 19-72, the “FCC UNE and Resale Forbearance Order”); and

WHEREAS, the Parties desire to amend the Agreement to implement the FCC Order FCC-20-152 in WC Dkt. No. 19-308; Modernizing Unbundling and Resale Requirements in an Era of Next-Generation Networks and Services which became effective on February 8, 2021 (“FCC UNE Relief Order”); and

NOW, THEREFORE, in consideration of the promises and mutual agreements set forth herein, the Parties agree to amend the Agreement as follows:

1. The Amendment is composed of the foregoing recitals and the terms and conditions contained herein, all of which are hereby incorporated by this reference and constitute a part of this Amendment.
2. As of February 2, 2020, except for resale services that are grandfathered pursuant to subsection 2.a below, CLEC’s purchase of retail services for resale under the Agreement shall be deemed to be purchased for resale pursuant to Section 251(b)(1) of the Act, and the wholesale discount previously available under Section 251(c)(4) of the Act as of February 2, 2020 (“Wholesale Discount”), shall no longer be mandatory. Any changes to the discount will be made with 180 days notice, and in any case shall not result in CLEC being charged more than the amount permitted under Section 251(b)(1) of the Act and, for the Resale Embedded Base, shall take effect no earlier than the date specified in Section 2.a below.
 - a. Resale services ordered on or before February 1, 2020 (“Resale Embedded Base”) are grandfathered at the Wholesale Discount until August 2, 2022, after which 180 days notice will be provided before a change can be made (which change in any case shall not result in CLEC being charged more than the amount permitted under Section 251(b)(1) of the Act) and available only:

- i. to the same End User; and
 - ii. at that same End User's existing location;
 - iii. both as of February 2, 2020.
3. Intentionally Left Blank.
4. As of February 2, 2020, CLEC may no longer order 2-Wire Analog UNE Loops or 4-Wire Analog UNE Loops ("Analog Loops") pursuant to this Agreement. Any existing Analog Loops ordered on or before February 1, 2020 ("Analog Loop Embedded Base") are grandfathered until August 2, 2022. CLEC shall convert the Analog Loop Embedded Base to a commercial offering, or other comparable service, or disconnect such Analog Loop on, or before, August 1, 2022. Exhibit A to this Amendment contains Analog Loop element descriptions and USOCs that are subject to the FCC UNE and Resale Forbearance Order, however this Agreement may also contain additional and/or older element descriptions and USOCs that are also Analog Loops subject to the FCC UNE and Resale Forbearance Order. Also, to the extent Exhibit A contains UNE descriptions or USOCs that are not affected by the FCC UNE and Resale Forbearance Order, such UNEs and USOCs are listed solely for the convenience of the Parties and this Section 4 shall not alter the Parties' rights and obligations with respect to such UNEs and USOCs.
 - a. To the extent CLEC fails to adhere to the above AT&T, at AT&T's sole discretion, may take one or more of the following actions for any remaining Analog Loops and CLEC will be responsible for all recurring and non-recurring charges:
 - i. convert to an analogous arrangement available under a separate commercial agreement executed by the Parties, or
 - ii. convert to AT&T tariff or guidebook services (in which case month-to-month rates, terms and conditions shall apply), or
 - iii. reprice by application of a new rate (or by application of a surcharge to an existing rate) that applies under (i) or (ii) above, or
 - iv. disconnect.
 - b. AT&T reserves the right, subject to any backbilling limitation period set forth in the Agreement, to backbill CLEC for the difference between an Analog Loop rate and the non-UNE rate that applies under this Section 4 for any new Analog Loops inadvertently ordered on or after February 2, 2020, and any Analog Loop Embedded Base remaining as of August 1, 2022.
 - c. AT&T's election to reprice the Analog Loop shall not preclude AT&T from later converting the Analog Loop to an analogous arrangement available under a separate commercial agreement or an AT&T tariff or guidebook service.
5. As of January 12, 2020, CLEC may no longer order DS1/DS3 Unbundled Dedicated Transport ("DS1/DS3 UDT"), whether stand-alone or part of a combination (e.g., Enhanced Extended Link), pursuant to this Agreement between Tier 1 wire centers and/or wire centers subject to UDT forbearance under Public Notice DA 19-733, dated August 1, 2019. Any such existing DS1/DS3 UDT ordered on or before January 11, 2020, is grandfathered until July 12, 2022 ("UDT Embedded Base").
 - i. CLEC must disconnect or convert any grandfathered DS1/DS3 UDT to another product/service offering on or before July 12, 2022, pursuant to the Conversion of 251(c)(3) UNE/UNE Combinations to Wholesale Services provisions of this Agreement or other similar provision.
 - ii. If CLEC fails to convert grandfathered DS1/DS3 UDT before July 12, 2022, at AT&T's sole discretion, AT&T may convert any, or all, of the remaining DS1/DS3 UDT to the equivalent Special Access service at month-to-month rates, terms and conditions. CLEC shall be responsible for all associated recurring and non-recurring charges.
 - iii. AT&T reserves the right, to backbill CLEC for the difference between a DS1/DS3 UDT rate and the non-UNE rate that applies under this Section 5 for any new circuits inadvertently ordered on or after January 12, 2020 and any UDT Embedded Base remaining as of July 12, 2022. , AT&T may back bill CLEC for the 12 months prior to the month in which it provides notice to CLEC that it identified a non-compliant circuit and for any additional months the circuit remains non-compliant until AT&T and or CLEC correct the non-compliance.

- iv. If the FCC determines that additional wire centers are subject to forbearance, CLEC shall cease ordering DS1/DS3 UDT as of the date specified by the FCC and adhere to any FCC-specified transition timelines.
6. As of February 8, 2023, CLEC may no longer order new 2-Wire Digital UNE Loops (“Digital Loops”) pursuant to this Agreement in Wire Centers where at least 50% of the census blocks served are designated as urbanized areas by the United States Census Bureau. Any existing Digital Loops ordered on or before February 8, 2023 (“Digital Loop Embedded Base”) are grandfathered until February 8, 2025. CLEC shall convert the Digital Loop Embedded Base to a commercial offering, or an alternate arrangement, or disconnect such Digital Loop on or before February 8, 2025. Exhibit A to this Amendment contains Digital Loop element descriptions and USOCs that are subject to the FCC UNE Relief Order; however, this Agreement may also contain additional and/or older element descriptions and USOCs that are also Digital Loops subject to the FCC UNE Relief Order. Also, to the extent Exhibit A contains UNE descriptions or USOCs that are not affected by the FCC UNE Relief Order, such UNEs and USOCs are listed solely for the convenience of the Parties and this Section 6 shall not alter the Parties’ rights and obligations with respect to such UNEs and USOCs.
- a. To the extent CLEC fails to adhere to the above, at AT&T’s sole discretion, AT&T may take one or more of the following actions for any remaining Digital Loops and CLEC will be responsible for all recurring and non-recurring charges:
- i. convert to a digital arrangement available under a separate commercial agreement executed by the Parties, or
- ii. convert to AT&T tariff or guidebook services (in which case month-to-month rates, terms and conditions shall apply), or
- iii. reprice by application of a new rate (or by application of a surcharge to an existing rate) that applies under (i) or (ii) above, or
- iv. disconnect.
- b. AT&T reserves the right, to backbill CLEC for the difference between the Digital Loop rate and the non-UNE rate that applies under this Section 6 for any new noncompliant Digital Loops inadvertently ordered on or after February 8, 2023, and any Digital Loop Embedded Base remaining as of February 8, 2025. For any new noncompliant Digital Loops inadvertently ordered on or after February 8, 2023, AT&T may back bill CLEC for the 12 months prior to the month in which it provides notice to CLEC that it identified a non-compliant circuit and for any additional months the circuit remains non-compliant until AT&T and or CLEC correct the non-compliance.
- c. AT&T’s election to reprice the Digital Loop shall not preclude AT&T from later converting the Digital Loop to a Digital arrangement available under a separate commercial agreement or an AT&T tariff or guidebook service.
- d. AT&T reserves the right to raise its rates by up to 25% for the period from February 08, 2024 through February 7, 2025 by providing at least thirty (30) days’ advance written notice of any such increase. and may elect to increase rates to market rates after February 08, 2025, when the grandfathering period expires. AT&T shall provide Notice to CLEC of how the Parties will implement the subsequent rate changes.
7. As of February 8, 2023, CLEC may no longer order new DS1 UNE Loops (“DS1 Loops”) pursuant to this Agreement in Wire Centers in counties deemed by the FCC to be competitive in the BDS proceeding as listed in the AT&T Guidebook in accordance with the FCC’s determinations, which may change from time to time. Any existing DS1 Loops ordered on or before February 8, 2023 (“DS1 Loop Embedded Base”) are grandfathered until August 8, 2024. CLEC shall convert the DS1 Loop Embedded Base to an alternate arrangement, or disconnect such DS1 Loop on or before August 8, 2024. Exhibit A to this Amendment contains DS1 Loop element descriptions and USOCs that are subject to the FCC UNE Relief Order; however, this Agreement may also contain additional and/or older element descriptions and USOCs that are also DS1 Loops subject to the FCC UNE Relief Order. Also, to the extent Exhibit A contains UNE descriptions or USOCs that are not affected by the FCC UNE Relief Order, such UNEs and USOCs are listed solely for the convenience of the Parties and this Section 7 shall not alter the Parties’ rights and obligations with respect to such UNEs and USOCs.
- a. To the extent CLEC fails to adhere to the above, AT&T, at AT&T’s sole discretion, may take one or more of the following actions for any remaining DS1 Loops and CLEC will be responsible for all recurring and non-recurring charges:
- i. convert to AT&T tariff or guidebook services (in which case month-to-month rates, terms and conditions shall apply), or

- ii. reprice by application of a new rate (or by application of a surcharge to an existing rate) that applies under (i) above, or
 - iii. disconnect.
 - b. AT&T reserves the right to backbill CLEC for the difference between the DS1 Loop rate and the non-UNE rate that applies under this Section 7 for any new noncompliant DS1 Loops inadvertently ordered on or after February 8, 2023, and any DS1 Loop Embedded Base remaining as of August 8, 2024. For any new noncompliant DS1 Loops inadvertently ordered on or after February 8, 2023, AT&T may back bill CLEC for the 12 months prior to the month in which it provides notice to CLEC that it identified a non-compliant circuit and for any additional months the circuit remains non-compliant until AT&T and or CLEC correct the non-compliance.
 - c. AT&T's election to reprice the DS1 Loop shall not preclude AT&T from later converting the DS1 Loop to a DS1 arrangement available under a separate AT&T tariff or guidebook service.
8. As of February 8, 2021, CLEC may no longer order new DS3 UNE Loops ("DS3 Loops") pursuant to this Agreement in Wire Centers in counties deemed by the FCC to be competitive in the BDS proceeding as listed in the AT&T Guidebook in accordance with the FCC's determinations, which may change from time to time.. Any existing DS3 Loops described in the preceding sentence that CLEC ordered on or before February 8, 2021 ("DS3 Loop Embedded Base") are grandfathered until February 8, 2024. CLEC shall convert the DS3 Loop Embedded Base to an alternate arrangement, or disconnect such DS3 Loop on or before February 8, 2024. Exhibit A to this Amendment contains DS3 Loop element descriptions and USOCs that are subject to the FCC UNE Relief Order, however this Agreement may also contain additional and/or older element descriptions and USOCs that are also DS3 Loops subject to the FCC UNE Relief Order. Also, to the extent Exhibit A contains UNE descriptions or USOCs that are not affected by the FCC UNE Relief Order, such UNEs and USOCs are listed solely for the convenience of the Parties and this Section 8 shall not alter the Parties' rights and obligations with respect to such UNEs and USOCs.
- a. To the extent CLEC fails to adhere to the above, at AT&T's sole discretion, AT&T may take one or more of the following actions for any remaining DS3 Loops and CLEC will be responsible for all recurring and non-recurring charges:
 - i. convert to AT&T tariff or guidebook services (in which case month-to-month rates, terms and conditions shall apply), or
 - ii. reprice by application of a new rate (or by application of a surcharge to an existing rate) that applies under (i) above, or
 - iii. disconnect.
 - b. AT&T reserves the right, to backbill CLEC for the difference between the DS3 Loop rate and the non-UNE rate that applies under this Section 8 for any new noncompliant DS3 Loops inadvertently ordered on or after February 8, 2021, and any DS3 Loop Embedded Base remaining as of February 8, 2024. For any new noncompliant DS3 Loops inadvertently ordered on or after February 8, 2021, AT&T may back bill CLEC for the 12 months prior to the month in which it provides notice to CLEC that it identified a non-compliant circuit and for any additional months the circuit remains non-compliant until AT&T and or CLEC correct the non-compliance.
 - c. AT&T's election to reprice the DS3 Loop shall not preclude AT&T from later converting the DS3 Loop to a DS3 arrangement available under a separate AT&T tariff or guidebook service.
9. As of February 8, 2021, CLEC may no longer order new UNE Dark Fiber Transport ("DFT") pursuant to this Agreement where the dark fiber transport is connected, at both ends of the transport route, to a Tier 3 wire center located within ½ mile of competitive fiber as described in the FCC UNE Relief Order and designated by the FCC. Any existing UNE Dark Fiber Transport facility described in the preceding sentence that CLEC ordered before February 8, 2021 ("Dark Fiber Transport Embedded Base") is grandfathered until February 8, 2029. CLEC shall convert the UNE Dark Fiber Transport Embedded Base to an alternate arrangement, or disconnect such UNE Dark Fiber Transport on or before February 8, 2029. Exhibit A to this Amendment contains UNE Dark Fiber Transport element descriptions and USOCs that are subject to the FCC UNE Relief Order; however, this Agreement may also contain additional and/or older element descriptions and USOCs that are also UNE Dark Fiber Transport subject to the FCC UNE Relief Order. Also, to the extent Exhibit A contains UNE descriptions or USOCs that are not affected by the FCC UNE Relief Order, such UNEs and USOCs are listed solely for the convenience of the Parties and this Section 9 shall not alter the Parties' rights and obligations with respect to such UNEs and USOCs. If the FCC determines that additional wire centers are subject to forbearance, CLEC shall cease

ordering DFT as of the date specified by the FCC and adhere to any FCC-specified transition timelines.

- a. To the extent CLEC fails to adhere to the above, AT&T, at AT&T's sole discretion, may take one or more of the following actions for any remaining UNE Dark Fiber Transport and CLEC will be responsible for all recurring and non-recurring charges:
 - i. convert to AT&T tariff or guidebook services (in which case month-to-month rates, terms and conditions shall apply), or
 - ii. reprice by application of a new rate (or by application of a surcharge to an existing rate) that applies under (i) above, or
 - iii. disconnect.
 - b. AT&T reserves the right, subject to any backbilling limitation period set forth in the Agreement, to backbill CLEC for the difference between an UNE Dark Fiber Transport rate and the non-UNE rate that applies under this Section 9 for any new UNE Dark Fiber Transport inadvertently ordered on or after February 8, 2021, and any UNE Dark Fiber Transport Embedded Base remaining as of February 8, 2029.
 - c. AT&T's election to reprice the UNE Dark Fiber Transport shall not preclude AT&T from later converting the UNE Dark Fiber Transport to a DFT arrangement available under a separate AT&T tariff or guidebook service.
10. As of February 8, 2021, CLEC may no longer order new UNE Subloops or UNE Network Interface Devices (NIDs) pursuant to this Agreement.
 11. As of February 8, 2021, CLEC may no longer covert existing Special Access circuits (as defined, ordered, and provisioned in AT&T ILEC's interstate and/or intrastate tariffs) to UNES.
 12. To facilitate mutual planning by the Parties, CLEC shall endeavor to provide a non-binding forecast of the total number of Unbundled Loops in its embedded customer base that it plans to migrate to an alternate product or service. CLEC shall work with AT&T to establish mutually agreed to daily order volume parameters and make a reasonable effort to affect a timely and orderly migration by the end of the transition period.
 13. Any future forbearance from or rule changes for Section 251(c)(3) UNES offered pursuant to this Agreement shall be incorporated by reference as of the effective date of the FCC order and shall not require a written amendment. AT&T shall provide Notice to CLEC of how the Parties will implement the subsequent UNE forbearance or rule change in accordance with the applicable FCC order. Notice will include applicable transition periods and any changes to rate(s), term(s) and/or condition(s) to the underlying Agreement.
 14. The Agreement is hereby amended to reflect the organizational change as shown in Exhibit B.
 15. This Amendment shall be deemed to revise the terms and provisions of the Agreement only to the extent necessary to give effect to the terms and provisions of this Amendment. In the event of a conflict between the terms and provisions of this Amendment and the terms and provisions of the Agreement (including all incorporated or accompanying Appendices, Addenda, and Exhibits to the Agreement), this Amendment shall govern, provided, however, that the fact that a term or provision appears in this Amendment but not in the Agreement, or in the Agreement but not in this Amendment, shall not be interpreted as, or deemed grounds for finding, a conflict for purposes of this Amendment.
 16. In entering into this Amendment, neither Party waives, and each Party expressly reserves, any rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the underlying Agreement (including intervening law rights asserted by either Party via written notice predating this Amendment) with respect to any orders, decisions, legislation or proceedings and any remands thereof, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further review.
 17. This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with such Agreement.
 18. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

19. Signatures by all Parties to this Amendment are required to effectuate this Amendment. This Amendment may be executed in counterparts. Each counterpart shall be considered an original and such counterparts shall together constitute one and the same instrument.

Exhibit B

AT&T ILEC (“AT&T”)	CARRIER Old Legal Name	CARRIER New Legal Name	Contract Type	Approval Date
Bellsouth Telecommunications, LLC d/b/a AT&T ALABAMA	MCImetro Access Transmission Services Corp.	MCImetro Access Transmission Services LLC	Interconnection	November 8, 2006
Southwestern Bell Telephone Company d/b/a AT&T ARKANSAS	MCImetro Access Transmission Services Corp.	MCImetro Access Transmission Services LLC	Interconnection	March 27, 2006
Pacific Bell Telephone Company d/b/a AT&T CALIFORNIA	MCImetro Access Transmission Services Corp. d/b/a Verizon Access Transmission Services	MCImetro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	September 1, 2006
Bellsouth Telecommunications, LLC d/b/a AT&T FLORIDA	MCImetro Access Transmission Services Corp. d/b/a Verizon Access Transmission Services	MCImetro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	January 31, 2007
Bellsouth Telecommunications, LLC d/b/a AT&T GEORGIA	MCImetro Access Transmission Services Corp. d/b/a Verizon Access Transmission Services	MCImetro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	December 12, 2006
Illinois Bell Telephone Company d/b/a AT&T ILLINOIS	MCImetro Access Transmission Services Corp. d/b/a Verizon	MCImetro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	November 14, 2010

AT&T ILEC ("AT&T")	CARRIER Old Legal Name	CARRIER New Legal Name	Contract Type	Approval Date
	Access Transmission Services			
Indiana Bell Telephone Company Incorporated d/b/a AT&T INDIANA	MCI metro Access Transmission Services Corp. d/b/a Verizon Access Transmission Services	MCI metro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	March 11, 2006
Southwestern Bell Telephone Company d/b/a AT&T KANSAS	MCI metro Access Transmission Services Corp. d/b/a Verizon Access Transmission Services	MCI metro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	October 26, 2005
Bellsouth Telecommunications, LLC d/b/a AT&T KENTUCKY	MCI metro Access Transmission Services Corp. d/b/a Verizon Access Transmission Services	MCI metro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	November 20, 2006
Bellsouth Telecommunications, LLC d/b/a AT&T LOUISIANA	MCI metro Access Transmission Services Corp. d/b/a Verizon Access Transmission Services	MCI metro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	November 5, 2006
Michigan Bell Telephone Company d/b/a AT&T MICHIGAN	MCI metro Access Transmission Services Corp. d/b/a Verizon Access Transmission Services	MCI metro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	December 18, 2003

AT&T ILEC ("AT&T")	CARRIER Old Legal Name	CARRIER New Legal Name	Contract Type	Approval Date
Bellsouth Telecommunications, LLC d/b/a AT&T MISSISSIPPI	MCImetro Access Transmission Services Corp. d/b/a Verizon Access Transmission Services	MCImetro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	December 6, 2006
Southwestern Bell Telephone Company d/b/a AT&T MISSOURI	MCImetro Access Transmission Services Corp.	MCImetro Access Transmission Services Corp.	Interconnection	October 20, 2010
Nevada Bell Telephone Company d/b/a AT&T NEVADA and AT&T Wholesale	MCImetro Access Transmission Services Corp.	MCImetro Access Transmission Services LLC	Interconnection	February 24, 2003
Bellsouth Telecommunications, LLC d/b/a AT&T NORTH CAROLINA	MCImetro Access Transmission Services Corp.	MCImetro Access Transmission Services LLC	Interconnection	November 1, 2006
The Ohio Bell Telephone Company d/b/a AT&T OHIO	MCImetro Access Transmission Services Corp.	MCImetro Access Transmission Services LLC	Interconnection	February 13, 2003
Southwestern Bell Telephone Company d/b/a AT&T OKLAHOMA	MCImetro Access Transmission Services Corp. d/b/a Verizon Access Transmission Services	MCImetro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	February 22, 2007
Bellsouth Telecommunications, LLC d/b/a AT&T SOUTH CAROLINA	MCImetro Access Transmission Services Corp. d/b/a Verizon Access Transmission Services	MCImetro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	February 13, 2007

AT&T ILEC ("AT&T")	CARRIER Old Legal Name	CARRIER New Legal Name	Contract Type	Approval Date
Bellsouth Telecommunications, LLC d/b/a AT&T TENNESSEE	MCImetro Access Transmission Services Corp.	MCImetro Access Transmission Services LLC	Interconnection	January 8, 2007
Southwestern Bell Telephone Company d/b/a AT&T TEXAS	MCImetro Access Transmission Services Corp.	MCImetro Access Transmission Services LLC	Interconnection	August 29, 2005
Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN	MCImetro Access Transmission Services Corp. d/b/a Verizon Access Transmission Services	MCImetro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	July 18, 2007

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEAL2	1
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEAL2	1
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEAL2	2
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEAL2	2
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEAL2	3
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEAL2	3
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEASL	1
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEASL	1
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEASL	2
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEASL	2
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEASL	3
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEASL	3
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Manual Order Coordination for UVL-SL1s (per loop)	UEANL	UEAMC	
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Order Coordination for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1 [DISCONNECT]	UEANL	UREPN	
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL1	UEANL	UREPM	
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1	UEQ	UEQ2X	1
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1 [DISCONNECT]	UEQ	UEQ2X	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2	UEQ	UEQ2X	2
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2 [DISCONNECT]	UEQ	UEQ2X	2
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3	UEQ	UEQ2X	3
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3 [DISCONNECT]	UEQ	UEQ2X	3
14R-CU	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Tag Loop at End User Premise	UEQ	URETL	
14R-CU	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic 1st Half Hour	UEQ	URET1	
14R-CU	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic Additional Half Hour	UEQ	URETA	
15	AL	UNBUNDLED EXCHANGE ACCESS LOOP	Manual Order Coordination 2 Wire Unbundled Copper Loop - Non-Designed (per loop)	UEQ	USBMC	
15	AL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND	UEQ	UREPN	
15	AL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND [DISCONNECT]	UEQ	UREPN	
15	AL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet (per DS0)	UEA	URESPL	
15	AL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN	
15	AL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL2	UEA	UREPM	
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEA	UEAL4	1
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEA	UEAL4	2
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEA	UEAL4	3
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 1	UDN	U1L2X	1
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 1 [DISCONNECT]	UDN	U1L2X	1
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 2	UDN	U1L2X	2
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 2 [DISCONNECT]	UDN	U1L2X	2
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 3	UDN	U1L2X	3
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 3 [DISCONNECT]	UDN	U1L2X	3
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 1	UAL	UAL2X	1
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 1 [DISCONNECT]	UAL	UAL2X	1
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 2	UAL	UAL2X	2
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 2 [DISCONNECT]	UAL	UAL2X	2
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 3	UAL	UAL2X	3
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 3 [DISCONNECT]	UAL	UAL2X	3
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 1	UAL	UAL2W	1
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 1 [DISCONNECT]	UAL	UAL2W	1
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 2	UAL	UAL2W	2
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 2 [DISCONNECT]	UAL	UAL2W	2
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 3	UAL	UAL2W	3
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 3 [DISCONNECT]	UAL	UAL2W	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 1	UHL	UHL2X	1
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 1 [DISCONNECT]	UHL	UHL2X	1
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 2	UHL	UHL2X	2
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 2 [DISCONNECT]	UHL	UHL2X	2
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 3	UHL	UHL2X	3
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 3 [DISCONNECT]	UHL	UHL2X	3
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1	UHL	UHL2W	1
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UHL	UHL2W	1
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2	UHL	UHL2W	2
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UHL	UHL2W	2
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3	UHL	UHL2W	3
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UHL	UHL2W	3
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4 Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 1	UHL	UHL4X	1
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4 Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UHL	UHL4X	1
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 2	UHL	UHL4X	2
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UHL	UHL4X	2
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 3	UHL	UHL4X	3
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UHL	UHL4X	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1	UHL	UHL4W	1
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UHL	UHL4W	1
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2	UHL	UHL4W	2
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UHL	UHL4W	2
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3	UHL	UHL4W	3
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UHL	UHL4W	3
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 1	USL	USLXX	1
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 1 [DISCONNECT]	USL	USLXX	1
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 2	USL	USLXX	2
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 2 [DISCONNECT]	USL	USLXX	2
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 3	USL	USLXX	3
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 3 [DISCONNECT]	USL	USLXX	3
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, single LSR, (per DS1)	USL	URESL	
13	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS1)	USL	URESP	
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 1	UCL	UCLPB	1
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 1 [DISCONNECT]	UCL	UCLPB	1
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 2	UCL	UCLPB	2
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 2 [DISCONNECT]	UCL	UCLPB	2
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 3	UCL	UCLPB	3
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 3 [DISCONNECT]	UCL	UCLPB	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1	UCL	UCLPW	1
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UCL	UCLPW	1
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2	UCL	UCLPW	2
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UCL	UCLPW	2
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3	UCL	UCLPW	3
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UCL	UCLPW	3
15	AL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Order Coordination for Unbundled Copper Loops (per loop)	UCL	UCLMC	
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 1	UCL	UCL4S	1
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UCL	UCL4S	1
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 2	UCL	UCL4S	2
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UCL	UCL4S	2
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 3	UCL	UCL4S	3
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UCL	UCL4S	3
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1	UCL	UCL4W	1
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UCL	UCL4W	1
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2	UCL	UCL4W	2
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UCL	UCL4W	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3	UCL	UCL4W	3
14	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UCL	UCL4W	3
15	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop - Order Coordination for Unbundled Copper Loops (per loop)	UCL	UCLMC	
15	AL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop - Order Coordination for Specified Conversion Time (per LSR)	UEA, UDN, UAL, UHL, UDL, USL	OCOSL	
13	AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
13	AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAL2	1
13	AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2	2
13	AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAL2	2
13	AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3
13	AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAL2	3
13	AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1
13	AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAR2	1
13	AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2
13	AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAR2	2
13	AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3
13	AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAR2	3
13	AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet (per DS0)	NTCVG	URESP	
13	AL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Loop Tagging - Service Level 2 (SL2)	NTCVG	URETL	
13	AL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
13	AL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	NTCVG	UEAL4	1
13	AL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
13	AL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	NTCVG	UEAL4	2
13	AL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
13	AL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	NTCVG	UEAL4	3
13	AL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES	
13	AL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
13	AL	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 1	NTCD1	USLXX	1
13	AL	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 1 [DISCONNECT]	NTCD1	USLXX	1
13	AL	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 2	NTCD1	USLXX	2
13	AL	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 2 [DISCONNECT]	NTCD1	USLXX	2
13	AL	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 3	NTCD1	USLXX	3
13	AL	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 3 [DISCONNECT]	NTCD1	USLXX	3
13	AL	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, single LSR, (per DS1)	NTCD1	URES	
13	AL	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS1)	NTCD1	URESP	
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 1	NTCUD	UDL2X	1
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL2X	1
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 2	NTCUD	UDL2X	2
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL2X	2
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 3	NTCUD	UDL2X	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL2X	3
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 1	NTCUD	UDL4X	1
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL4X	1
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 2	NTCUD	UDL4X	2
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL4X	2
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 3	NTCUD	UDL4X	3
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL4X	3
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 1	NTCUD	UDL9X	1
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL9X	1
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 2	NTCUD	UDL9X	2
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL9X	2
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 3	NTCUD	UDL9X	3
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL9X	3
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 1	NTCUD	UDL19	1
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL19	1
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 2	NTCUD	UDL19	2
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL19	2
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 3	NTCUD	UDL19	3
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL19	3
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 1	NTCUD	UDL56	1
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL56	1
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 2	NTCUD	UDL56	2
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL56	2
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 3	NTCUD	UDL56	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL56	3
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 1	NTCUD	UDL64	1
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL64	1
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 2	NTCUD	UDL64	2
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL64	2
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 3	NTCUD	UDL64	3
13	AL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL64	3
13	AL	UNE LOOP COMMINGLING	4-Wire 19.2, 56 or 64 KBPS Digital Grade Loop - Switch-As-Is Conversion rate per UNE Loop, single LSR, (per DS0)	NTCUD	URES	
13	AL	UNE LOOP COMMINGLING	4-Wire 19.2, 56 or 64 KBPS Digital Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCUD	URESP	
15	AL	UNE LOOP COMMINGLING	4-Wire 19.2, 56 or 64 KBPS Digital Grade Loop - Order Coordination for Specified Conversion Time (per LSR)	NTCVG, NTCUD, NTCDD1	OCOSL	
13	AL	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Basic Time, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTCDD1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULDVX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVB	
13	AL	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Overtime, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTCDD1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULDVX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVOT	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	AL	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Premium, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTC1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULVDX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVPT	
14	AL	LOOP MODIFICATION	Unbundled Loop Modification, Removal of Load Coils - 2 Wire pair less than or equal to 18k ft. per Unbundled Loop	UAL, UHL, UCL, UEQ, UEA, UEANL, UEPSR, UEPSB	ULM2L	
14	AL	LOOP MODIFICATION	Unbundled Loop Modification Removal of Load Coils - 4 Wire less than or equal to 18K ft, per Unbundled Loop	UHL, UCL, UEA	ULM4L	
14	AL	LOOP MODIFICATION	Unbundled Loop Modification Removal of Bridged Tap Removal, per unbundled loop	UAL, UHL, UCL, UEQ, UEA, UEANL, UEPSR, UEPSB	ULMBT	
13MR-SL	AL	SUB-LOOPS	Sub-Loop - Per Cross Box Location - CLEC Feeder Facility Set-Up	UEANL, UEF	USBSA	
13MR-SL	AL	SUB-LOOPS	Sub-Loop - Per Cross Box Location - Per 25 Pair Panel Set-Up	UEANL, UEF	USBSB	
13MR-SL	AL	SUB-LOOPS	Sub-Loop - Per Building Equipment Room - CLEC Feeder Facility Set-Up	UEANL	USBSC	
13MR-SL	AL	SUB-LOOPS	Sub-Loop - Per Building Equipment Room - Per 25 Pair Panel Set-Up	UEANL	USBSD	
13MR-SL	AL	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 1	UEANL	USBN2	1
13MR-SL	AL	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEANL	USBN2	1
13MR-SL	AL	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 2	UEANL	USBN2	2
13MR-SL	AL	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEANL	USBN2	2
13MR-SL	AL	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 3	UEANL	USBN2	3
13MR-SL	AL	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEANL	USBN2	3
13	AL	SUB-LOOPS	Order Coordination for Unbundled Sub-Loops, per sub-loop pair	UEANL	USBMC	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	AL	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 1	UEANL	USBN4	1
13MR-SL	AL	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEANL	USBN4	1
13MR-SL	AL	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 2	UEANL	USBN4	2
13MR-SL	AL	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEANL	USBN4	2
13MR-SL	AL	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 3	UEANL	USBN4	3
13MR-SL	AL	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEANL	USBN4	3
13MR-SL	AL	SUB-LOOPS	Sub-Loop 2-Wire Intrabuilding Network Cable (INC)	UEANL	USBR2	
13MR-SL	AL	SUB-LOOPS	Sub-Loop 2-Wire Intrabuilding Network Cable (INC) [DISCONNECT]	UEANL	USBR2	
13MR-SL	AL	SUB-LOOPS	Sub-Loop 4-Wire Intrabuilding Network Cable (INC)	UEANL	USBR4	
13MR-SL	AL	SUB-LOOPS	Sub-Loop 4-Wire Intrabuilding Network Cable (INC) [DISCONNECT]	UEANL	USBR4	
13MR-SL	AL	SUB-LOOPS	Loop Testing - Basic 1st Half Hour	UEANL	URET1	
13MR-SL	AL	SUB-LOOPS	Loop Testing - Basic Additional Half Hour	UEANL	URETA	
13MR-SL	AL	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 1	UEF	UCS2X	1
13MR-SL	AL	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 1 [DISCONNECT]	UEF	UCS2X	1
13MR-SL	AL	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 2	UEF	UCS2X	2
13MR-SL	AL	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 2 [DISCONNECT]	UEF	UCS2X	2
13MR-SL	AL	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 3	UEF	UCS2X	3
13MR-SL	AL	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 3 [DISCONNECT]	UEF	UCS2X	3
13	AL	SUB-LOOPS	Order Coordination for Unbundled Sub-Loops, per sub-loop pair	UEF	USBMC	
13MR-SL	AL	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 1	UEF	UCS4X	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	AL	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 1 [DISCONNECT]	UEF	UCS4X	1
13MR-SL	AL	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 2	UEF	UCS4X	2
13MR-SL	AL	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 2 [DISCONNECT]	UEF	UCS4X	2
13MR-SL	AL	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 3	UEF	UCS4X	3
13MR-SL	AL	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 3 [DISCONNECT]	UEF	UCS4X	3
13MR-SL	AL	SUB-LOOPS	Loop Tagging Service Level 1, Unbundled Copper Loop, Non-Designed and Distribution Subloops	UEF, UEANL	URETL	
13MR-SL	AL	SUB-LOOPS	Loop Testing - Basic 1st Half Hour	UEF	URET1	
13MR-SL	AL	SUB-LOOPS	Loop Testing - Basic Additional Half Hour	UEF	URETA	
13	AL	SUB-LOOPS	Unbundled Sub-Loop Modification - 2-W Copper Dist Load Coil/Equip Removal per 2-W PR	UEF	ULM2X	
13	AL	SUB-LOOPS	Unbundled Sub-loop Modification - 4-W Copper Dist Load Coil/Equip Removal per 4-W PR	UEF	ULM4X	
13	AL	SUB-LOOPS	Unbundled Sub-Loop Modification, Removal of Bridge Tap, per unbundled loop	UEF	ULMBT	
13MR-SL	AL	SUB-LOOPS	Unbundled Network Terminating Wire (UNTW) per Pair	UENTW	UENPP	
13	AL	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-2 lines	UENTW	UND12	
13	AL	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-6 lines	UENTW	UND16	
13	AL	ADDITIONAL NETWORK ELEMENTS	Network Interface Device Cross Connect - 2 W	UENTW	UNDC2	
13	AL	ADDITIONAL NETWORK ELEMENTS	Network Interface Device Cross Connect - 4W	UENTW	UNDC4	
13	AL	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled Contact Name, Provisioning Only - no rate	UAL, UCL, UDC, UDL, UDN, UEA, UHL, UEANL, UEF, UEQ, UENTW, NTCVCG, NTCUD, NTCD1, USL	UNECN	
13	AL	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled DS1 Loop - Superframe Format Option - no rate	USL, NTCD1	CCOSF	
13	AL	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled DS1 Loop - Expanded Superframe Format option - no rate	USL, NTCD1	CCOEF	
13	AL	UNE OTHER, PROVISIONING ONLY - NO RATE	NID - Dispatch and Service Order for NID installation	UENTW	UNDBX	
13MR-SL	AL	UNE OTHER, PROVISIONING ONLY - NO RATE	UNTW Circuit Establishment, Provisioning Only - No Rate	UENTW	UENCE	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	AL	LOOP MAKE-UP	Loop Makeup - Preordering Without Reservation, per working or spare facility queried (Manual).	UMK	UMKLW	
14	AL	LOOP MAKE-UP	Loop Makeup - Preordering With Reservation, per spare facility queried (Manual).	UMK	UMKLP	
14	AL	LOOP MAKE-UP	Loop Makeup--With or Without Reservation, per working or spare facility queried (Mechanized)	UMK	UMKMQ	
14R-LS	AL	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation DLEC owned splitter	UEPSR, UEPSB	UREOS	
14R-LS	AL	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation AT&T owned - physical	UEPSR, UEPSB	UREBP	
14R-LS	AL	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation AT&T owned - physical [DISCONNECT]	UEPSR, UEPSB	UREBP	
14R-LS	AL	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation AT&T owned - virtual	UEPSR, UEPSB	UREBV	
14R-LS	AL	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation AT&T owned - virtual [DISCONNECT]	UEPSR, UEPSB	UREBV	
14R-LS	AL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1	UEPSR, UEPSB	UEALS	1
14R-LS	AL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1 [DISCONNECT]	UEPSR, UEPSB	UEALS	1
14R-LS	AL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1	UEPSR, UEPSB	UEABS	1
14R-LS	AL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1 [DISCONNECT]	UEPSR, UEPSB	UEABS	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14R-LS	AL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2	UEPSR, UEPSB	UEALS	2
14R-LS	AL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2 [DISCONNECT]	UEPSR, UEPSB	UEALS	2
14R-LS	AL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2	UEPSR, UEPSB	UEABS	2
14R-LS	AL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2 [DISCONNECT]	UEPSR, UEPSB	UEABS	2
14R-LS	AL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3	UEPSR, UEPSB	UEALS	3
14R-LS	AL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3 [DISCONNECT]	UEPSR, UEPSB	UEALS	3
14R-LS	AL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3	UEPSR, UEPSB	UEABS	3
14R-LS	AL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3 [DISCONNECT]	UEPSR, UEPSB	UEABS	3
14R-LS	AL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - Physical Collocation-2 Wire Cross Connects (Loop) for Line Splitting	UEPSR, UEPSB	PE1LS	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14R-LS	AL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - Physical Collocation-2 Wire Cross Connects (Loop) for Line Splitting [DISCONNECT]	UEPSR, UEPSB	PE1LS	
14R-LS	AL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - Virtual Collocation-2 Wire Cross Connects (Loop) for Line Splitting	UEPSR, UEPSB	VE1LS	
14R-LS	AL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - Virtual Collocation-2 Wire Cross Connects (Loop) for Line Splitting [DISCONNECT]	UEPSR, UEPSB	VE1LS	
13	AL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	
13	AL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1	
13	AL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination [DISCONNECT]	U1TD1	U1TF1	
13	AL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
13	AL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
13	AL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination [DISCONNECT]	U1TD3	U1TF3	
13	AL	UNBUNDLED DEDICATED TRANSPORT	Stand Alone or in Combination - Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof	UDF	1L5DF	
13	AL	UNBUNDLED DEDICATED TRANSPORT	Stand Alone or in Combination - Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof	UDF	UDF14	
13	AL	UNBUNDLED DEDICATED TRANSPORT	Stand Alone or in Combination - Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof [DISCONNECT]	UDF	UDF14	
13	AL	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - per mile	UE3	1L5ND	
13	AL	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination	UE3	UE3PX	
13	AL	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination [DISCONNECT]	UE3	UE3PX	
13	AL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1	UNCVX	UEAL4	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	AL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1 [DISCONNECT]	UNCVX	UEAL4	1
13	AL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2	UNCVX	UEAL4	2
13	AL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2 [DISCONNECT]	UNCVX	UEAL4	2
13	AL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3	UNCVX	UEAL4	3
13	AL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3 [DISCONNECT]	UNCVX	UEAL4	3
13	AL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1
13	AL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1 [DISCONNECT]	UNC1X	USLXX	1
13	AL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
13	AL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2 [DISCONNECT]	UNC1X	USLXX	2
13	AL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3
13	AL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3 [DISCONNECT]	UNC1X	USLXX	3
13	AL	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
13	AL	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
13	AL	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination [DISCONNECT]	UNC3X	UE3PX	
13	AL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
13	AL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination	UNC1X	U1TF1	
13	AL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination [DISCONNECT]	UNC1X	U1TF1	
13	AL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
13	AL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination	UNC3X	U1TF3	
13	AL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination [DISCONNECT]	UNC3X	U1TF3	
13	AL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Extended Frame Option - per DS1	U1TD1, UNC1X	CCOEF	
13	AL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Super FrameOption - per DS1	U1TD1, UNC1X	CCOSF	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	AL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability (SF/ESF) Option - Subsequent Activity - per DS1	U1TD1, UNC1X, USL	NRCCC	
13	AL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability (SF/ESF) Option - Subsequent Activity - per DS1 [DISCONNECT]	U1TD1, UNC1X, USL	NRCCC	
13	AL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: C-bit Parity Option - Subsequent Activity - per DS3	U1TD3, UE3, UNC3X	NRCC3	
13	AL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: C-bit Parity Option - Subsequent Activity - per DS3 [DISCONNECT]	U1TD3, UE3, UNC3X	NRCC3	
13	AL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1/DS0 Channel System	UNC1X	MQ1	
13	AL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1/DS0 Channel System [DISCONNECT]	UNC1X	MQ1	
13	AL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS3/DS1Channel System	UNC3X	MQ3	
13	AL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS3/DS1Channel System [DISCONNECT]	UNC3X	MQ3	
13	AL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Voice Grade COCI in combination	UNCVX	1D1VG	
13	AL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Voice Grade COCI - for 2W-SL2 & 4W Voice Grade Local Loop	UEA	1D1VG	
13	AL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI in combination	UNC1X	UC1D1	
13	AL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI - for Stand Alone Interoffice Channel	U1TD1	UC1D1	
13	AL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI - for DS1 Local Loop	USL, NTCD1	UC1D1	
13	AL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Wholesale - UNE, Switch-As-Is Conversion Charge	UNCVX, UNC1X, UNC3X, XDH1X, HFQC6, XDD2X,-XDV6X	UNCCC	
13	AL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Unbundled Misc Rate Element, SNE SAI, Single Network Element - Switch As Is Non-recurring Charge, per circuit (LSR)	U1TVX, U1TD3, UDF, UE3	URES	
13	AL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Unbundled Misc Rate Element, SNE SAI, Single Network Element - Switch As Is Non-recurring Charge, incremental charge per circuit on a spreadsheet	U1TVX, U1TD3, UDF, UE3	URESP	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	AL	ADDITIONAL NETWORK ELEMENTS	Service Rearrangements - NRC - Order Coordination Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR	
13	AL	COMMINGLING	Commingling Authorization	UNCVX, UNC1X, UNC3X, U1TD3, UE3, U1TVX	CMGAU	
13	AL	COMMINGLING	Commingling Authorization [DISCONNECT]	UNCVX, UNC1X, UNC3X, U1TD3, UE3, U1TVX	CMGAU	
13	AL	COMMINGLING	Commingled VG COCI	XDV2X	1D1VG	
13	AL	COMMINGLING	Commingled 4-wire Local Loop Zone 1	XDV6X	UEAL4	1
13	AL	COMMINGLING	Commingled 4-wire Local Loop Zone 1 [DISCONNECT]	XDV6X	UEAL4	1
13	AL	COMMINGLING	Commingled 4-wire Local Loop Zone 2	XDV6X	UEAL4	2
13	AL	COMMINGLING	Commingled 4-wire Local Loop Zone 2 [DISCONNECT]	XDV6X	UEAL4	2
13	AL	COMMINGLING	Commingled 4-wire Local Loop Zone 3	XDV6X	UEAL4	3
13	AL	COMMINGLING	Commingled 4-wire Local Loop Zone 3 [DISCONNECT]	XDV6X	UEAL4	3
13	AL	COMMINGLING	Commingled DS1 COCI	XDH1X	UC1D1	
13	AL	COMMINGLING	Commingled DS1 Interoffice Channel	XDH1X	U1TF1	
13	AL	COMMINGLING	Commingled DS1 Interoffice Channel [DISCONNECT]	XDH1X	U1TF1	
13	AL	COMMINGLING	Commingled DS1 Interoffice Channel Mileage	XDH1X	1L5XX	
13	AL	COMMINGLING	Commingled DS1/DS0 Channel System	XDH1X	MQ1	
13	AL	COMMINGLING	Commingled DS1/DS0 Channel System [DISCONNECT]	XDH1X	MQ1	
13	AL	COMMINGLING	Commingled DS1 Local Loop Zone 1	XDH1X	USLXX	1
13	AL	COMMINGLING	Commingled DS1 Local Loop Zone 1 [DISCONNECT]	XDH1X	USLXX	1
13	AL	COMMINGLING	Commingled DS1 Local Loop Zone 2	XDH1X	USLXX	2
13	AL	COMMINGLING	Commingled DS1 Local Loop Zone 2 [DISCONNECT]	XDH1X	USLXX	2
13	AL	COMMINGLING	Commingled DS1 Local Loop Zone 3	XDH1X	USLXX	3
13	AL	COMMINGLING	Commingled DS1 Local Loop Zone 3 [DISCONNECT]	XDH1X	USLXX	3
13	AL	COMMINGLING	Commingled DS3 Local Loop	HFQC6	UE3PX	
13	AL	COMMINGLING	Commingled DS3 Local Loop [DISCONNECT]	HFQC6	UE3PX	
13	AL	COMMINGLING	Commingled DS3/DS1 Channel System	HFQC6	MQ3	
13	AL	COMMINGLING	Commingled DS3/DS1 Channel System [DISCONNECT]	HFQC6	MQ3	
13	AL	COMMINGLING	Commingled DS3 Interoffice Channel	HFQC6	U1TF3	
13	AL	COMMINGLING	Commingled DS3 Interoffice Channel [DISCONNECT]	HFQC6	U1TF3	
13	AL	COMMINGLING	Commingled DS3 Interoffice Channel Mileage	HFQC6	1L5XX	
13	AL	COMMINGLING	UNE to Commingled Conversion Tracking	XDH1X, HFQC6	CMGUN	
13	AL	COMMINGLING	UNE to Commingled Conversion Tracking [DISCONNECT]	XDH1X, HFQC6	CMGUN	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	AL	COMMINGLING	SPA to Commingled Conversion Tracking	XDH1X, HFQC6	CMGSP	
13	AL	COMMINGLING	SPA to Commingled Conversion Tracking [DISCONNECT]	XDH1X, HFQC6	CMGSP	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	Disconnect Loop from inside wiring, per NID		NRBND	
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 1 (Rural)		U21	1
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 2 (Suburban)		U21	2
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 3 (Urban)		U21	3
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Conditioning for dB loss from 8db to 5db		UL2	
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 1 (Rural)		U4H	1
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 2 (Suburban)		U4H	2
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 3 (Urban)		U4H	3
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop - Zone 1 (Rural)		U2Q	1
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop - Zone 2 (Suburban)		U2Q	2
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop - Zone 3 (Urban)		U2Q	3
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Zone 1 (Rural)		U4D1X	1
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Zone 2 (Suburban)		U4D1X	2
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Zone 3 (Urban)		U4D1X	3
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop Zone 1 (Rural)		U4D3X	1
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop Zone 2 (Suburban)		U4D3X	2
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop Zone 3 (Urban)		U4D3X	3
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Cross Connect to Collocation - Cross Connect		UCXC2	
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop to Collocation (without testing) - Cross Connect		UCXD2	
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop to Collocation - Cross Connect		UCXC4	
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop to Collocation (without testing) - Cross Connect		UCXD4	
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop to Collocation - Cross Connect		(UCXC2) UNDERDEVELOPMENT	
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop to Collocation (without testing) - Cross Connect		(UCXD2) UNDERDEVELOPMENT	
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop to Collocation - Cross Connect		UDLY4	
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop to Collocation - Cross Connect		UCXBX	
14	AR	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop - Zone 1 (Rural)		2SLAX	1
14	AR	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLAX	2
14	AR	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop - Zone 3 (Urban)		2SLAX	3
14	AR	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop - Zone 1 (Rural)		2SLCX	1
14	AR	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLCX	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	AR	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop - Zone 3 (Urban)		2SLCX	3
14	AR	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop - Zone 1 (Rural)		2SLBX	1
14	AR	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLBX	2
14	AR	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop - Zone 3 (Urban)		2SLBX	3
14	AR	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop - Zone 1 (Rural)		2SLDX	1
14	AR	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLDX	2
14	AR	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop - Zone 3 (Urban)		2SLDX	3
14	AR	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop - Zone 1 (Rural)		U2F	1
14	AR	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop - Zone 2 (Suburban)		U2F	2
14	AR	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop - Zone 3 (Urban)		U2F	3
14	AR	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop - Zone 1 (Rural)		2SLFX	1
14	AR	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLFX	2
14	AR	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop - Zone 3 (Urban)		2SLFX	3
14	AR	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop - Zone 1 (Rural)		4SL1X	1
14	AR	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop - Zone 2 (Suburban)		4SL1X	2
14	AR	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop - Zone 3 (Urban)		4SL1X	3
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Capable Loop - Zone 1 (Rural)		UY5FX	1
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Capable Loop - Zone 2 (Suburban)		UY5FX	2
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Capable Loop - Zone 3 (Urban)		UY5FX	3
14	AR	LOOP MAKE-UP	Loop Qualification Process - Mechanized		NR98U	
14	AR	LOOP MAKE-UP	Loop Qualification Process - Manual		NRBXU	
14	AR	LOOP MODIFICATION	DSL Conditioning - Removal of Repeaters		NRBXV	
14	AR	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Repeater (> than 17.5 Kft.same location/same cable)		NRBNL	
14	AR	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Repeater (> than 17.5 Kft.same location/different cable)		NRBNP	
14	AR	LOOP MODIFICATION	DSL Conditioning - Removal of Excessive Bridged Taps and Repeaters		NRBXH	
14	AR	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Excessive Bridged Taps and Repeaters (>than 17.5K same location/same cable)		NRBTV	
14	AR	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Excessive Bridged Taps and Repeaters (>than 17.5K same location/different cable)		NRBTW	
14	AR	LOOP MODIFICATION	DSL Conditioning - Removal of Excessive Bridged Taps		NRBXW	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	AR	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Excessive Bridged Tap (> than 17.5 Kft.same location/same cable)		NRBNK	
14	AR	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Excessive Bridged Tap (> than 17.5 Kft.same location/different cable)		NRBNN	
14	AR	LOOP MODIFICATION	DSL Conditioning - Removal of Excessive Bridged Taps and Load Coils		NRBXF	
14	AR	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Load Coil & Excessive Bridge Tap (> than 17.5 Kft.same location/same Cable)		NRBM8	
14	AR	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Load Coil & Excessive Bridge Tap (> than 17.5 Kft.same location/different Cable)		NRBM9	
14	AR	LOOP MODIFICATION	DSL Conditioning - Removal of Load Coils		NRBXZ	
14	AR	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Load Coil (> than 17.5 Kft.same location/same Cable)		NRBNJ	
14	AR	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Load Coil (> than 17.5 Kft.same location/different Cable)		NRBNH	
14	AR	LOOP MODIFICATION	RABT - MMP - Removal of non-excessive bridged tap DSL loops >0Kft. And <17.5Kft.		NRMRJ	
14	AR	LOOP MODIFICATION	RABT - MMP - Removal of All Bridged Tap DSL Loops 12Kft. To 17.5Kft.		NRMRP	
14	AR	LOOP MODIFICATION	RABT - MMP - Removal of non-excessive bridged tap DSL loops >17.5Kft DSL Loops - per element incremental		NRMRS	
14	AR	LOOP MODIFICATION	RABT - MMP - Removal of All Bridged Tap DSL loops >17.5Kft. - per element incremental		NRMRM	
14	AR	LOOP MODIFICATION	DSL Shielded Loop Cross Connect to Collocation		UXRRX	
14	AR	LOOP MODIFICATION	2-Wire DSL Non-Shielded Cross Connect to Collocation		UCX92	
14	AR	LOOP MODIFICATION	4-Wire DSL Non-Shielded Cross Connect to Collocation		UCX94	
14	AR	LOOP MODIFICATION	LST performed on CODSLAM Loop		URCLD	
13MR-SL	AR	SUB-LOOPS	LST performed on Sub Loop		URCLB	
13MR-SL	AR	SUB-LOOPS	ECS to SAI subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAP	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	AR	SUB-LOOPS	ECS to SAI subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAP	2
13MR-SL	AR	SUB-LOOPS	ECS to SAI subloop charge 2-Wire Analog Zone 3 (Urban)		U6LAP	3
13MR-SL	AR	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAQ	1
13MR-SL	AR	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAQ	2
13MR-SL	AR	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire Analog Zone 3 (Urban)		U6LAQ	3
13MR-SL	AR	SUB-LOOPS	ECS to NID subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAR	1
13MR-SL	AR	SUB-LOOPS	ECS to NID subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAR	2
13MR-SL	AR	SUB-LOOPS	ECS to NID subloop charge 2-Wire Analog Zone 3 (Urban)		U6LAR	3
13MR-SL	AR	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAS	1
13MR-SL	AR	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAS	2
13MR-SL	AR	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire Analog Zone 3 (Urban)		U6LAS	3
13MR-SL	AR	SUB-LOOPS	SAI to NID subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAT	1
13MR-SL	AR	SUB-LOOPS	SAI to NID subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAT	2
13MR-SL	AR	SUB-LOOPS	SAI to NID subloop charge 2-Wire Analog Zone 3 (Urban)		U6LAT	3
13MR-SL	AR	SUB-LOOPS	Terminal to NID subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAU	1
13MR-SL	AR	SUB-LOOPS	Terminal to NID subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAU	2
13MR-SL	AR	SUB-LOOPS	Terminal to NID subloop charge 2-Wire Analog Zone 3 (Urban)		U6LAU	3
13MR-SL	AR	SUB-LOOPS	ECS to SAI subloop charge 4-Wire Analog Zone 1 (Rural)		U6LEP	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	AR	SUB-LOOPS	ECS to SAI subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LEP	2
13MR-SL	AR	SUB-LOOPS	ECS to SAI subloop charge 4-Wire Analog Zone 3 (Urban)		U6LEP	3
13MR-SL	AR	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire Analog Zone 1 (Rural)		U6LEQ	1
13MR-SL	AR	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LEQ	2
13MR-SL	AR	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire Analog Zone 3 (Urban)		U6LEQ	3
13MR-SL	AR	SUB-LOOPS	ECS to NID subloop charge 4-Wire Analog Zone 1 (Rural)		U6LER	1
13MR-SL	AR	SUB-LOOPS	ECS to NID subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LER	2
13MR-SL	AR	SUB-LOOPS	ECS to NID subloop charge 4-Wire Analog Zone 3 (Urban)		U6LER	3
13MR-SL	AR	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire Analog Zone 1 (Rural)		U6LES	1
13MR-SL	AR	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LES	2
13MR-SL	AR	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire Analog Zone 3 (Urban)		U6LES	3
13MR-SL	AR	SUB-LOOPS	SAI to NID subloop charge 4-Wire Analog Zone 1 (Rural)		U6LET	1
13MR-SL	AR	SUB-LOOPS	SAI to NID subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LET	2
13MR-SL	AR	SUB-LOOPS	SAI to NID subloop charge 4-Wire Analog Zone 3 (Urban)		U6LET	3
13MR-SL	AR	SUB-LOOPS	Terminal to NID subloop charge 4-Wire Analog Zone 1 (Rural)		U6LEU	1
13MR-SL	AR	SUB-LOOPS	Terminal to NID subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LEU	2
13MR-SL	AR	SUB-LOOPS	Terminal to NID subloop charge 4-Wire Analog Zone 3 (Urban)		U6LEU	3
13MR-SL	AR	SUB-LOOPS	ECS to SAI subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCP	1
13MR-SL	AR	SUB-LOOPS	ECS to SAI subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCP	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	AR	SUB-LOOPS	ECS to SAI subloop charge 2-Wire DSL Zone 3 (Urban)		U6LCP	3
13MR-SL	AR	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCQ	1
13MR-SL	AR	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCQ	2
13MR-SL	AR	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire DSL Zone 3 (Urban)		U6LCQ	3
13MR-SL	AR	SUB-LOOPS	ECS to NID subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCR	1
13MR-SL	AR	SUB-LOOPS	ECS to NID subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCR	2
13MR-SL	AR	SUB-LOOPS	ECS to NID subloop charge 2-Wire-DSL Zone 3 (Urban)		U6LCR	3
13MR-SL	AR	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCS	1
13MR-SL	AR	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCS	2
13MR-SL	AR	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire DSL Zone 3 (Urban)		U6LCS	3
13MR-SL	AR	SUB-LOOPS	SAI to NID subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCT	1
13MR-SL	AR	SUB-LOOPS	SAI to NID subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCT	2
13MR-SL	AR	SUB-LOOPS	SAI to NID subloop charge 2-Wire DSL Zone 3 (Urban)		U6LCT	3
13MR-SL	AR	SUB-LOOPS	Terminal to NID subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCU	1
13MR-SL	AR	SUB-LOOPS	Terminal to NID subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCU	2
13MR-SL	AR	SUB-LOOPS	Terminal to NID subloop charge 2-Wire DSL Zone 3 (Urban)		U6LCU	3
13MR-SL	AR	SUB-LOOPS	ECS to SAI subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGP	1
13MR-SL	AR	SUB-LOOPS	ECS to SAI subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGP	2
13MR-SL	AR	SUB-LOOPS	ECS to SAI subloop charge 4-Wire DSL Zone 3 (Urban)		U6LGP	3
13MR-SL	AR	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGQ	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	AR	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGQ	2
13MR-SL	AR	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire DSL Zone 3 (Urban)		U6LGQ	3
13MR-SL	AR	SUB-LOOPS	ECS to NID subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGR	1
13MR-SL	AR	SUB-LOOPS	ECS to NID subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGR	2
13MR-SL	AR	SUB-LOOPS	ECS to NID subloop charge 4-Wire DSL Zone 3 (Urban)		U6LGR	3
13MR-SL	AR	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGS	1
13MR-SL	AR	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGS	2
13MR-SL	AR	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire DSL Zone 3 (Urban)		U6LGS	3
13MR-SL	AR	SUB-LOOPS	SAI to NID subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGT	1
13MR-SL	AR	SUB-LOOPS	SAI to NID subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGT	2
13MR-SL	AR	SUB-LOOPS	SAI to NID subloop charge 4-Wire DSL Zone 3 (Urban)		U6LGT	3
13MR-SL	AR	SUB-LOOPS	Terminal to NID subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGU	1
13MR-SL	AR	SUB-LOOPS	Terminal to NID subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGU	2
13MR-SL	AR	SUB-LOOPS	Terminal to NID subloop charge 4-Wire DSL Zone 3 (Urban)		U6LGU	3
13MR-SL	AR	SUB-LOOPS	Subloop Cross Connect 2-Wire Analog Non-Central Office Originating		UKCV2	
13MR-SL	AR	SUB-LOOPS	Subloop Cross Connect 4-Wire Analog Non-Central Office Originating		UKCV4	
13MR-SL	AR	SUB-LOOPS	Subloop Cross Connect 2-Wire DSL Non-Central Office Originating		UKCZ2	
13MR-SL	AR	SUB-LOOPS	Subloop Cross Connect 4-Wire DSL Non-Central Office Originating		UKCZ4	
13MR-SL	AR	SUB-LOOPS	2-Wire Analog Loop Cross Connect to Collocation		UCXC2	
13MR-SL	AR	SUB-LOOPS	2-Wire Analog Loop Cross Connect to Collocation (without testing)		UCXD2	
13MR-SL	AR	SUB-LOOPS	4-Wire Analog Loop Cross Connect to Collocation		UCXC4	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	AR	SUB-LOOPS	4-Wire Analog Loop Cross Connect to Collocation (without testing)		UCXD4	
13MR-SL	AR	SUB-LOOPS	2-Wire Digital Loop Cross Connect to Collocation			
13MR-SL	AR	SUB-LOOPS	2-Wire Digital Loop Cross Connect to Collocation (without testing)			
13MR-SL	AR	SUB-LOOPS	DS1 Loop Cross Connect to Collocation		UCXHX	
13MR-SL	AR	SUB-LOOPS	DS3 Loop Cross Connect to Collocation		UCXBX	
13	AR	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile		ULNHS	
13	AR	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile		ULNHS	
13	AR	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile		ULNJS	
13	AR	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile		ULNJS	
13	AR	UNBUNDLED DEDICATED TRANSPORT	DT-Cross Connect - DS1 to Collocation		UCXHX	
13	AR	UNBUNDLED DEDICATED TRANSPORT	DT-Cross Connect - DS3 to Collocation		UCXJX	
13	AR	UNBUNDLED DEDICATED TRANSPORT	DS1 to VG - Multiplexing		UM4BX	
13	AR	UNBUNDLED DEDICATED TRANSPORT	DS3 to DS1 - Multiplexing		UM4AX	
13	AR	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber -Interoffice per strand		ULYCX	
13	AR	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per foot Zone 1 (Rural)		ULNCF	1
13	AR	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per foot Zone 2 (Suburban)		ULNCF	2
13	AR	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per foot Zone 3 (Urban)		ULNCF	3
13	AR	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Cross Connect - Interoffice		UKCJX	
13	AR	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice Inquiry		NR9D6	
13	AR	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 1		UXRA1	1
13	AR	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 2		UXRA2	2
13	AR	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 3		UXRA3	3
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	Routine Modifications of Existing Facilities		N3RUE	
7	AR	OPERATIONS SUPPORT SYSTEMS (OSS)	Manual New - Simple		NRBUQ	
7	AR	OPERATIONS SUPPORT SYSTEMS (OSS)	Manual Change - Simple		NRBUO	
7	AR	OPERATIONS SUPPORT SYSTEMS (OSS)	Manual Record - Simple		NRBUU	
7	AR	OPERATIONS SUPPORT SYSTEMS (OSS)	Manual Disconnect - Simple		NRBUW	
7	AR	OPERATIONS SUPPORT SYSTEMS (OSS)	Manual Expedited - Simple		NRMV1	
7	AR	OPERATIONS SUPPORT SYSTEMS (OSS)	Manual Customer Not Ready - Simple		NRMV5	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
7	AR	OPERATIONS SUPPORT SYSTEMS (OSS)	Manual Due Date Change or Cancellation - Simple		NRMV3	
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual New - Complex		NRBUR	
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Change - Complex		NRBUP	
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Record - Complex		NRBUV	
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Disconnect - Complex		NRBUX	
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Expedited - Complex		NRMV2	
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Customer Not Ready - Complex		NRMV6	
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Due Date Change or Cancellation - Complex		NRMV4	
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic New - Complex		NRBGX	
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Change - Complex		NR9G8	
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Record - Complex		NR9G7	
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Disconnect - Complex		NR9G9	
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Expedited Complex		NRMVX	
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Customer Not Ready - Complex		NRMVY	
13	AR	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Due Date Change or Cancellation Complex		NRMVZ	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Network interface Device - NID Interface (OANAD Terminology - NID to NID Crossconnect)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Network interface Device - NID Premise Visit (OANAD Terminology - NID to NID Crossconnect)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 1 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKB	1
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 2 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKB	2
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 3 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKB	3
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Statewide (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKB	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 1 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKBAA	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 2 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKBAA	2
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 3 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKBAA	3
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Statewide (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	LKBAA	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 1 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKB	1
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 2 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKB	2
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 3 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKB	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Statewide (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKB	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 1 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKA	1
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 2 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKA	2
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Zone 3 (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKA	3
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Statewide (OANAD Terminology - Basic or Assured Link - 2-Wire)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	AELKA	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Zone 1 (OANAD Terminology - 4-Wire Link)	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+	LK4WA	1
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Zone 2 (OANAD Terminology - 4-Wire Link)	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+	LK4WA	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Zone 3 (OANAD Terminology - 4-Wire Link)	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+	LK4WA	3
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Statewide	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+	LK4WA	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Loop - CO Facility Interface Connection (OANAD Terminology - 4-Wire - CO Facility Interface Connection)		3F74X	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Loop Digital Zone 1 (OANAD Terminology - Basic - 2-Wire + ISDN Option)	EE9E+, EE9F+, B1L++, R1L++	LKB2Q	1
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop Zone 2 (OANAD Terminology - Basic - 2-Wire + ISDN Option)	EE9E+, EE9F+, B1L++, R1L++	LKB2Q	2
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop Zone 3 (OANAD Terminology - Basic - 2-Wire + ISDN Option)	EE9E+, EE9F+, B1L++, R1L++	LKB2Q	3
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop Statewide (OANAD Terminology - Basic - 2-Wire + ISDN Option)	EE9E+, EE9F+, B1L++, R1L++	LKB2Q	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Loop Digital Zone 1 (OANAD Terminology - Basic - 2-Wire + ISDN Option)	EE9E+, EE9F+, B1L++, R1L++	LKB3Q	1
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop Zone 2 (OANAD Terminology - Basic - 2-Wire + ISDN Option)	EE9E+, EE9F+, B1L++, R1L++	LKB3Q	2
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop Zone 3 (OANAD Terminology - Basic - 2-Wire + ISDN Option)	EE9E+, EE9F+, B1L++, R1L++	LKB3Q	3
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop Statewide (OANAD Terminology - Basic - 2-Wire + ISDN Option)	EE9E+, EE9F+, B1L++, R1L++	LKB3Q	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Loop Digital Zone 1 (OANAD Terminology - Basic - 2-Wire + ISDN Option)	EE9E+, EE9F+, B1L++, R1L++	U2Q	1
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop Zone 2 (OANAD Terminology - Basic - 2-Wire + ISDN Option)	EE9E+, EE9F+, B1L++, R1L++	U2Q	2
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop Zone 3 (OANAD Terminology - Basic - 2-Wire + ISDN Option)	EE9E+, EE9F+, B1L++, R1L++	U2Q	3
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop Statewide (OANAD Terminology - Basic - 2-Wire + ISDN Option)	EE9E+, EE9F+, B1L++, R1L++	U2Q	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Loop Digital Zone 1 (OANAD Terminology - Basic - 2-Wire + ISDN Option)	EE9E+, EE9F+, B1L++, R1L++	U3Q	1
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop Zone 2 (OANAD Terminology - Basic - 2-Wire + ISDN Option)	EE9E+, EE9F+, B1L++, R1L++	U3Q	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop Zone 3 (OANAD Terminology - Basic - 2-Wire + ISDN Option)	EE9E+, EE9F+, B1L++, R1L++	U3Q	3
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop Statewide (OANAD Terminology - Basic - 2-Wire + ISDN Option)	EE9E+, EE9F+, B1L++, R1L++	U3Q	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Zone 1 (OANAD Terminology - Digital 1.544 MBPS DS-1)	BDL++, EE7M+	LKC4W	1
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Zone 2 (OANAD Terminology - Digital 1.544 MBPS DS-1)	BDL++, EE7M+	LKC4W	2
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Zone 3 (OANAD Terminology - Digital 1.544 MBPS DS-1)	BDL++, EE7M+	LKC4W	3
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Statewide (OANAD Terminology - Digital 1.544 MBPS DS-1)	BDL++, EE7M+	LKC4W	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PBX Loop Option (in addition to regular 2-Wire loop charges) Zone 1 (OANAD Terminology - PBX Loop Option)	EE7W+, BXL++	LKBRC	1
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PBX Loop Option (in addition to regular 2-Wire loop charges) Zone 2 (OANAD Terminology - PBX Loop Option)	EE7W+, BXL++	LKBRC	2
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PBX Loop Option (in addition to regular 2-Wire loop charges) Zone 3 (OANAD Terminology - PBX Loop Option)	EE7W+, BXL++	LKBRC	3
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PBX Loop Option (in addition to regular 2-Wire loop charges) Statewide (OANAD Terminology - PBX Loop Option)	EE7W+, BXL++	LKBRC	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PBX Loop Option (in addition to regular 2-Wire loop charges) Zone 1 (OANAD Terminology - PBX Loop Option)	EE7W+, BXL++	LKP	1
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PBX Loop Option (in addition to regular 2-Wire loop charges) Zone 2 (OANAD Terminology - PBX Loop Option)	EE7W+, BXL++	LKP	2
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PBX Loop Option (in addition to regular 2-Wire loop charges) Zone 3 (OANAD Terminology - PBX Loop Option)	EE7W+, BXL++	LKP	3
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PBX Loop Option (in addition to regular 2-Wire loop charges) Statewide (OANAD Terminology - PBX Loop Option)	EE7W+, BXL++	LKP	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PBX Loop Option (in addition to regular 2-Wire loop charges) Zone 1 (OANAD Terminology - PBX Loop Option)	EE7W+, BXL++	LKPAA	1
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PBX Loop Option (in addition to regular 2-Wire loop charges) Zone 2 (OANAD Terminology - PBX Loop Option)	EE7W+, BXL++	LKPAA	2
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PBX Loop Option (in addition to regular 2-Wire loop charges) Zone 3 (OANAD Terminology - PBX Loop Option)	EE7W+, BXL++	LKPAA	3
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PBX Loop Option (in addition to regular 2-Wire loop charges) Statewide (OANAD Terminology - PBX Loop Option)	EE7W+, BXL++	LKPAA	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Coin Loop Option (in addition to regular 2-Wire loop charges) Zone 1 (OANAD Terminology - Coin Loop Option)	EE7V+, BNL++	LKDBO	1
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Coin Loop Option (in addition to regular 2-Wire loop charges) Zone 2 (OANAD Terminology - Coin Loop Option)	EE7V+, BNL++	LKDBO	2
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Coin Loop Option (in addition to regular 2-Wire loop charges) Zone 3 (OANAD Terminology - Coin Loop Option)	EE7V+, BNL++	LKDBO	3
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Coin Loop Option (in addition to regular 2-Wire loop charges) Statewide (OANAD Terminology - Coin Loop Option)	EE7V+, BNL++	LKDBO	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Coin Loop Option (in addition to regular 2-Wire loop charges) Zone 1 (OANAD Terminology - Coin Loop Option)	EE7V+, BNL++	LKDTO	1
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Coin Loop Option (in addition to regular 2-Wire loop charges) Zone 2 (OANAD Terminology - Coin Loop Option)	EE7V+, BNL++	LKDTO	2
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Coin Loop Option (in addition to regular 2-Wire loop charges) Zone 3 (OANAD Terminology - Coin Loop Option)	EE7V+, BNL++	LKDTO	3
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Coin Loop Option (in addition to regular 2-Wire loop charges) Statewide (OANAD Terminology - Coin Loop Option)	EE7V+, BNL++	LKDTO	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	ISDN Loop Option (in addition to regular 2-wire loop charges) Zone 1 (OANAD Terminology - ISDN Loop Option)			1
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	ISDN Loop Option (in addition to regular 2-wire loop charges) Zone 2 (OANAD Terminology - ISDN Loop Option)			2
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	ISDN Loop Option (in addition to regular 2-wire loop charges) Zone 3 (OANAD Terminology - ISDN Loop Option)			3
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	ISDN Loop Option (in addition to regular 2-wire loop charges) Statewide (OANAD Terminology - ISDN Loop Option)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Zone 1	ULUC+, EE7P+, EE7Q+	U4D3X	1
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Zone 2	ULUC+, EE7P+, EE7Q+	U4D3X	2
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Zone 3	ULUC+, EE7P+, EE7Q+	U4D3X	3
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Statewide	ULUC+, EE7P+, EE7Q+	U4D3X	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Capable Loop Option - Zone 1 (OANAD Terminology - Basic - 2-Wire + ISDN Option)	DXLXS, DXLXR	1GB++, 1GR++	1
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Capable Loop Option - Zone 2 (OANAD Terminology - Basic - 2-Wire + ISDN Option)	DXLXS, DXLXR	1GB++, 1GR++	2
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Capable Loop Option - Zone 3 (OANAD Terminology - Basic - 2-Wire + ISDN Option)	DXLXS, DXLXR	1GB++, 1GR++	3
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Capable Loop Option - Statewide (OANAD Terminology - Basic - 2-Wire + ISDN Option)	DXLXS, DXLXR	1GB++, 1GR++	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop Zone 1	BP1B+, RP1B+, NS1B+	2SLAX	1
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop Zone 2	BP1B+, RP1B+, NS1B+	2SLAX	2
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop Zone 3	BP1B+, RP1B+, NS1B+	2SLAX	3
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop Statewide	BP1B+, RP1B+, NS1B+	2SLAX	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop Zone 1	BP2X+, RP2X+, NS2X+	2SLBX	1
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop Zone 2	BP2X+, RP2X+, NS2X+	2SLBX	2
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop Zone 3	BP2X+, RP2X+, NS2X+	2SLBX	3
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop Statewide	BP2X+, RP2X+, NS2X+	2SLBX	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop Zone 1	BP3A+, RP3A+, NS3A+	2SLCX	1
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop Zone 2	BP3A+, RP3A+, NS3A+	2SLCX	2
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop Zone 3	BP3A+, RP3A+, NS3A+	2SLCX	3
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop Statewide	BP3A+, RP3A+, NS3A+	2SLCX	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop Zone 1	BP4X+, RP4X+, NS4X+	2SLDX	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop Zone 2	BP4X+, RP4X+, NS4X+	2SLDX	2
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop Zone 3	BP4X+, RP4X+, NS4X+	2SLDX	3
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop Statewide	BP4X+, RP4X+, NS4X+	2SLDX	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop Zone 1	BP5X+, RP5X+, NS5X+	U2F	1
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop Zone 2	BP5X+, RP5X+, NS5X+	U2F	2
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop Zone 3	BP5X+, RP5X+, NS5X+	U2F	3
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop Statewide	BP5X+, RP5X+, NS5X+	U2F	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop Zone 1	BP5X+, RP5X+, NS5X+	2SLFX	1
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop Zone 2	BP5X+, RP5X+, NS5X+	2SLFX	2
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop Zone 3	BP5X+, RP5X+, NS5X+	2SLFX	3
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop Statewide	BP5X+, RP5X+, NS5X+	2SLFX	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop Zone 1	BP3B+, RP3B+, NS3B+	4SL1X	1
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop Zone 2	BP3B+, RP3B+, NS3B+	4SL1X	2
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop Zone 3	BP3B+, RP3B+, NS3B+	4SL1X	3
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop Statewide	BP3B+, RP3B+, NS3B+	4SL1X	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	LST performed on CODSLAM Loop	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	URCLD	
13MR-SL	CA	SUB-LOOPS	LST performed on Sub Loop	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	URCLB	
14	CA	LOOP MODIFICATION	Loop Qualification Process - Mechanized	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NR98U	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	CA	LOOP MODIFICATION	Loop Qualification Process - Manual	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBXU	
14	CA	LOOP MODIFICATION	DSL Conditioning Options - Removal of Repeaters	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBXV	
14	CA	LOOP MODIFICATION	DSL Conditioning Options - Incremental Removal of Repeater (> than 17.5 Kft. same location/same cable)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBNL	
14	CA	LOOP MODIFICATION	DSL Conditioning Options - Incremental Additional Removal of Repeater (> than 17.5 Kft. same location/different cable)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBNP	
14	CA	LOOP MODIFICATION	DSL Conditioning Options - Removal of Bridged Taps and Repeaters	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBXH	
14	CA	LOOP MODIFICATION	DSL Conditioning Options - Incremental Removal of Bridged Taps and Repeaters (> than 17.5Kft. Same location/same cable)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBTV	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	CA	LOOP MODIFICATION	DSL Conditioning Options - Incremental Additional Removal of Bridged Taps and Repeaters (> than 17.5K same location/different cable)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBTW	
14	CA	LOOP MODIFICATION	DSL Conditioning Options - Removal of Bridged Taps	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBXW	
14	CA	LOOP MODIFICATION	DSL Conditioning Options - Incremental Removal of BRIdged Tap (> than 17.5 Kft. same location/same cable)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBNK	
14	CA	LOOP MODIFICATION	DSL Conditioning Options - Incremental Additional Removal of BRIdged Tap (> than 17.5 Kft. same location/different cable)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBNN	
14	CA	LOOP MODIFICATION	DSL Conditioning Options - Removal of Bridged Taps and Load Coils	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBXF	
14	CA	LOOP MODIFICATION	DSL Conditioning Options - Incremental Removal of Load Coil & Bridge Tap (> than 17.5 Kft. same location/same cable)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBM8	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	CA	LOOP MODIFICATION	DSL Conditioning Options - Incremental Additional Removal of Load Coil & Bridge Tap (> 17.5Kft. Same location/different cable)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBM9	
14	CA	LOOP MODIFICATION	DSL Conditioning Options - Removal of Load Coils	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBXZ	
14	CA	LOOP MODIFICATION	DSL Conditioning Options - Incremental Removal of Load Coil (> than 17.5 Kft. same location/same cable)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBNJ	
14	CA	LOOP MODIFICATION	DSL Conditioning Options - Incremental Additional Removal of Load Coil (> than 17.5 Kft. same location/different cable)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBNH	
14	CA	LOOP MODIFICATION	Removal of non-excessive Bridged tap DSL loops >0Kft. And <17.5Kft.		NRMRJ	
14	CA	LOOP MODIFICATION	Removal of All Bridged Tap DSL Loops 12Kft. To 17.5Kft.		NRMRP	
14	CA	LOOP MODIFICATION	Removal of non-excessive Bridged tap DSL loops >17.5Kft DSL Loops - per element incremental		NRMRS	
14	CA	LOOP MODIFICATION	Removal of All Bridged Tap DSL loops >17.5Kft. - per element incremental		NRMRM	
13MR-SL	CA	SUB-LOOPS	ECS to SAI sub-loop - 2-Wire Analog		U6LSA	
13MR-SL	CA	SUB-LOOPS	ECS to SAI sub-loop - 4-Wire Analog		U6LSA	
13MR-SL	CA	SUB-LOOPS	ECS to SAI sub-loop - 2-Wire DSL		U6LSA	
13MR-SL	CA	SUB-LOOPS	ECS to SAI sub-loop - 4-Wire DSL		U6LSA	
13MR-SL	CA	SUB-LOOPS	ECS to Terminal sub-loop - 2-Wire Analog		U6LSB	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	CA	SUB-LOOPS	ECS to Terminal sub-loop - 4-Wire Analog		U6LSB	
13MR-SL	CA	SUB-LOOPS	ECS to Terminal sub-loop - 2-Wire DSL		U6LSB	
13MR-SL	CA	SUB-LOOPS	ECS to Terminal sub-loop - 4-Wire DSL		U6LSB	
13MR-SL	CA	SUB-LOOPS	ECS to NID sub-loop - 2-Wire Analog		U6LSC	
13MR-SL	CA	SUB-LOOPS	ECS to NID sub-loop - 4-Wire Analog		U6LSC	
13MR-SL	CA	SUB-LOOPS	ECS to NID sub-loop - 2-Wire DSL		U6LSC	
13MR-SL	CA	SUB-LOOPS	ECS to NID sub-loop - 4-Wire DSL		U6LSC	
13MR-SL	CA	SUB-LOOPS	SAI to Terminal sub-loop - 2-Wire Analog		U6LSS	
13MR-SL	CA	SUB-LOOPS	SAI to Terminal sub-loop - 4-Wire Analog		U6LSS	
13MR-SL	CA	SUB-LOOPS	SAI to Terminal sub-loop - 2-Wire DSL		U6LSS	
13MR-SL	CA	SUB-LOOPS	SAI to Terminal sub-loop - 4-Wire DSL		U6LSS	
13MR-SL	CA	SUB-LOOPS	SAI to NID sub-loop - 2-Wire Analog		U6LST	
13MR-SL	CA	SUB-LOOPS	SAI to NID sub-loop - 4-Wire Analog		U6LST	
13MR-SL	CA	SUB-LOOPS	SAI to NID sub-loop - 2-Wire DSL		U6LST	
13MR-SL	CA	SUB-LOOPS	SAI to NID sub-loop - 4-Wire DSL		U6LST	
13MR-SL	CA	SUB-LOOPS	Terminal to NID sub-loop - 2-Wire Analog		U6LSU	
13MR-SL	CA	SUB-LOOPS	Terminal to NID sub-loop - 4-Wire Analog		U6LSU	
13MR-SL	CA	SUB-LOOPS	Terminal to NID sub-loop - 2-Wire DSL		U6LSU	
13MR-SL	CA	SUB-LOOPS	Terminal to NID sub-loop - 4-Wire DSL		U6LSU	
13MR-SL	CA	SUB-LOOPS	2-Wire DSL Suboop - Simple - Crossconnects, per line - (MANUAL/FAX)		UCSC1	
13MR-SL	CA	SUB-LOOPS	2-Wire DSL Suboop - Simple - Crossconnects, per line - (CESAR/LEX))		UCSC2	
13MR-SL	CA	SUB-LOOPS	2-Wire DSL Suboop - Simple - Crossconnects, per line - (MECHANIZED)		UCSC3	
13MR-SL	CA	SUB-LOOPS	2-Wire DSL Suboop - Complex - Crossconnects, per line - (MANUAL/FAX)		UCSC4	
13MR-SL	CA	SUB-LOOPS	2-Wire DSL Suboop - Complex - Crossconnects, per line - (CESAR/LEX))		UCSC5	
13MR-SL	CA	SUB-LOOPS	2-Wire DSL Suboop - Complex - Crossconnects, per line - (MECHANIZED)		UCSC6	
13MR-SL	CA	SUB-LOOPS	2-Wire Analog Suboop - Simple - Crossconnects, per line - (MANUAL/FAX)		UCSC1	
13MR-SL	CA	SUB-LOOPS	2-Wire Analog Suboop - Simple - Crossconnects, per line - (CESAR/LEX))		UCSC2	
13MR-SL	CA	SUB-LOOPS	2-Wire Analog Suboop - Simple - Crossconnects, per line - (MECHANIZED)		UCSC3	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	CA	SUB-LOOPS	2-Wire Analog Suboop - Complex - Crossconnects, per line - (MANUAL/FAX)		UCSC4	
13MR-SL	CA	SUB-LOOPS	2-Wire Analog Suboop - Complex - Crossconnects, per line - (CESAR/LEX))		UCSC5	
13MR-SL	CA	SUB-LOOPS	2-Wire Analog Suboop - Complex - Crossconnects, per line - (MECHANIZED)		UCSC6	
13MR-SL	CA	SUB-LOOPS	2-Wire ISDN Suboop - Simple - Crossconnects, per line - (MANUAL/FAX)		UCSC1	
13MR-SL	CA	SUB-LOOPS	2-Wire ISDN Suboop - Simple - Crossconnects, per line - (CESAR/LEX))		UCSC2	
13MR-SL	CA	SUB-LOOPS	2-Wire ISDN Suboop - Simple - Crossconnects, per line - (MECHANIZED)		UCSC3	
13MR-SL	CA	SUB-LOOPS	2-Wire ISDN Suboop - Complex - Crossconnects, per line - (MANUAL/FAX)		UCSC4	
13MR-SL	CA	SUB-LOOPS	2-Wire ISDN Suboop - Complex - Crossconnects, per line - (CESAR/LEX))		UCSC5	
13MR-SL	CA	SUB-LOOPS	2-Wire ISDN Suboop - Complex - Crossconnects, per line - (MECHANIZED)		UCSC6	
13MR-SL	CA	SUB-LOOPS	4-Wire DSL Suboop - Simple - Crossconnects, per line - (MANUAL/FAX)		UCNC1	
13MR-SL	CA	SUB-LOOPS	4-Wire DSL Suboop - Simple - Crossconnects, per line - (CESAR/LEX))		UCNC2	
13MR-SL	CA	SUB-LOOPS	4-Wire DSL Suboop - Simple - Crossconnects, per line - (MECHANIZED)		UCNC3	
13MR-SL	CA	SUB-LOOPS	4-Wire DSL Subloop - Complex - Crossconnects, per line - (MANUAL/FAX)		UCNC4	
13MR-SL	CA	SUB-LOOPS	4-Wire DSL Subloop - Complex - Crossconnects, per line - (CESAR/LEX))		UCNC5	
13MR-SL	CA	SUB-LOOPS	4-Wire DSL Subloop - Complex - Crossconnects, per line - (MECHANIZED)		UCNC6	
13MR-SL	CA	SUB-LOOPS	4-Wire Analog Subloop - Simple - Crossconnects, per line - (MANUAL/FAX)		UCNC1	
13MR-SL	CA	SUB-LOOPS	4-Wire Analog Subloop - Simple - Crossconnects, per line - (CESAR/LEX))		UCNC2	
13MR-SL	CA	SUB-LOOPS	4-Wire Analog Subloop - Simple - Crossconnects, per line - (MECHANIZED)		UCNC3	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	CA	SUB-LOOPS	4-Wire Analog Subloop - Complex - Crossconnects, per line - (MANUAL/FAX)		UCNC4	
13MR-SL	CA	SUB-LOOPS	4-Wire Analog Subloop - Complex - Crossconnects, per line - (CESAR/LEX))		UCNC5	
13MR-SL	CA	SUB-LOOPS	4-Wire Analog Subloop - Complex - Crossconnects, per line - (MECHANIZED)		UCNC6	
13MR-SL	CA	SUB-LOOPS	DS1 Copper Subloop - Simple - Crossconnects, per line - (MANUAL/FAX)		UCNC1	
13MR-SL	CA	SUB-LOOPS	DS1 Copper Subloop - Simple - Crossconnects, per line - (CESAR/LEX))		UCNC2	
13MR-SL	CA	SUB-LOOPS	DS1 Copper Subloop - Simple - Crossconnects, per line - (MECHANIZED)		UCNC3	
13MR-SL	CA	SUB-LOOPS	DS1 Copper Subloop - Complex - Crossconnects, per line - (MANUAL/FAX)		UCNC4	
13MR-SL	CA	SUB-LOOPS	DS1 Copper Subloop - Complex - Crossconnects, per line - (CESAR/LEX))		UCNC5	
13MR-SL	CA	SUB-LOOPS	DS1 Copper Subloop - Complex - Crossconnects, per line - (MECHANIZED)		UCNC6	
13MR-SL	CA	SUB-LOOPS	DS1 Fiber Subloop - Simple - Crossconnects, per line - (MANUAL/FAX)		UCNC1	
13MR-SL	CA	SUB-LOOPS	DS1 Fiber Subloop - Simple - Crossconnects, per line - (CESAR/LEX))		UCNC2	
13MR-SL	CA	SUB-LOOPS	DS1 Fiber Subloop - Simple - Crossconnects, per line - (MECHANIZED)		UCNC3	
13MR-SL	CA	SUB-LOOPS	DS1 Fiber Subloop - Complex - Crossconnects, per line - (MANUAL/FAX)		UCNC4	
13MR-SL	CA	SUB-LOOPS	DS1 Fiber Subloop - Complex - Crossconnects, per line - (CESAR/LEX))		UCNC5	
13MR-SL	CA	SUB-LOOPS	DS1 Fiber Subloop - Complex - Crossconnects, per line - (MECHANIZED)		UCNC6	
13MR-SL	CA	SUB-LOOPS	DS3 SubLoop - Simple - Crossconnects, per line - (MANUAL/FAX)		UCNC1	
13MR-SL	CA	SUB-LOOPS	DS3 SubLoop - Simple - Crossconnects, per line - (CESAR/LEX))		UCNC2	
13MR-SL	CA	SUB-LOOPS	DS3 SubLoop - Simple - Crossconnects, per line - (MECHANIZED)		UCNC3	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	CA	SUB-LOOPS	DS3 Subloop - Complex - Crossconnects, per line - (MANUAL/FAX)		UCNC4	
13MR-SL	CA	SUB-LOOPS	DS3 Subloop - Complex - Crossconnects, per line - (CESAR/LEX)		UCNC5	
13MR-SL	CA	SUB-LOOPS	DS3 Subloop - Complex - Crossconnects, per line - (MECHANIZED)		UCNC6	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS-1 Fixed Mileage (OANAD Terminology - Dedicated Transport Fixed Mileage)	CT1++, EE7M+	1L5UB	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS-1 Variable Mileage (OANAD Terminology - Dedicated Transport Variable Mileage per mile)			
13	CA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS-3 Fixed Mileage (OANAD Terminology - Dedicated Transport DS-3 Fixed Mileage)	CT3++, EE7P+, EE7Q+	1L5UB	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS-3 Variable Mileage (OANAD Terminology - Dedicated Transport DS-3 Variable Mileage per mile)			
13	CA	UNBUNDLED DEDICATED TRANSPORT	MULTIPLEXING - DS-1/DS-0 MUX (OANAD Terminology - DS0/DS1)	CT1++, EE7M+	MQ1UB	
13	CA	UNBUNDLED DEDICATED TRANSPORT	MULTIPLEXING - DS-3/DS-1 MUX (OANAD Terminology - DS1/DS3)	CT3++, EE7P+, EE7Q+	MQ3UB	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber -Interoffice per strand	ULC++	ULY4X	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per foot	ULC++	ULJAA	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per foot	ULC++	ULJAB	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Cross Connect - Interoffice	ULC++	UKCJX	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice Inquiry	ULC++	NR9D6	
13	CA	LOOP MODIFICATION	Routine Modifications to Existing Facilities	EE7T+, EE7U+, EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+, EE9E+, EE9F+, BDL++, EE7M+, ULUC+, EE7P+, EE7Q+, CT1++, EE7M+, CT3++, EE7P+, EE7Q+	N3RUE	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Expanded Interconnection Service Cross Connect (EISCC) - Voice Grade/ISDN - EISCC		CCDSO	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Expanded Interconnection Service Cross Connect (EISCC) - Voice Grade/ISDN - EISCC		AEE1S	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Expanded Interconnection Service Cross Connect (EISCC) - Voice Grade/ISDN - Jack Panel		CCJAP	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Expanded Interconnection Service Cross Connect (EISCC) - DS0 - EISCC		C2CB4	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Expanded Interconnection Service Cross Connect (EISCC) - DS0 - Jack Panel		CCJAP	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Expanded Interconnection Service Cross Connect (EISCC) - DS1 - EISCC		CDS1U	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Expanded Interconnection Service Cross Connect (EISCC) - DS1 - Jack Panel		CDS1U	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Expanded Interconnection Service Cross Connect (EISCC) - DS1 - Repeater		CCJAP	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Expanded Interconnection Service Cross Connect (EISCC) - DS3 - EISCC		CDS3U	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Expanded Interconnection Service Cross Connect (EISCC) - DS3 - Jack Panel		CCJAP	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Expanded Interconnection Service Cross Connect (EISCC) - DS3 - Repeater			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Connect - EISCC - DS0 - Initial (CESAR/LEX - Simple)		XOX15	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Connect - EISCC - DS0 - Initial (CESAR/LEX - Simple)		HOX15	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Connect - EISCC - DS0 - Initial (Mechanized)		MOX15	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Connect - EISCC - DS1 - Initial (CESAR/LEX - Simple)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Connect - EISCC - DS1 - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Connect - EISCC - DS3 - Initial (CESAR/LEX - Simple)		CDS3S	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Connect - EISCC - DS3 - Initial (CESAR/LEX - Simple)		HOX82	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Connect - EISCC - DS3 - Initial (Mechanized)		MOX82	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Connect - Unbundled Service Cross Connect (DS0) - Initial (CESAR/LEX - Simple)	RCL++, L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, B1L++, R1L++, BXL+, BNL++, BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+, BP3B+, RP3B+, NS3B+, L56++	XOX50	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Connect - Unbundled Service Cross Connect (DS0) - Initial (CESAR/LEX - Simple)	RCL++, L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, B1L++, R1L++, BXL+, BNL++, BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+, BP3B+, RP3B+, NS3B+, L56++	HOX50	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Connect - Unbundled Service Cross Connect (DS0) - Initial (Mechanized)	RCL++, L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, B1L++, R1L++, BXL+, BNL++, BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+, BP3B+, RP3B+, NS3B+, L56++	MOX50	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Disconnect - EISCC - DS0 - Initial (CESAR/LEX - Simple)		XOX18	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Disconnect - EISCC - DS0 - Initial (CESAR/LEX - Simple)		HOX18	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Disconnect - EISCC - DS0 - Initial (Mechanized)		MOX18	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Disconnect - EISCC - DS1 - Initial (CESAR/LEX - Simple)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Disconnect - EISCC - DS1 - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Disconnect - EISCC - DS3 - Initial (CESAR/LEX - Simple)		CDS3D	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Disconnect - EISCC - DS3 - Initial (CESAR/LEX - Simple)		HOX96	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Disconnect - EISCC - DS3 - Initial (Mechanized)		MOX96	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Disconnect - Unbundled Service Cross Connect (DS0) - Initial (CESAR/LEX - Simple)	RCL++, L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, B1L++, R1L++, BXL+, BNL++, BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+, BP3B+, RP3B+, NS3B+, L56++	XOX52	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Disconnect - Unbundled Service Cross Connect (DS0) - Initial (CESAR/LEX - Simple)	RCL++, L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, B1L++, R1L++, BXL+, BNL++, BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+, BP3B+, RP3B+, NS3B+, L56++	HOX52	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Disconnect - Unbundled Service Cross Connect (DS0) - Initial (Mechanized)	RCL++, L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, B1L++, R1L++, BXL+, BNL++, BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+, BP3B+, RP3B+, NS3B+, L56++	MOX52	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Change - EISCC - DS0 - Initial (CESAR/LEX - Simple)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Change - EISCC - DS0 - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Change - EISCC - DS1 - Initial (CESAR/LEX - Simple)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Change - EISCC - DS1 - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Change - EISCC - DS3 - Initial (CESAR/LEX - Simple)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Change - EISCC - DS3 - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Change - Unbundled Service Cross Connect (DS0) - Initial (CESAR/LEX - Simple)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Change - Unbundled Service Cross Connect (DS0) - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Record - EISCC - DS0 - Initial (CESAR/LEX - Simple)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Record - EISCC - DS0 - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Record - EISCC - DS1 - Initial (CESAR/LEX - Simple)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Record - EISCC - DS1 - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Record - EISCC - DS3 - Initial (CESAR/LEX - Simple)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Cross Connect - Record - EISCC - DS3 - Initial (Mechanized)			

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Record - Unbundled Service Cross Connect (DS0) - Initial (CESAR/LEX - Simple)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Record - Unbundled Service Cross Connect (DS0) - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Connect - Multiplexing DS1/DS0 (CESAR/LEX - Simple)	CT1++, EE7M+	MQ1UC	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Connect - Multiplexing DS1/DS0 (CESAR/LEX - Simple)	CT1++, EE7M+	HOX91	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Connect - Multiplexing DS1/DS0 (Mechanized)			
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Connect - MultiplexingDS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+	MQ3UC	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Connect - MultiplexingDS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+	HOX91	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Connect - Multiplexing DS3/DS1 (Mechanized)			
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Disconnect - Multiplexing DS1/DS0 (CESAR/LEX - Simple)	CT1++, EE7M+	MQ1UD	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Disconnect - Multiplexing DS1/DS0 (CESAR/LEX - Simple)	CT1++, EE7M+	HOX99	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Disconnect - Multiplexing DS1/DS0 (Mechanized)			
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Disconnect - MultiplexingDS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+	MQ3UD	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Disconnect - MultiplexingDS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+	HOX99	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Disconnect - Multiplexing DS3/DS1 (Mechanized)			
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Change - Multiplexing DS1/DS0 (CESAR/LEX - Simple)			

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Change - Multiplexing DS1/DS0 (Mechanized)			
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Change - Multiplexing DS3/DS1 (CESAR/LEX - Simple)			
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Change - Multiplexing DS3/DS1 (Mechanized)			
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Record - Multiplexing DS1/DS0 (CESAR/LEX - Simple)			
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Record - Multiplexing DS1/DS0 (Mechanized)			
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Record - Multiplexing DS3/DS1 (CESAR/LEX - Simple)			
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Record - Multiplexing DS3/DS1 (Mechanized)			
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Connect - Digital Dedicated Transport DS1 - Initial (Manual/Fax - Complex)	CT1++, EE7M+	HOX88	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Connect - Digital Dedicated Transport DS1 - Initial (CESAR/LEX - Complex)	CT1++, EE7M+	1L5UC	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Connect - Digital Dedicated Transport DS1 - Initial (Mechanized)	CT1++, EE7M+	MOX88	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Connect - Digital Dedicated Transport DS3 - Initial (Manual/Fax - Complex)	CT3++, EE7P+, EE7Q+	HOX88	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Connect - Digital Dedicated Transport DS3 - Initial (CESAR/LEX Complex)	CT3++, EE7P+, EE7Q+	1L5UC	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Connect - Digital Dedicated Transport DS3 - Initial (Mechanized)	CT3++, EE7P+, EE7Q+	MOX88	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Disconnect - Digital Dedicated Transport DS1 - Initial (Manual/Fax - Complex)	CT1++, EE7M+	HOX98	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Disconnect - Digital Dedicated Transport DS1 - Initial (CESAR/LEX - Complex)	CT1++, EE7M+	1L5UD	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Disconnect - Digital Dedicated Transport DS1 - Initial (Mechanized)	CT1++, EE7M+	MOX98	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Disconnect - Digital Dedicated Transport DS3 - Initial (Manual/Fax - Complex)	CT3++, EE7P+, EE7Q+	HOX98	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Disconnect - Digital Dedicated Transport DS3 - Initial (CESAR/LEX Complex)	CT3++, EE7P+, EE7Q+	1L5UD	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Disconnect - Digital Dedicated Transport DS3 - Initial (Mechanized)	CT3++, EE7P+, EE7Q+	MOX98	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Change - Digital Dedicated Transport DS1 - Initial (Manual/Fax - Complex)			
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Change - Digital Dedicated Transport DS1 - Initial (CESAR/LEX - Complex)			

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Change - Digital Dedicated Transport DS1 - Initial (Mechanized)			
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Change - Digital Dedicated Transport DS3 - Initial (Manual/Fax - Complex)			
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Change - Digital Dedicated Transport DS3 - Initial (CESAR/LEX Complex)			
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Change - Digital Dedicated Transport DS3 - Initial (Mechanized)			
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Record - Digital Dedicated Transport DS1 - Initial (Manual/Fax - Complex)	CT1++, EE7M+	HOCH3	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Record - Digital Dedicated Transport DS1 - Initial (CESAR/LEX - Complex)	CT1++, EE7M+	SOCH3	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Record - Digital Dedicated Transport DS1 - Initial (Mechanized)			
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Record - Digital Dedicated Transport DS3 - Initial (Manual/Fax - Complex)	CT3++, EE7P+, EE7Q+	HOCH3	
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Record - Digital Dedicated Transport DS3 - Initial (CESAR/LEX Complex)	CT3++, EE7P+, EE7Q+	SOCH3	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED DEDICATED TRANSPORT	Non Recurring Service Order/Channel Rates - Interoffice Transmission Facilities - (IOF) Dedicated Transport - Record - Digital Dedicated Transport DS3 - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - 4-Wire - Initial (Manual/Fax - Complex)	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L3X++, L32++, L33++, L36++, L4X++, L5X++, L56++, L6X++, L7X++, L8X++, L9X++	HOX55	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - 4-Wire - Initial (CESAR/LEX - Complex)	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L3X++, L32++, L33++, L36++, L4X++, L5X++, L56++, L6X++, L7X++, L8X++, L9X++	XOX55	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - 4-Wire - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - Assured - Initial (Manual/Fax - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	HOX12	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - Assured - Initial (CESAR/LEX - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	XOX12	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - Assured - Initial (Mechanized)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	MOX12	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - Basic - Initial (Manual/Fax - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	HOX08	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - Basic - Initial (CESAR/LEX - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	XOX08	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - Basic - Initial (Mechanized)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	MOX08	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - Digital DS1 Copper - Initial (Manual/Fax - Complex)	BDL++, EE7M+	HOX32	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - Digital DS1 Copper - Initial (CESAR/LEX - Complex)	BDL++, EE7M+	XOX32	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - Digital DS1 Copper - Initial (Mechanized)	BDL++, EE7M+	MOX32	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - Digital DS1 Fiber - Initial (Manual/Fax - Complex)			

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - Digital DS1 Fiber - Initial (CESAR/LEX - Complex)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - Digital DS1 Fiber - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - ISDN Link - Initial (Manual/Fax - Complex)	EE9E+, EE9F+, B1L++, R1L++	HOX32	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - ISDN Link - Initial (CESAR/LEX - Complex)	EE9E+, EE9F+, B1L++, R1L++	XOX32	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - ISDN Link - Initial (Mechanized)	EE9E+, EE9F+, B1L++, R1L++	MOX32	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - PBX Link - Initial (Manual/Fax - Complex)	EE7W+, BXL++	HOXO8	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - PBX Link - Initial (CESAR/LEX - Complex)	EE7W+, BXL++	XOXO8	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - PBX Link - Initial (Mechanized)	EE7W+, BXL++	MOXO8	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - Coin Link - Initial (Manual/Fax - Complex)	EE7V+, BNL++	HOXO8	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - Coin Link - Initial (CESAR/LEX - Complex)	EE7V+, BNL++	XOXO8	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - Coin Link - Initial (Mechanized)	EE7V+, BNL++	MOXO8	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - DS3 Loop - Initial (Manual)	ULUC+, EE7P+, EE7Q+	HOX32	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - DS3 Loop - Initial (CESAR/LEX)	ULUC+, EE7P+, EE7Q+	XOX32	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Connect - DS3 Loop - Initial (Mechanized)	ULUC+, EE7P+, EE7Q+	MOX32	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - 4-Wire - Initial (Manual/Fax - Complex)	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L3X++, L32++, L33++, L36++, L4X++, L5X++, L56++, L6X++, L7X++, L8X++, L9X++	HOX56	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - 4-Wire - Initial (CESAR/LEX - Complex)	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L3X++, L32++, L33++, L36++, L4X++, L5X++, L56++, L6X++, L7X++, L8X++, L9X++	XOX56	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - 4-Wire - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - Assured - Initial (Manual/Fax - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	HOX14	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - Assured - Initial (CESAR/LEX - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	XOX14	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - Assured - Initial (Mechanized)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	MOX14	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - Basic - Initial (Manual/Fax - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	HOX10	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - Basic - Initial (CESAR/LEX - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	XOX10	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - Basic - Initial (Mechanized)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	MOX10	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - Digital DS1 Copper - Initial (Manual/Fax - Complex)	BDL++, EE7M+	HOX34	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - Digital DS1 Copper - Initial (CESAR/LEX - Complex)	BDL++, EE7M+	XOX34	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - Digital DS1 Copper - Initial (Mechanized)	BDL++, EE7M+	MOX34	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - Digital DS1 Fiber - Initial (Manual/Fax - Complex)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - Digital DS1 Fiber - Initial (CESAR/LEX - Complex)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - Digital DS1 Fiber - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - ISDN Link - Initial (Manual/Fax - Complex)	EE9E+, EE9F+, B1L++, R1L++	HOX34	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - ISDN Link - Initial (CESAR/LEX - Complex)	EE9E+, EE9F+, B1L++, R1L++	XOX34	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - ISDN Link - Initial (Mechanized)	EE9E+, EE9F+, B1L++, R1L++	MOX34	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - Pbx Link - Initial (Manual/Fax - Complex)	EE7W+, BXL++	HOX10	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - Pbx Link - Initial (CESAR/LEX - Complex)	EE7W+, BXL++	XOX10	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - Pbx Link - Initial (Mechanized)	EE7W+, BXL++	MOX10	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - Coin Link - Initial (Manual/Fax - Complex)	EE7V+, BNL++	HOX10	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - Coin Link - Initial (CESAR/LEX - Complex)	EE7V+, BNL++	XOX10	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - Coin Link - Initial (Mechanized)	EE7V+, BNL++	MOX10	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - DS3 Loop - Initial (Manual)	ULUC+, EE7P+, EE7Q+	HOX34	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - DS3 Loop - Initial (CESAR/LEX)	ULUC+, EE7P+, EE7Q+	XOX34	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Disconnect - DS3 Loop - Initial (Mechanized)	ULUC+, EE7P+, EE7Q+	MOX34	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - 4-Wire - Initial (Manual/Fax - Complex)	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L3X++, L32++, L33++, L36++, L4X++, L5X++, L56++, L6X++, L7X++, L8X++, L9X++	HOX57	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - 4-Wire - Initial (CESAR/LEX - Complex)	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L3X++, L32++, L33++, L36++, L4X++, L5X++, L56++, L6X++, L7X++, L8X++, L9X++	XOX57	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - 4-Wire - Initial (Mechanized)			

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - Assured - Initial (Manual/Fax - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	HOX13	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - Assured - Initial (CESAR/LEX - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	XOX13	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - Assured - Initial (Mechanized)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	MOX13	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - Basic - Initial (Manual/Fax - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	HOX69	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - Basic - Initial (CESAR/LEX - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	XOX69	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - Basic - Initial (Mechanized)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	MOX69	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - Digital DS1 Copper - Initial (Manual/Fax - Complex)	BDL++, EE7M+	HOX33	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - Digital DS1 Copper - Initial (CESAR/LEX - Complex)	BDL++, EE7M+	XOX33	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - Digital DS1 Copper - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - Digital DS1 Fiber - Initial (Manual/Fax - Complex)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - Digital DS1 Fiber - Initial (CESAR/LEX - Complex)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - Digital DS1 Fiber - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - ISDN Link - Initial (Manual/Fax - Complex)	EE9E+, EE9F+, B1L++, R1L++	HOX33	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - ISDN Link - Initial (CESAR/LEX - Complex)	EE9E+, EE9F+, B1L++, R1L++	XOX33	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - ISDN Link - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - Pbx Link - Initial (Manual/Fax - Complex)	EE7W+, BXL++	HOX33	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - Pbx Link - Initial (CESAR/LEX - Complex)	EE7W+, BXL++	XOX33	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - Pbx Link - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - Coin Link - Initial (Manual/Fax - Complex)	EE7V+, BNL++	HOX33	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - Coin Link - Initial (CESAR/LEX - Complex)	EE7V+, BNL++	XOX33	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - Coin Link - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - DS3 Loop - Initial (Manual)	ULUC+, EE7P+, EE7Q+	HOX33	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - DS3 Loop - Initial (CESAR/LEX)	ULUC+, EE7P+, EE7Q+	XOX33	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Change - DS3 Loop - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - 4-Wire - Initial (Manual/Fax - Complex)	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L3X++, L32++, L33++, L36++, L4X++, L5X++, L56++, L6X++, L7X++, L8X++, L9X++	HOCH7	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - 4-Wire - Initial (CESAR/LEX - Complex)	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L3X++, L32++, L33++, L36++, L4X++, L5X++, L56++, L6X++, L7X++, L8X++, L9X++	SOCH7	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - 4-Wire - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - Assured - Initial (Manual/Fax - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	HOCH2	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - Assured - Initial (CESAR/LEX - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	SOCH2	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - Assured - Initial (Mechanized)			

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - Basic - Initial (Manual/Fax - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	HOCH2	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - Basic - Initial (CESAR/LEX - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, L2X++, L32++, L33++, L36++	SOCH2	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - Basic - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - Digital DS1 Copper - Initial (Manual/Fax - Complex)	BDL++, EE7M+	HOCH2	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - Digital DS1 Copper - Initial (CESAR/LEX - Complex)	BDL++, EE7M+	SOCH2	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - Digital DS1 Copper - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - Digital DS1 Fiber - Initial (Manual/Fax - Complex)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - Digital DS1 Fiber - Initial (CESAR/LEX - Complex)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - Digital DS1 Fiber - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - ISDN Link - Initial (Manual/Fax - Complex)	EE9E+, EE9F+, B1L++, R1L++	HOCH2	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - ISDN Link - Initial (CESAR/LEX - Complex)	EE9E+, EE9F+, B1L++, R1L++	SOCH2	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - ISDN Link - Initial (Mechanized)			

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - Pbx Link - Initial (Manual/Fax - Complex)	EE7W+, BXL++	HOCH2	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - Pbx Link - Initial (CESAR/LEX - Complex)	EE7W+, BXL++	SOCH2	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - Pbx Link - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - Coin Link - Initial (Manual/Fax - Complex)	EE7V+, BNL++	HOCH2	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - Coin Link - Initial (CESAR/LEX - Complex)	EE7V+, BNL++	SOCH2	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - Coin Link - Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - DS3 Loop - Initial (Manual)	ULUC+, EE7P+, EE7Q+	HOCH7	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - DS3 Loop - Initial (CESAR/LEX)	ULUC+, EE7P+, EE7Q+	SOCH7	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Link - Record - DS3 Loop - Initial (Mechanized)			
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Dsl Capable Loops: Connect - 2-Wire Digital Loop ISDN/IDSL - Initial - Manual/Fax - Complex	BP1A+, RP1A+, NS1A+	HOX32	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Dsl Capable Loops: Connect - 2-Wire Digital Loop ISDN/IDSL - Initial - CESAR/LEX - Complex	BP1A+, RP1A+, NS1A+	XOX32	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Connect - 2-Wire Digital Loop ISDN/IDSL - Initial - Mechanized	BP1A+, RP1A+, NS1A+	MOX32	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Connect - PSD #1 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP1B+, RP1B+, NS1B+	HOX32	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Connect - PSD #1 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP1B+, RP1B+, NS1B+	XOX32	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Connect - PSD #1 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP1B+, RP1B+, NS1B+	MOX32	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Connect - PSD #2 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP2X+, RP2X+, NS2X+	HOX32	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Connect - PSD #2 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP2X+, RP2X+, NS2X+	XOX32	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Connect - PSD #2 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP2X+, RP2X+, NS2X+	MOX32	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Connect - PSD #3 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP3A+, RP3A+, NS3A+	HOX32	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Connect - PSD #3 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP3A+, RP3A+, NS3A+	XOX32	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Connect - PSD #3 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP3A+, RP3A+, NS3A+	MOX32	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Connect - PSD #4 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP4X+, RP4X+, NS4X+	HOX32	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Connect - PSD #4 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP4X+, RP4X+, NS4X+	XOX32	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Connect - PSD #4 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP4X+, RP4X+, NS4X+	MOX32	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Connect - PSD #5 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP5X+, RP5X+, NS5X+	HOX32	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Connect - PSD #5 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP5X+, RP5X+, NS5X+	XOX32	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Connect - PSD #5 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP5X+, RP5X+, NS5X+	MOX32	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Connect - PSD #7 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP7X+, RP7X+, NS7X+	HOX32	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Connect - PSD #7 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP7X+, RP7X+, NS7X+	XOX32	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Connect - PSD #7 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP7X+, RP7X+, NS7X+	MOX32	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Connect - PSD #3 - 4-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP3B+, RP3B+, NS3B+	HOX32	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Connect - PSD #3 - 4-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP3B+, RP3B+, NS3B+	XOX32	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Connect - PSD #3 - 4-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP3B+, RP3B+, NS3B+	MOX32	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 2-Wire Digital Loop ISDN/IDSL - Initial - Manual/Fax - Complex	BP1A+, RP1A+, NS1A+	HOX34	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 2-Wire Digital Loop ISDN/IDSL - Initial - CESAR/LEX - Complex	BP1A+, RP1A+, NS1A+	XOX34	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 2-Wire Digital Loop ISDN/IDSL - Initial - Mechanized	BP1A+, RP1A+, NS1A+	MOX34	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 2-Wire xDSL Loop - PSD #1 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP1B+, RP1B+, NS1B+	HOX34	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 2-Wire xDSL Loop - PSD #1 - 2-Wire xDSL Loop - Initial - CESAR/LEX - Complex	BP1B+, RP1B+, NS1B+	XOX34	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 2-Wire xDSL Loop - PSD #1 - 2-Wire xDSL Loop - Initial - Mechanized	BP1B+, RP1B+, NS1B+	MOX34	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 2-Wire xDSL Loop - PSD #2 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP2X+, RP2X+, NS2X+	HOX34	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 2-Wire xDSL Loop - PSD #2 - 2-Wire xDSL Loop - Initial - CESAR/LEX - Complex	BP2X+, RP2X+, NS2X+	XOX34	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 2-Wire xDSL Loop - PSD #2 - 2-Wire xDSL Loop - Initial - Mechanized	BP2X+, RP2X+, NS2X+	MOX34	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 2-Wire xDSL Loop - PSD #3 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP3A+, RP3A+, NS3A+	HOX34	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 2-Wire xDSL Loop - PSD #3 - 2-Wire xDSL Loop - Initial - CESAR/LEX - Complex	BP3A+, RP3A+, NS3A+	XOX34	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 2-Wire xDSL Loop - PSD #3 - 2-Wire xDSL Loop - Initial - Mechanized	BP3A+, RP3A+, NS3A+	MOX34	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 2-Wire xDSL Loop - PSD #4 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP4X+, RP4X+, NS4X+	HOX34	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 2-Wire xDSL Loop - PSD #4 - 2-Wire xDSL Loop - Initial - CESAR/LEX - Complex	BP4X+, RP4X+, NS4X+	XOX34	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 2-Wire xDSL Loop - PSD #4 - 2-Wire xDSL Loop - Initial - Mechanized	BP4X+, RP4X+, NS4X+	MOX34	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 2-Wire xDSL Loop - PSD #5 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP5X+, RP5X+, NS5X+	HOX34	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 2-Wire xDSL Loop - PSD #5 - 2-Wire xDSL Loop - Initial - CESAR/LEX - Complex	BP5X+, RP5X+, NS5X+	XOX34	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 2-Wire xDSL Loop - PSD #5 - 2-Wire xDSL Loop - Initial - Mechanized	BP5X+, RP5X+, NS5X+	MOX34	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 2-Wire xDSL Loop - PSD #7 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP7X+, RP7X+, NS7X+	HOX34	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 2-Wire xDSL Loop - PSD #7 - 2-Wire xDSL Loop - Initial - CESAR/LEX - Complex	BP7X+, RP7X+, NS7X+	XOX34	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 2-Wire xDSL Loop - PSD #7 - 2-Wire xDSL Loop - Initial - Mechanized	BP7X+, RP7X+, NS7X+	MOX34	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 4-Wire xDSL Loop - PSD #3 - 4-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP3B+, RP3B+, NS3B+	HOX34	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 4-Wire xDSL Loop - PSD #3 - 4-Wire xDSL Loop - Initial - CESAR/LEX - Complex	BP3B+, RP3B+, NS3B+	XOX34	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Disconnect - 4-Wire xDSL Loop - PSD #3 - 4-Wire xDSL Loop - Initial - Mechanized	BP3B+, RP3B+, NS3B+	MOX34	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - 2-Wire Digital Loop ISDN/IDSL - Initial - Manual/Fax - Complex	BP1A+, RP1A+, NS1A+	HOX33	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - 2-Wire Digital Loop ISDN/IDSL - Initial - CESAR/LEX - Complex	BP1A+, RP1A+, NS1A+	XOX33	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - 2-Wire Digital Loop ISDN/IDSL - Initial - Mechanized	BP1A+, RP1A+, NS1A+	MOX33	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - PSD #1 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP1B+, RP1B+, NS1B+	HOX33	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - PSD #1 - 2-Wire xDSL Loop - Initial - CESAR/LEX - Complex	BP1B+, RP1B+, NS1B+	XOX33	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - PSD #1 - 2-Wire xDSL Loop - Initial - Mechanized	BP1B+, RP1B+, NS1B+	MOX33	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - PSD #2 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP2X+, RP2X+, NS2X+	HOX33	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - PSD #2 - 2-Wire xDSL Loop - Initial - CESAR/LEX - Complex	BP2X+, RP2X+, NS2X+	XOX33	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - PSD #2 - 2-Wire xDSL Loop - Initial - Mechanized	BP2X+, RP2X+, NS2X+	MOX33	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - PSD #3 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP3A+, RP3A+, NS3A+	HOX33	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - PSD #3 - 2-Wire xDSL Loop - Initial - CESAR/LEX - Complex	BP3A+, RP3A+, NS3A+	XOX33	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - PSD #3 - 2-Wire xDSL Loop - Initial - Mechanized	BP3A+, RP3A+, NS3A+	MOX33	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - PSD #4 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP4X+. RP4X+, NS4X+	HOX33	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - PSD #4 - 2-Wire xDSL Loop - Initial - CESAR/LEX - Complex	BP4X+. RP4X+, NS4X+	XOX33	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - PSD #4 - 2-Wire xDSL Loop - Initial - Mechanized	BP4X+. RP4X+, NS4X+	MOX33	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - PSD #5 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP5X+, RP5X+, NS5X+	HOX33	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - PSD #5 - 2-Wire xDSL Loop - Initial - CESAR/LEX - Complex	BP5X+, RP5X+, NS5X+	XOX33	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - PSD #5 - 2-Wire xDSL Loop - Initial - Mechanized	BP5X+, RP5X+, NS5X+	MOX33	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - PSD #7 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP7X+, RP7X+, NS7X+	HOX33	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - PSD #7 - 2-Wire xDSL Loop - Initial - CESAR/LEX - Complex	BP7X+, RP7X+, NS7X+	XOX33	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - PSD #7 - 2-Wire xDSL Loop - Initial - Mechanized	BP7X+, RP7X+, NS7X+	MOX33	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - PSD #3 - 4-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP3B+, RP3B+, NS3B+	HOX33	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - PSD #3 - 4-Wire xDSL Loop - Initial - CESAR/LEX - Complex	BP3B+, RP3B+, NS3B+	XOX33	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Change - PSD #3 - 4-Wire xDSL Loop - Initial - Mechanized	BP3B+, RP3B+, NS3B+	MOX33	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - 2-Wire Digital Loop ISDN/IDSL - Initial - Manual/Fax - Complex	BP1A+, RP1A+, NS1A+	HOCH2	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - 2-Wire Digital Loop ISDN/IDSL - Initial - CESAR/LEX - Complex	BP1A+, RP1A+, NS1A+	SOCH2	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - 2-Wire Digital Loop ISDN/IDSL - Initial - Mechanized			
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - PSD #1 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP1B+, RP1B+, NS1B+	HOCH2	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - PSD #1 - 2-Wire xDSL Loop - Initial - CESAR/LEX - Complex	BP1B+, RP1B+, NS1B+	SOCH2	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - PSD #1 - 2-Wire xDSL Loop - Initial - Mechanized			
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - PSD #2 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP2X+, RP2X+, NS2X+	HOCH2	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - PSD #2 - 2-Wire xDSL Loop - Initial - CESAR/LEX - Complex	BP2X+, RP2X+, NS2X+	SOCH2	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - PSD #2 - 2-Wire xDSL Loop - Initial - Mechanized			
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - PSD #3 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP3A+, RP3A+, NS3A+	HOCH2	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - PSD #3 - 2-Wire xDSL Loop - Initial - CESAR/LEX - Complex	BP3A+, RP3A+, NS3A+	SOCH2	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - PSD #3 - 2-Wire xDSL Loop - Initial - Mechanized			
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - PSD #4 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP4X+. RP4X+, NS4X+	HOCH2	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - PSD #4 - 2-Wire xDSL Loop - Initial - CESAR/LEX - Complex	BP4X+. RP4X+, NS4X+	SOCH2	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - PSD #4 - 2-Wire xDSL Loop - Initial - Mechanized			
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - PSD #5 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP5X+, RP5X+, NS5X+	HOCH2	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - PSD #5 - 2-Wire xDSL Loop - Initial - CESAR/LEX - Complex	BP5X+, RP5X+, NS5X+	SOCH2	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - PSD #5 - 2-Wire xDSL Loop - Initial - Mechanized			
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - PSD #7 - 2-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP7X+, RP7X+, NS7X+	HOCH2	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - PSD #7 - 2-Wire xDSL Loop - Initial - CESAR/LEX - Complex	BP7X+, RP7X+, NS7X+	SOCH2	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - PSD #7 - 2-Wire xDSL Loop - Initial - Mechanized			
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - PSD #3 - 4-Wire xDSL Loop - Initial - Manual/Fax - Complex	BP3B+, RP3B+, NS3B+	HOCH2	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - PSD #3 - 4-Wire xDSL Loop - Initial - CESAR/LEX - Complex	BP3B+, RP3B+, NS3B+	SOCH2	
14	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - DSL Capable Loops: Record - PSD #3 - 4-Wire xDSL Loop - Initial - Mechanized			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Connect - NID To NID Crossconnect - Simple (Manual/Fax - Simple/Complex)		HSNID	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Connect - NID To NID Crossconnect - Simple (CESAR/LEX - Simple/Complex)		PSNID	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Connect - NID To NID Crossconnect - Simple (Mechanized)			

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Connect - NID To NID Crossconnect - Complex Initial (Manual/Fax - Simple/Complex)		HCNID	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Connect - NID To NID Crossconnect - Complex Initial (CESAR/LEX)		PCNID	
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Connect - NID To NID Crossconnect - Complex Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Disconnect - NID To NID Crossconnect - Simple (Manual/Fax - Simple/Complex)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Disconnect - NID To NID Crossconnect - Simple (CESAR/LEX - Simple/Complex)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Disconnect - NID To NID Crossconnect - Simple (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Disconnect - NID To NID Crossconnect - Complex Initial (Manual/Fax - Simple/Complex)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Disconnect - NID To NID Crossconnect - Complex Initial (CESAR/LEX)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Disconnect - NID To NID Crossconnect - Complex Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Change - NID To NID Crossconnect - Simple (Manual/Fax - Simple/Complex)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Change - NID To NID Crossconnect - Simple (CESAR/LEX - Simple/Complex)			

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Change - NID To NID Crossconnect - Simple (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Change - NID To NID Crossconnect - Complex Initial (Manual/Fax - Simple/Complex)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Change - NID To NID Crossconnect - Complex Initial (CESAR/LEX)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Change - NID To NID Crossconnect - Complex Initial (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Record - NID To NID Crossconnect - Simple (Manual/Fax - Simple/Complex)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Record - NID To NID Crossconnect - Simple (CESAR/LEX - Simple/Complex)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Record - NID To NID Crossconnect - Simple (Mechanized)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Record - NID To NID Crossconnect - Complex Initial (Manual/Fax - Simple/Complex)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Record - NID To NID Crossconnect - Complex Initial (CESAR/LEX)			
13	CA	UNBUNDLED EXCHANGE ACCESS LOOP	Non Recurring Service Order/Channel Rates - Network Interface Device (NID) - Record - NID To NID Crossconnect - Complex Initial (Mechanized)			
13	CA	ADDITIONAL NETWORK ELEMENTS	Master Leg Plug 2-Wire		ABPM2	
13	CA	ADDITIONAL NETWORK ELEMENTS	Master Leg Plug 4-Wire		ABPM4	
13	CA	ADDITIONAL NETWORK ELEMENTS	2-Wire Analog Bridge Plug			
13	CA	ADDITIONAL NETWORK ELEMENTS	4-Wire Analog Bridge Plug			

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	CA	ADDITIONAL NETWORK ELEMENTS	Program Audio Bridge		PAB	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEAL2
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEAL2
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEAL2
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEAL2
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEAL2
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEAL2
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEASL
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEASL
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEASL
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEASL
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEASL
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEASL
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Manual Order Coordination for UVL-SL1s (per loop)	UEANL	UEAMC
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Order Coordination for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1 [DISCONNECT]	UEANL	UREPN
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL1	UEANL	UREPM
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1	UEQ	UEQ2X

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1 [DISCONNECT]	UEQ	UEQ2X
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2	UEQ	UEQ2X
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2 [DISCONNECT]	UEQ	UEQ2X
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3	UEQ	UEQ2X
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3 [DISCONNECT]	UEQ	UEQ2X
14R-CU	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Tag Loop at End User Premise	UEQ	URETL
14R-CU	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic 1st Half Hour	UEQ	URET1
14R-CU	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic Additional Half Hour	UEQ	URETA
15	FL	UNBUNDLED EXCHANGE ACCESS LOOP	Manual Order Coordination 2 Wire Unbundled Copper Loop - Non-Designed (per loop)	UEQ	USBMC
15	FL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND	UEQ	UREPN
15	FL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND [DISCONNECT]	UEQ	UREPN
15	FL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP
15	FL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN
15	FL	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL2	UEA	UREPM
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEA	UEAL4
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEA	UEAL4

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEA	UEAL4
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 1	UDN	U1L2X
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 1 [DISCONNECT]	UDN	U1L2X
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 2	UDN	U1L2X
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 2 [DISCONNECT]	UDN	U1L2X
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 3	UDN	U1L2X
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 3 [DISCONNECT]	UDN	U1L2X
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 1	UAL	UAL2X
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 1 [DISCONNECT]	UAL	UAL2X
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 2	UAL	UAL2X
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 2 [DISCONNECT]	UAL	UAL2X
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 3	UAL	UAL2X
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 3 [DISCONNECT]	UAL	UAL2X
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 1	UAL	UAL2W
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 1 [DISCONNECT]	UAL	UAL2W
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 2	UAL	UAL2W

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 2 [DISCONNECT]	UAL	UAL2W
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 3	UAL	UAL2W
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 3 [DISCONNECT]	UAL	UAL2W
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 1	UHL	UHL2X
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 1 [DISCONNECT]	UHL	UHL2X
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 2	UHL	UHL2X
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 2 [DISCONNECT]	UHL	UHL2X
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 3	UHL	UHL2X
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 3 [DISCONNECT]	UHL	UHL2X
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1	UHL	UHL2W
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UHL	UHL2W
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2	UHL	UHL2W
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UHL	UHL2W
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3	UHL	UHL2W
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UHL	UHL2W
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4 Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 1	UHL	UHL4X
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4 Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UHL	UHL4X

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 2	UHL	UHL4X
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UHL	UHL4X
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 3	UHL	UHL4X
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UHL	UHL4X
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1	UHL	UHL4W
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UHL	UHL4W
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2	UHL	UHL4W
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UHL	UHL4W
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3	UHL	UHL4W
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UHL	UHL4W
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 1	USL	USLXX
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 1 [DISCONNECT]	USL	USLXX
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 2	USL	USLXX
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 2 [DISCONNECT]	USL	USLXX
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 3	USL	USLXX
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 3 [DISCONNECT]	USL	USLXX
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS1)	USL	URES
13	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS1)	USL	URESP
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 1	UCL	UCLPB
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 1 [DISCONNECT]	UCL	UCLPB

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 2	UCL	UCLPB
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 2 [DISCONNECT]	UCL	UCLPB
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 3	UCL	UCLPB
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 3 [DISCONNECT]	UCL	UCLPB
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1	UCL	UCLPW
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UCL	UCLPW
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2	UCL	UCLPW
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UCL	UCLPW
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3	UCL	UCLPW
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UCL	UCLPW
15	FL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Order Coordination for Unbundled Copper Loops (per loop)	UCL	UCLMC
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 1	UCL	UCL4S
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UCL	UCL4S
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 2	UCL	UCL4S
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UCL	UCL4S

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 3	UCL	UCL4S
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UCL	UCL4S
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1	UCL	UCL4W
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UCL	UCL4W
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2	UCL	UCL4W
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UCL	UCL4W
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3	UCL	UCL4W
14	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UCL	UCL4W
15	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop - Order Coordination for Unbundled Copper Loops (per loop)	UCL	UCLMC
15	FL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop - Order Coordination for Specified Conversion Time (per LSR)	UEA, UDN, UAL, UHL, UDL,USL	OCOSL
13	FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2
13	FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAL2
13	FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2
13	FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAL2
13	FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2
13	FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAL2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC
13	FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2
13	FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAR2
13	FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2
13	FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAR2
13	FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2
13	FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAR2
13	FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES L
13	FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP
13	FL	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Loop Tagging - Service Level 2 (SL2)	NTCVG	URETL
13	FL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4
13	FL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	NTCVG	UEAL4
13	FL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4
13	FL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	NTCVG	UEAL4
13	FL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4
13	FL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	NTCVG	UEAL4
13	FL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES L
13	FL	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP
13	FL	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 1	NTCD1	USLXX
13	FL	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 1 [DISCONNECT]	NTCD1	USLXX

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC
13	FL	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 2	NTCD1	USLXX
13	FL	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 2 [DISCONNECT]	NTCD1	USLXX
13	FL	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 3	NTCD1	USLXX
13	FL	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 3 [DISCONNECT]	NTCD1	USLXX
13	FL	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS1)	NTCD1	URESL
13	FL	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS1)	NTCD1	URESP
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 1	NTCUD	UDL2X
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL2X
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 2	NTCUD	UDL2X
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL2X
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 3	NTCUD	UDL2X
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL2X
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 1	NTCUD	UDL4X
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL4X
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 2	NTCUD	UDL4X
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL4X
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 3	NTCUD	UDL4X
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL4X
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 1	NTCUD	UDL9X
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL9X
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 2	NTCUD	UDL9X
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL9X
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 3	NTCUD	UDL9X
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL9X

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 1	NTCUD	UDL19
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL19
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 2	NTCUD	UDL19
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL19
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 3	NTCUD	UDL19
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL19
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 1	NTCUD	UDL56
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL56
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 2	NTCUD	UDL56
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL56
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 3	NTCUD	UDL56
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL56
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 1	NTCUD	UDL64
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL64
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 2	NTCUD	UDL64
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL64
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 3	NTCUD	UDL64
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL64
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 19.2, 56 or 64 Kbps - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCUD	URES
13	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 19.2, 56 or 64 Kbps - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCUD	URESP

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC
15	FL	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 19.2, 56 or 64 Kbps - Order Coordination for Specified Conversion Time (per LSR)	NTCVG, NTCUD, NTCDD1	OCOSL
13	FL	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Basic Time, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTCDD1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULDVX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVBT
13	FL	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Overtime, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTCDD1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULDVX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVOT
13	FL	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Premium, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTCDD1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULDVX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVPT
14	FL	LOOP MODIFICATION	Unbundled Loop Modification, Removal of Load Coils - 2 Wire pair less than or equal to 18k ft, per Unbundled Loop	UAL, UHL, UCL, UEQ, ULS, UEA, UEANL, UEPSR, UEPSB	ULM2L
14	FL	LOOP MODIFICATION	Unbundled Loop Modification Removal of Load Coils - 4 Wire less than or equal to 18K ft, per Unbundled Loop	UHL, UCL, UEA	ULM4L
14	FL	LOOP MODIFICATION	Unbundled Loop Modification Removal of Bridged Tap Removal, per unbundled loop	UAL, UHL, UCL, UEQ, ULS, UEA, UEANL, UEPSR, UEPSB	ULMBT

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC
13MR-SL	FL	SUB-LOOPS	Sub-Loop - Per Cross Box Location - CLEC Feeder Facility Set-Up	UEANL, UEF	USBSA
13MR-SL	FL	SUB-LOOPS	Sub-Loop - Per Cross Box Location - Per 25 Pair Panel Set-Up	UEANL, UEF	USBSB
13MR-SL	FL	SUB-LOOPS	Sub-Loop - Per Building Equipment Room - CLEC Feeder Facility Set-Up	UEANL	USBSC
13MR-SL	FL	SUB-LOOPS	Sub-Loop - Per Building Equipment Room - Per 25 Pair Panel Set-Up	UEANL	USBSD
13MR-SL	FL	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 1	UEANL	USBN2
13MR-SL	FL	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEANL	USBN2
13MR-SL	FL	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 2	UEANL	USBN2
13MR-SL	FL	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEANL	USBN2
13MR-SL	FL	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 3	UEANL	USBN2
13MR-SL	FL	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEANL	USBN2
13	FL	SUB-LOOPS	Order Coordination for Unbundled Sub-Loops, per sub-loop pair	UEANL	USBMC
13MR-SL	FL	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 1	UEANL	USBN4
13MR-SL	FL	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEANL	USBN4
13MR-SL	FL	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 2	UEANL	USBN4
13MR-SL	FL	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEANL	USBN4
13MR-SL	FL	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 3	UEANL	USBN4
13MR-SL	FL	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEANL	USBN4
13MR-SL	FL	SUB-LOOPS	Sub-Loop 2-Wire Intrabuilding Network Cable (INC)	UEANL	USBR2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC
13MR-SL	FL	SUB-LOOPS	Sub-Loop 2-Wire Intrabuilding Network Cable (INC) [DISCONNECT]	UEANL	USBR2
13MR-SL	FL	SUB-LOOPS	Sub-Loop 4-Wire Intrabuilding Network Cable (INC)	UEANL	USBR4
13MR-SL	FL	SUB-LOOPS	Sub-Loop 4-Wire Intrabuilding Network Cable (INC) [DISCONNECT]	UEANL	USBR4
13MR-SL	FL	SUB-LOOPS	Loop Testing - Basic 1st Half Hour	UEANL	URET1
13MR-SL	FL	SUB-LOOPS	Loop Testing - Basic Additional Half Hour	UEANL	URETA
13MR-SL	FL	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 1	UEF	UCS2X
13MR-SL	FL	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 1 [DISCONNECT]	UEF	UCS2X
13MR-SL	FL	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 2	UEF	UCS2X
13MR-SL	FL	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 2 [DISCONNECT]	UEF	UCS2X
13MR-SL	FL	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 3	UEF	UCS2X
13MR-SL	FL	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 3 [DISCONNECT]	UEF	UCS2X
13	FL	SUB-LOOPS	Order Coordination for Unbundled Sub-Loops, per sub-loop pair	UEF	USBMC
13MR-SL	FL	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 1	UEF	UCS4X
13MR-SL	FL	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 1 [DISCONNECT]	UEF	UCS4X
13MR-SL	FL	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 2	UEF	UCS4X
13MR-SL	FL	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 2 [DISCONNECT]	UEF	UCS4X
13MR-SL	FL	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 3	UEF	UCS4X
13MR-SL	FL	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 3 [DISCONNECT]	UEF	UCS4X
13MR-SL	FL	SUB-LOOPS	Loop Tagging Service Level 1, Unbundled Copper Loop, Non-Designed and Distribution Subloops	UEF, UEANL	URETL

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC
13MR-SL	FL	SUB-LOOPS	Loop Testing - Basic 1st Half Hour	UEF	URET1
13MR-SL	FL	SUB-LOOPS	Loop Testing - Basic Additional Half Hour	UEF	URETA
13	FL	SUB-LOOPS	Unbundled Sub-Loop Modification - 2-W Copper Dist Load Coil/Equip Removal per 2-W PR	UEF	ULM2X
13	FL	SUB-LOOPS	Unbundled Sub-loop Modification - 4-W Copper Dist Load Coil/Equip Removal per 4-W PR	UEF	ULM4X
13	FL	SUB-LOOPS	Unbundled Sub-Loop Modification, Removal of Bridge Tap, per unbundled loop	UEF	ULMBT
13MR-SL	FL	SUB-LOOPS	Unbundled Network Terminating Wire (UNTW) per Pair	UENTW	UENPP
13	FL	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-2 lines	UENTW	UND12
13	FL	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-6 lines	UENTW	UND16
13	FL	ADDITIONAL NETWORK ELEMENTS	Network Interface Device Cross Connect - 2 W	UENTW	UNDC2
13	FL	ADDITIONAL NETWORK ELEMENTS	Network Interface Device Cross Connect - 4W	UENTW	UNDC4
13	FL	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled Contact Name, Provisioning Only - no rate	UAL, UCL, UDC, UDL, UDN, UEA, UHL, UEANL, UEF, UEQ, UENTW, NTCVG, NTCUD, NTCD1, USL	UNECN
13	FL	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled DS1 Loop - Superframe Format Option - no rate	USL, NTCD1	CCOSF
13	FL	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled DS1 Loop - Expanded Superframe Format option - no rate	USL, NTCD1	CCOEF
13	FL	UNE OTHER, PROVISIONING ONLY - NO RATE	NID - Dispatch and Service Order for NID installation	UENTW	UNDBX
13MR-SL	FL	UNE OTHER, PROVISIONING ONLY - NO RATE	UNTW Circuit Establishment, Provisioning Only - No Rate	UENTW	UENCE
14	FL	LOOP MAKE-UP	Loop Makeup - Preordering Without Reservation, per working or spare facility queried (Manual).	UMK	UMKLW
14	FL	LOOP MAKE-UP	Loop Makeup - Preordering With Reservation, per spare facility queried (Manual).	UMK	UMKLP
14	FL	LOOP MAKE-UP	Loop Makeup--With or Without Reservation, per working or spare facility queried (Mechanized)	UMK	UMKMQ
14R-LS	FL	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation DLEC owned splitter	UEPSR, UEPSB	UREOS
14R-LS	FL	LINE SPLITTING	End User Ordering - Central Office Based -Line Splitting - per line activation AT&T owned - physical	UEPSR, UEPSB	UREBP

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC
14R-LS	FL	LINE SPLITTING	End User Ordering - Central Office Based -Line Splitting - per line activation AT&T owned - physical [DISCONNECT]	UEPSR, UEPSB	UREBP
14R-LS	FL	LINE SPLITTING	End User Ordering - Central Office Based -Line Splitting - per line activation AT&T owned - virtual	UEPSR, UEPSB	UREBV
14R-LS	FL	LINE SPLITTING	End User Ordering - Central Office Based -Line Splitting - per line activation AT&T owned - virtual [DISCONNECT]	UEPSR, UEPSB	UREBV
14R-LS	FL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1	UEPSR, UEPSB	UEALS
14R-LS	FL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1 [DISCONNECT]	UEPSR, UEPSB	UEALS
14R-LS	FL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1	UEPSR, UEPSB	UEABS
14R-LS	FL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1 [DISCONNECT]	UEPSR, UEPSB	UEABS
14R-LS	FL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2	UEPSR, UEPSB	UEALS
14R-LS	FL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2 [DISCONNECT]	UEPSR, UEPSB	UEALS

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC
14R-LS	FL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2	UEPSR, UEPSB	UEABS
14R-LS	FL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2 [DISCONNECT]	UEPSR, UEPSB	UEABS
14R-LS	FL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3	UEPSR, UEPSB	UEALS
14R-LS	FL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3 [DISCONNECT]	UEPSR, UEPSB	UEALS
14R-LS	FL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3	UEPSR, UEPSB	UEABS
14R-LS	FL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3 [DISCONNECT]	UEPSR, UEPSB	UEABS
14R-LS	FL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - Physical Collocation-2 Wire Cross Connects (Loop) for Line Splitting	UEPSR, UEPSB	PE1LS
14R-LS	FL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - Physical Collocation-2 Wire Cross Connects (Loop) for Line Splitting [DISCONNECT]	UEPSR, UEPSB	PE1LS
14R-LS	FL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - Virtual Collocation-2 Wire Cross Connects (Loop) for Line Splitting	UEPSR, UEPSB	VE1LS

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC
14R-LS	FL	LINE SPLITTING	End User Ordering - Remote Site Line Splitting - Unbundled Exchange Access Loop - Virtual Collocation- 2 Wire Cross Connects (Loop) for Line Splitting [DISCONNECT]	UEPSR, UEPSB	VE1LS
13	FL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX
13	FL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1
13	FL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination [DISCONNECT]	U1TD1	U1TF1
13	FL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX
13	FL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3
13	FL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination [DISCONNECT]	U1TD3	U1TF3
13	FL	UNBUNDLED DEDICATED TRANSPORT	Stand Alone or in Combination - Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof	UDF	1L5DF
13	FL	UNBUNDLED DEDICATED TRANSPORT	Stand Alone or in Combination - Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof	UDF	UDF14
13	FL	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - per mile	UE3	1L5ND
13	FL	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination	UE3	UE3PX
13	FL	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination [DISCONNECT]	UE3	UE3PX
13	FL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1	UNCVX	UEAL4
13	FL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1 [DISCONNECT]	UNCVX	UEAL4
13	FL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2	UNCVX	UEAL4
13	FL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2 [DISCONNECT]	UNCVX	UEAL4
13	FL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3	UNCVX	UEAL4

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC
13	FL	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3 [DISCONNECT]	UNCVX	UEAL4
13	FL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX
13	FL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1 [DISCONNECT]	UNC1X	USLXX
13	FL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX
13	FL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2 [DISCONNECT]	UNC1X	USLXX
13	FL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX
13	FL	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3 [DISCONNECT]	UNC1X	USLXX
13	FL	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND
13	FL	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX
13	FL	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination [DISCONNECT]	UNC3X	UE3PX
13	FL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX
13	FL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination	UNC1X	U1TF1
13	FL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination [DISCONNECT]	UNC1X	U1TF1
13	FL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX
13	FL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination	UNC3X	U1TF3
13	FL	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination [DISCONNECT]	UNC3X	U1TF3
13	FL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Extended Frame Option - per DS1	U1TD1, UNC1X	CCOEF
13	FL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Super FrameOption - per DS1	U1TD1, UNC1X	CCOSF
13	FL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability (SF/ESF) Option - Subsequent Activity - per DS1	U1TD1, UNC1X, USL	NRCCC
13	FL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability (SF/ESF) Option - Subsequent Activity - per DS1 [DISCONNECT]	U1TD1, UNC1X, USL	NRCCC

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC
13	FL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: C-bit Parity Option - Subsequent Activity - per DS3	U1TD3, UE3, UNC3X	NRCC3
13	FL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: C-bit Parity Option - Subsequent Activity - per DS3 [DISCONNECT]	U1TD3, UE3, UNC3X	NRCC3
13	FL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1/DS0 Channel System	UNC1X	MQ1
13	FL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1/DS0 Channel System [DISCONNECT]	UNC1X	MQ1
13	FL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS3/DS1Channel System	UNC3X	MQ3
13	FL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS3/DS1Channel System [DISCONNECT]	UNC3X	MQ3
13	FL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Voice Grade COCI in combination	UNCVX	1D1VG
13	FL	ADDITIONAL NETWORK ELEMENTS	Voice Grade COCI - for 2W-SL2 & 4W Voice Grade Local Loop	UEA	1D1VG
13	FL	ADDITIONAL NETWORK ELEMENTS	Voice Grade COCI - for 2W-SL2 & 4W Voice Grade Local Loop [DISCONNECT]	UEA	1D1VG
13	FL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI in combination	UNC1X	UC1D1
13	FL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI in combination [DISCONNECT]	UNC1X	UC1D1
13	FL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI - for Stand Alone Interoffice Channel	U1TD1	UC1D1
13	FL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI - for Stand Alone Interoffice Channel [DISCONNECT]	U1TD1	UC1D1
13	FL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI - for DS1 Local Loop	USL, NTC1	UC1D1
13	FL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI - for DS1 Local Loop [DISCONNECT]	USL, NTC1	UC1D1
13	FL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Wholesale - UNE, Switch-As-Is Conversion Charge	UNCVX, UNC1X, UNC3X, XDH1X, HFQC6, XDD2X, XDV6X	UNCCC
13	FL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Unbundled Misc Rate Element, SNE SAI, Single Network Element - Switch As Is Non-recurring Charge, per circuit (LSR)	U1TVX, U1TD3, UDF, UE3	URES1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC
13	FL	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Unbundled Misc Rate Element, SNE SAI, Single Network Element - Switch As Is Non-recurring Charge, incremental charge per circuit on a spreadsheet	U1TVX, U1TD3, UDF, UE3	URESP
13	FL	ADDITIONAL NETWORK ELEMENTS	Service Rearrangements - NRC - Order Coordination Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR
13	FL	COMMINGLING	Commingled VG COCI	XDV2X	1D1VG
13	FL	COMMINGLING	Commingled VG COCI [DISCONNECT]	XDV2X	1D1VG
13	FL	COMMINGLING	Commingled 4-wire Local Loop Zone 1	XDV6X	UEAL4
13	FL	COMMINGLING	Commingled 4-wire Local Loop Zone 1 [DISCONNECT]	XDV6X	UEAL4
13	FL	COMMINGLING	Commingled 4-wire Local Loop Zone 2	XDV6X	UEAL4
13	FL	COMMINGLING	Commingled 4-wire Local Loop Zone 2 [DISCONNECT]	XDV6X	UEAL4
13	FL	COMMINGLING	Commingled 4-wire Local Loop Zone 3	XDV6X	UEAL4
13	FL	COMMINGLING	Commingled 4-wire Local Loop Zone 3 [DISCONNECT]	XDV6X	UEAL4
13	FL	COMMINGLING	Commingled DS1 COCI	XDH1X	UC1D1
13	FL	COMMINGLING	Commingled DS1 COCI [DISCONNECT]	XDH1X	UC1D1
13	FL	COMMINGLING	Commingled DS1 Interoffice Channel	XDH1X	U1TF1
13	FL	COMMINGLING	Commingled DS1 Interoffice Channel [DISCONNECT]	XDH1X	U1TF1
13	FL	COMMINGLING	Commingled DS1 Interoffice Channel Mileage	XDH1X	1L5XX
13	FL	COMMINGLING	Commingled DS1/DS0 Channel System	XDH1X	MQ1
13	FL	COMMINGLING	Commingled DS1/DS0 Channel System [DISCONNECT]	XDH1X	MQ1
13	FL	COMMINGLING	Commingled DS1 Local Loop Zone 1	XDH1X	USLXX
13	FL	COMMINGLING	Commingled DS1 Local Loop Zone 1 [DISCONNECT]	XDH1X	USLXX
13	FL	COMMINGLING	Commingled DS1 Local Loop Zone 2	XDH1X	USLXX
13	FL	COMMINGLING	Commingled DS1 Local Loop Zone 2 [DISCONNECT]	XDH1X	USLXX
13	FL	COMMINGLING	Commingled DS1 Local Loop Zone 3	XDH1X	USLXX
13	FL	COMMINGLING	Commingled DS1 Local Loop Zone 3 [DISCONNECT]	XDH1X	USLXX
13	FL	COMMINGLING	Commingled DS3 Local Loop	HFQC6	UE3PX
13	FL	COMMINGLING	Commingled DS3 Local Loop [DISCONNECT]	HFQC6	UE3PX
13	FL	COMMINGLING	Commingled DS3/DS1 Channel System	HFQC6	MQ3
13	FL	COMMINGLING	Commingled DS3/DS1 Channel System [DISCONNECT]	HFQC6	MQ3
13	FL	COMMINGLING	Commingled DS3 Interoffice Channel	HFQC6	U1TF3
13	FL	COMMINGLING	Commingled DS3 Interoffice Channel [DISCONNECT]	HFQC6	U1TF3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC
13	FL	COMMINGLING	Commingled DS3 Interoffice Channel Mileage	HFQC6	1L5XX
13	FL	COMMINGLING	UNE to Commingled Conversion Tracking	XDH1X, HFQC6	CMGUN
13	FL	COMMINGLING	UNE to Commingled Conversion Tracking [DISCONNECT]	XDH1X, HFQC6	CMGUN
13	FL	COMMINGLING	SPA to Commingled Conversion Tracking	XDH1X, HFQC6	CMGSP
13	FL	COMMINGLING	SPA to Commingled Conversion Tracking [DISCONNECT]	XDH1X, HFQC6	CMGSP

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEAL2	1
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEAL2	1
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEAL2	2
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEAL2	2
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEAL2	3
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEAL2	3
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEASL	1
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEASL	1
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEASL	2
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEASL	2
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEASL	3
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEASL	3
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Loop Testing - Basic Additional Half Hour	UEANL	URETA	
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Manual Order Coordiantion for UVL-SL1s (per loop)	UEANL	UEAMC	
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Manual Order Coordiantion for UVL-SL1s (per loop) [DISCONNECT]	UEANL	UEAMC	
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Order Coordination for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1 [DISCONNECT]	UEANL	UREPN	
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL1	UEANL	UREPM	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop Non-Designed- Zone 1	UEQ	UEQ2X	1
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop Non-Designed- Zone 2	UEQ	UEQ2X	2
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3	UEQ	UEQ2X	3
14R-CU	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Tag Loop at End User Premise	UEQ	URETL	
14R-CU	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Basic 1st Half Hour	UEQ	URET1	
14R-CU	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic Additional Half Hour	UEQ	URETA	
15	GA	UNBUNDLED EXCHANGE ACCESS LOOP	Manual Order Coordination 2 Wire Unbundled Copper Loop - Non-Designed (per loop)	UEQ	USBMC	
15	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Bulk Migration, per 2 Wire Voice Loop-SL1	UEQ	UREPN	
15	GA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
15	GA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN	
15	GA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL2	UEA	UREPM	
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEA	UEAL4	1
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEA	UEAL4	2
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEA	UEAL4	3
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 1	UDN	U1L2X	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 1 [DISCONNECT]	UDN	U1L2X	1
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 2	UDN	U1L2X	2
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 2 [DISCONNECT]	UDN	U1L2X	2
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 3	UDN	U1L2X	3
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 3 [DISCONNECT]	UDN	U1L2X	3
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 1	UAL	UAL2X	1
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 1 [DISCONNECT]	UAL	UAL2X	1
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 2	UAL	UAL2X	2
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 2 [DISCONNECT]	UAL	UAL2X	2
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 3	UAL	UAL2X	3
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 3 [DISCONNECT]	UAL	UAL2X	3
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 1	UAL	UAL2W	1
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 1 [DISCONNECT]	UAL	UAL2W	1
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 2	UAL	UAL2W	2
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 2 [DISCONNECT]	UAL	UAL2W	2
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 3	UAL	UAL2W	3
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 3 [DISCONNECT]	UAL	UAL2W	3
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 1	UHL	UHL2X	1
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 1 [DISCONNECT]	UHL	UHL2X	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 2	UHL	UHL2X	2
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 2 [DISCONNECT]	UHL	UHL2X	2
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 3	UHL	UHL2X	3
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 3 [DISCONNECT]	UHL	UHL2X	3
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1	UHL	UHL2W	1
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UHL	UHL2W	1
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2	UHL	UHL2W	2
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UHL	UHL2W	2
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3	UHL	UHL2W	3
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UHL	UHL2W	3
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4 Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 1	UHL	UHL4X	1
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4 Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UHL	UHL4X	1
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 2	UHL	UHL4X	2
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UHL	UHL4X	2
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 3	UHL	UHL4X	3
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UHL	UHL4X	3
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1	UHL	UHL4W	1
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UHL	UHL4W	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2	UHL	UHL4W	2
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UHL	UHL4W	2
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3	UHL	UHL4W	3
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UHL	UHL4W	3
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 1	USL	USLXX	1
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 1 [DISCONNECT]	USL	USLXX	1
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 2	USL	USLXX	2
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 2 [DISCONNECT]	USL	USLXX	2
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 3	USL	USLXX	3
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 3 [DISCONNECT]	USL	USLXX	3
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS1)	USL	URES	
13	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS1)	USL	URESP	
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 1	UCL	UCLPB	1
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 1 [DISCONNECT]	UCL	UCLPB	1
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 2	UCL	UCLPB	2
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 2 [DISCONNECT]	UCL	UCLPB	2
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 3	UCL	UCLPB	3
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 3 [DISCONNECT]	UCL	UCLPB	3
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1	UCL	UCLPW	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UCL	UCLPW	1
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2	UCL	UCLPW	2
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UCL	UCLPW	2
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3	UCL	UCLPW	3
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UCL	UCLPW	3
15	GA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Order Coordination for Unbundled Copper Loops (per loop)	UCL	UCLMC	
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 1	UCL	UCL4S	1
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UCL	UCL4S	1
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 2	UCL	UCL4S	2
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UCL	UCL4S	2
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 3	UCL	UCL4S	3
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UCL	UCL4S	3
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1	UCL	UCL4W	1
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UCL	UCL4W	1
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2	UCL	UCL4W	2
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UCL	UCL4W	2
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3	UCL	UCL4W	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UCL	UCL4W	3
15	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Order Coordination for Unbundled Copper Loops (per loop)	UCL	UCLMC	
15	GA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop - Order Coordination for Specified Conversion Time (per LSR)	UEA, UDN, UAL, UHL, UDL, USL	OCOSL	
13	GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
13	GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAL2	1
13	GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2	2
13	GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAL2	2
13	GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3
13	GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAL2	3
13	GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1
13	GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAR2	1
13	GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2
13	GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAR2	2
13	GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3
13	GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAR2	3
13	GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
13	GA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Loop Tagging - Service Level 2 (SL2)	NTCVG	URETL	
13	GA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
13	GA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	NTCVG	UEAL4	1
13	GA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
13	GA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	NTCVG	UEAL4	2
13	GA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
13	GA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	NTCVG	UEAL4	3
13	GA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES	
13	GA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
13	GA	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 1	NTCD1	USLXX	1
13	GA	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 1 [DISCONNECT]	NTCD1	USLXX	1
13	GA	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 2	NTCD1	USLXX	2
13	GA	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 2 [DISCONNECT]	NTCD1	USLXX	2
13	GA	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 3	NTCD1	USLXX	3
13	GA	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 3 [DISCONNECT]	NTCD1	USLXX	3
13	GA	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS1)	NTCD1	URES	
13	GA	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS1)	NTCD1	URESP	
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 1	NTCUD	UDL2X	1
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL2X	1
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 2	NTCUD	UDL2X	2
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL2X	2
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 3	NTCUD	UDL2X	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL2X	3
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 1	NTCUD	UDL4X	1
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL4X	1
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 2	NTCUD	UDL4X	2
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL4X	2
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 3	NTCUD	UDL4X	3
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL4X	3
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 1	NTCUD	UDL9X	1
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL9X	1
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 2	NTCUD	UDL9X	2
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL9X	2
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 3	NTCUD	UDL9X	3
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL9X	3
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 1	NTCUD	UDL19	1
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL19	1
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 2	NTCUD	UDL19	2
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL19	2
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 3	NTCUD	UDL19	3
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL19	3
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 1	NTCUD	UDL56	1
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL56	1
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 2	NTCUD	UDL56	2
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL56	2
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 3	NTCUD	UDL56	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL56	3
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 1	NTCUD	UDL64	1
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL64	1
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 2	NTCUD	UDL64	2
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL64	2
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 3	NTCUD	UDL64	3
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL64	3
13	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 19.2, 56 or 64 Kbps - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCUD	URES	
13	GA	UNE LOOP COMMINGLING	Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCUD	URESP	
15	GA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 19.2, 56 or 64 Kbps - Order Coordination for Specified Conversion Time (per LSR)	NTCVG, NTCUD, NTCD1	OCOSL	
13	GA	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Basic Time, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTCD1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULDVX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVB	
13	GA	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Overtime, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTCD1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULDVX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVOT	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	GA	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Premium, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTC1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULVDX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVPT	
14	GA	LOOP MODIFICATION	Unbundled Loop Modification, Removal of Load Coils - 2 Wire pair less than or equal to 18k ft, per Unbundled Loop	UAL, UHL, UCL, UEQ, ULS, UEA, UEANL, UEPSR, UEPSB	ULM2L	
14	GA	LOOP MODIFICATION	Unbundled Loop Modification Removal of Load Coils - 4 Wire less than or equal to 18K ft, per Unbundled Loop	UHL, UCL, UEA	ULM4L	
14	GA	LOOP MODIFICATION	Unbundled Loop Modification Removal of Bridged Tap Removal, per Unbundled Loop	UAL, UHL, UCL, UEQ, ULS, UEA, UEANL, UEPSR, UEPSB	ULMBT	
13MR-SL	GA	SUB-LOOPS	Sub-Loop - Per Cross Box Location - CLEC Feeder Facility Set-Up	UEANL, UEF	USBSA	
13MR-SL	GA	SUB-LOOPS	Sub-Loop - Per Cross Box Location - Per 25 Pair Panel Set-Up	UEANL, UEF	USBSB	
13MR-SL	GA	SUB-LOOPS	Sub-Loop - Per Building Equipment Room - CLEC Feeder Facility Set-Up	UEANL	USBSC	
13MR-SL	GA	SUB-LOOPS	Sub-Loop - Per Building Equipment Room - Per 25 Pair Panel Set-Up	UEANL	USBSD	
13MR-SL	GA	SUB-LOOPS	Unbundled Sub-Loops, Riser Cable, 2-Wire per Loop, Working and Spare Loop Activation	UEANL	USBRC	
13MR-SL	GA	SUB-LOOPS	Unbundled Sub-Loops, Riser Cable, 2-Wire per Loop, Working and Spare Loop Activation [DISCONNECT]	UEANL	USBRC	
13MR-SL	GA	SUB-LOOPS	Unbundled Sub-Loops, Riser Cable, 4-Wire per Loop, Working and Spare Loop Activation	UEANL	USBRD	
13MR-SL	GA	SUB-LOOPS	Unbundled Sub-Loops, Riser Cable, 4-Wire per Loop, Working and Spare Loop Activation [DISCONNECT]	UEANL	USBRD	
13MR-SL	GA	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 1	UEANL	USBN2	1
13MR-SL	GA	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEANL	USBN2	1
13MR-SL	GA	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 2	UEANL	USBN2	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	GA	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEANL	USBN2	2
13MR-SL	GA	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 3	UEANL	USBN2	3
13MR-SL	GA	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEANL	USBN2	3
13MR-SL	GA	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 1	UEANL	USBN4	1
13MR-SL	GA	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEANL	USBN4	1
13MR-SL	GA	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 2	UEANL	USBN4	2
13MR-SL	GA	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEANL	USBN4	2
13MR-SL	GA	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 3	UEANL	USBN4	3
13MR-SL	GA	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEANL	USBN4	3
13	GA	SUB-LOOPS	Order Coordination for Unbundled Sub-Loops, per sub-loop pair	UEANL	USBMC	
13MR-SL	GA	SUB-LOOPS	Sub-Loop 2-Wire Intrabuilding Network Cable (INC)	UEANL	USBR2	
13MR-SL	GA	SUB-LOOPS	Sub-Loop 2-Wire Intrabuilding Network Cable (INC) [DISCONNECT]	UEANL	USBR2	
13MR-SL	GA	SUB-LOOPS	Sub-Loop 4-Wire Intrabuilding Network Cable (INC)	UEANL	USBR4	
13MR-SL	GA	SUB-LOOPS	Sub-Loop 4-Wire Intrabuilding Network Cable (INC) [DISCONNECT]	UEANL	USBR4	
13MR-SL	GA	SUB-LOOPS	Loop Testing - Basic 1st Half Hour	UEANL	URET1	
13MR-SL	GA	SUB-LOOPS	Loop Testing - Basic Additional Half Hour	UEANL	URETA	
13MR-SL	GA	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 1	UEF	UCS2X	1
13MR-SL	GA	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 1 [DISCONNECT]	UEF	UCS2X	1
13MR-SL	GA	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 2	UEF	UCS2X	2
13MR-SL	GA	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 2 [DISCONNECT]	UEF	UCS2X	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	GA	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 3	UEF	UCS2X	3
13MR-SL	GA	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 3 [DISCONNECT]	UEF	UCS2X	3
13	GA	SUB-LOOPS	Order Coordination for Unbundled Sub-Loops, per sub-loop pair	UEF	USBMC	
13MR-SL	GA	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 1	UEF	UCS4X	1
13MR-SL	GA	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 1 [DISCONNECT]	UEF	UCS4X	1
13MR-SL	GA	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 2	UEF	UCS4X	2
13MR-SL	GA	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 2 [DISCONNECT]	UEF	UCS4X	2
13MR-SL	GA	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 3	UEF	UCS4X	3
13MR-SL	GA	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 3 [DISCONNECT]	UEF	UCS4X	3
13MR-SL	GA	SUB-LOOPS	Loop tagging Service Level 1, Unbundled Copper Loop, Non-Designed and Distribution Subloops	UEF, UEANL	URETL	
13MR-SL	GA	SUB-LOOPS	Loop Testing - Basic 1st Half Hour	UEF	URET1	
13MR-SL	GA	SUB-LOOPS	Loop Testing - Basic Additional Half Hour	UEF	URETA	
13	GA	SUB-LOOPS	Unbundled Sub-Loop Modification - 2-W Copper Dist Load Coil/Equip Removal per 2-W PR	UEF	ULM2X	
13	GA	SUB-LOOPS	Unbundled Sub-loop Modification - 4-W Copper Dist Load Coil/Equip Removal per 4-W PR	UEF	ULM4X	
13	GA	SUB-LOOPS	Unbundled Sub-Loop Modification, Removal of bridge Tap, per unbundled loop	UEF	ULMBT	
13MR-SL	GA	SUB-LOOPS	Unbundled Network Terminating Wire (UNTW) per Pair	UENTW	UENPP	
13	GA	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-2 lines	UENTW	UND12	
13	GA	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-6 lines	UENTW	UND16	
13	GA	ADDITIONAL NETWORK ELEMENTS	Network Interface Device Cross Connect - 2 W	UENTW	UNDC2	
13	GA	ADDITIONAL NETWORK ELEMENTS	Network Interface Device Cross Connect - 4W	UENTW	UNDC4	
13	GA	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled Contact Name, Provisioning Only - no rate	UAL, UCL, UDC, UDL, UDN, UEA, UHL, UEANL, UEF, UEQ, UENTW, NTCVG, NTCUD, NTCDD1, USL,	UNECN	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	GA	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled DS1 Loop - Superframe Format Option - no rate	USL, NTCD1	CCOSF	
13	GA	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled DS1 Loop - Expanded Superframe Format option - no rate	USL, NTCD1	CCOEF	
13	GA	UNE OTHER, PROVISIONING ONLY - NO RATE	NID - Dispatch and Service Order for NID installation	UENTW	UNDBX	
13MR-SL	GA	UNE OTHER, PROVISIONING ONLY - NO RATE	UNTW Circuit Establishment, Provisioning Only - No Rate	UENTW	UENCE	
14	GA	LOOP MAKE-UP	Loop Makeup - Preordering Without Reservation, per working or spare facility queried (Manual).	UMK	UMKLW	
14	GA	LOOP MAKE-UP	Loop Makeup - Preordering With Reservation, per spare facility queried (Manual).	UMK	UMKLP	
14	GA	LOOP MAKE-UP	Loop Makeup--With or Without Reservation, per working or spare facility queried (Mechanized)	UMK	UMKMQ	
14R-LS	GA	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation DLEC owned splitter	UEPSR, UEPSB	UREOS	
14R-LS	GA	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation AT&T owned - physical	UEPSR, UEPSB	UREBP	
14R-LS	GA	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation AT&T owned - physical [DISCONNECT]	UEPSR, UEPSB	UREBP	
14R-LS	GA	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation AT&T owned - virtual	UEPSR, UEPSB	UREBV	
14R-LS	GA	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation AT&T owned - virtual [DISCONNECT]	UEPSR, UEPSB	UREBV	
14R-LS	GA	LINE SPLITTING	End User Ordering - Remote Site Shared Loop Line Activation for End Users - CLEC Owned Splitter	UEPSR, UEPSB	URERS	
14R-LS	GA	LINE SPLITTING	End User Ordering - Remote Site Shared Loop Line Activation for End Users - CLEC Owned Splitter [DISCONNECT]	UEPSR, UEPSB	URERS	
14R-LS	GA	LINE SPLITTING	End User Ordering - Remote Site Shared Loop - Subsequent Activity - CLEC Owned Splitter	UEPSR, UEPSB	URERA	
14R-LS	GA	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 1	UEPSR, UEPSB	UEARS	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14R-LS	GA	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 1 [DISCONNECT]	UEPSR, UEPSB	UEARS	1
14R-LS	GA	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 2	UEPSR, UEPSB	UEARS	2
14R-LS	GA	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 2 [DISCONNECT]	UEPSR, UEPSB	UEARS	2
14R-LS	GA	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 3	UEPSR, UEPSB	UEARS	3
14R-LS	GA	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 3 [DISCONNECT]	UEPSR, UEPSB	UEARS	3
14R-LS	GA	LINE SPLITTING	Unbundled Exchange Access Loop - UNE Loop - 2-Wire Voice Grade Loop (SL1) for Line Splitting - Zone 1	UEPSR, UEPSB	UEALS	1
14R-LS	GA	LINE SPLITTING	Unbundled Exchange Access Loop - UNE Loop - 2-Wire Voice Grade Loop (SL1) for Line Splitting - Zone 1 [DISCONNECT]	UEPSR, UEPSB	UEALS	1
14R-LS	GA	LINE SPLITTING	Unbundled Exchange Access Loop - UNE Loop - 2-Wire Voice Grade Loop (SL1) for Line Splitting - Zone 1	UEPSR, UEPSB	UEABS	1
14R-LS	GA	LINE SPLITTING	Unbundled Exchange Access Loop - UNE Loop - 2-Wire Voice Grade Loop (SL1) for Line Splitting - Zone 1 [DISCONNECT]	UEPSR, UEPSB	UEABS	1
14R-LS	GA	LINE SPLITTING	Unbundled Exchange Access Loop - UNE Loop - 2-Wire Voice Grade Loop (SL1) for Line Splitting - Zone 2	UEPSR, UEPSB	UEALS	2
14R-LS	GA	LINE SPLITTING	Unbundled Exchange Access Loop - UNE Loop - 2-Wire Voice Grade Loop (SL1) for Line Splitting - Zone 2 [DISCONNECT]	UEPSR, UEPSB	UEALS	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14R-LS	GA	LINE SPLITTING	Unbundled Exchange Access Loop - UNE Loop - 2-Wire Voice Grade Loop (SL1) for Line Splitting - Zone 2	UEPSR, UEPSB	UEABS	2
14R-LS	GA	LINE SPLITTING	Unbundled Exchange Access Loop - UNE Loop - 2-Wire Voice Grade Loop (SL1) for Line Splitting - Zone 2 [DISCONNECT]	UEPSR, UEPSB	UEABS	2
14R-LS	GA	LINE SPLITTING	Unbundled Exchange Access Loop - UNE Loop - 2-Wire Voice Grade Loop (SL1)for Line Splitting - Zone 3	UEPSR, UEPSB	UEALS	3
14R-LS	GA	LINE SPLITTING	Unbundled Exchange Access Loop - UNE Loop - 2-Wire Voice Grade Loop (SL1)for Line Splitting - Zone 3 [DISCONNECT]	UEPSR, UEPSB	UEALS	3
14R-LS	GA	LINE SPLITTING	Unbundled Exchange Access Loop - UNE Loop - 2-Wire Voice Grade Loop (SL1)for Line Splitting - Zone 3	UEPSR, UEPSB	UEABS	3
14R-LS	GA	LINE SPLITTING	Unbundled Exchange Access Loop - UNE Loop - 2-Wire Voice Grade Loop (SL1)for Line Splitting - Zone 3 [DISCONNECT]	UEPSR, UEPSB	UEABS	3
14R-LS	GA	LINE SPLITTING	Unbundled Exchange Access Loop - Physical Collocation-2 Wire Cross Connects (Loop) for Line Splitting	UEPSR, UEPSB	PE1LS	
14R-LS	GA	LINE SPLITTING	Unbundled Exchange Access Loop - Virtual Collocation-2 Wire Cross Connects (Loop) for Line Splitting	UEPSR, UEPSB	VE1LS	
14R-LS	GA	LINE SPLITTING	Unbundled Exchange Access Loop - Virtual Collocation-2 Wire Cross Connects (Loop) for Line Splitting [DISCONNECT]	UEPSR, UEPSB	VE1LS	
13	GA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	
13	GA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1	
13	GA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination [DISCONNECT]	U1TD1	U1TF1	
13	GA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
13	GA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
13	GA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination [DISCONNECT]	U1TD3	U1TF3	
13	GA	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof	UDF	1L5DF	
13	GA	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof	UDF	UDF14	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	GA	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof [DISCONNECT]	UDF	UDF14	
13	GA	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - per mile	UE3	1L5ND	
13	GA	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone -DS3 Unbundled Local Loop - Facility Termination	UE3	UE3PX	
13	GA	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone -DS3 Unbundled Local Loop - Facility Termination [DISCONNECT]	UE3	UE3PX	
13	GA	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1	UNCVX	UEAL4	1
13	GA	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1 [DISCONNECT]	UNCVX	UEAL4	1
13	GA	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2	UNCVX	UEAL4	2
13	GA	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2 [DISCONNECT]	UNCVX	UEAL4	2
13	GA	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3	UNCVX	UEAL4	3
13	GA	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3 [DISCONNECT]	UNCVX	UEAL4	3
13	GA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1
13	GA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1 [DISCONNECT]	UNC1X	USLXX	1
13	GA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
13	GA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2 [DISCONNECT]	UNC1X	USLXX	2
13	GA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3
13	GA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3 [DISCONNECT]	UNC1X	USLXX	3
13	GA	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
13	GA	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
13	GA	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination [DISCONNECT]	UNC3X	UE3PX	
13	GA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
13	GA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination	UNC1X	U1TF1	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	GA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination [DISCONNECT]	UNC1X	U1TF1	
13	GA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
13	GA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination	UNC3X	U1TF3	
13	GA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination [DISCONNECT]	UNC3X	U1TF3	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Extended Frame Option - per DS1	U1TD1, UNC1X	CCOEF	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Super FrameOption - per DS1	U1TD1, UNC1X	CCOSF	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability (SF/ESF) Option - Subsequent Activity - per DS1	U1TD1, UNC1X, USL	NRCCC	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability (SF/ESF) Option - Subsequent Activity - per DS1 [DISCONNECT]	U1TD1, UNC1X, USL	NRCCC	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: C-bit Parity Option - Subsequent Activity - per DS3	U1TD3, UE3, UNC3X	NRCC3	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: C-bit Parity Option - Subsequent Activity - per DS3 [DISCONNECT]	U1TD3, UE3, UNC3X	NRCC3	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1/DS0 Channel System	UNC1X	MQ1	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1/DS0 Channel System [DISCONNECT]	UNC1X	MQ1	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS3/DS1Channel System	UNC3X	MQ3	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS3/DS1Channel System [DISCONNECT]	UNC3X	MQ3	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Voice Grade COCI in combination	UNCVX	1D1VG	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Voice Grade COCI in combination [DISCONNECT]	UNCVX	1D1VG	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Voice Grade COCI - for 2W-SL2 & 4W Voice Grade Local Loop	UEA	1D1VG	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Voice Grade COCI - for 2W-SL2 & 4W Voice Grade Local Loop [DISCONNECT]	UEA	1D1VG	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI in combination	UNC1X	UC1D1	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI in combination [DISCONNECT]	UNC1X	UC1D1	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI - for Stand Alone Interoffice Channel	U1TD1	UC1D1	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI - for Stand Alone Interoffice Channel [DISCONNECT]	U1TD1	UC1D1	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI - for DS1 Local Loop	USL, NTCD1	UC1D1	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI - for DS1 Local Loop [DISCONNECT]	USL, NTCD1	UC1D1	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Wholesale - UNE, Switch-As-Is Conversion Charge	UNCVX, UNC1X, UNC3X, XDH1X, HFQC6, XDD2X, XDV6X	UNCCC	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Wholesale - UNE, Switch-As-Is Conversion Charge [DISCONNECT]	UNCVX, UNC1X, UNC3X, XDH1X, HFQC6, XDD2X, XDV6X	UNCCC	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Unbundled Misc Rate Element, SNE SAI, Single Network Element - Switch As Is Non-recurring Charge, per circuit (LSR)	U1TVX, U1TD3, UDF, UE3	URES	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Unbundled Misc Rate Element, SNE SAI, Single Network Element - Switch As Is Non-recurring Charge, per circuit (LSR) [DISCONNECT]	U1TVX, U1TD3, UDF, UE3	URES	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Unbundled Misc Rate Element, SNE SAI, Single Network Element - Switch As Is Non-recurring Charge, incremental charge per circuit on a spreadsheet	U1TVX, U1TD3, UDF, UE3	URESP	
13	GA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Unbundled Misc Rate Element, SNE SAI, Single Network Element - Switch As Is Non-recurring Charge, incremental charge per circuit on a spreadsheet [DISCONNECT]	U1TVX, U1TD3, UDF, UE3	URESP	
13	GA	ADDITIONAL NETWORK ELEMENTS	Service Rearrangements - NRC - Order Coordination Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	GA	COMMINGLING	Commingling Authorization	UNCVX, UNC1X, UNC3X, U1TD3, UE3, U1TVX	CMGAU	
13	GA	COMMINGLING	Commingling Authorization [DISCONNECT]	UNCVX, UNC1X, UNC3X, U1TD3, UE3, U1TVX	CMGAU	
13	GA	COMMINGLING	Commingled VG COCI	XDV2X	1D1VG	
13	GA	COMMINGLING	Commingled VG COCI [DISCONNECT]	XDV2X	1D1VG	
13	GA	COMMINGLING	Commingled 4-wire Local Loop Zone 1	XDV6X	UEAL4	1
13	GA	COMMINGLING	Commingled 4-wire Local Loop Zone 1 [DISCONNECT]	XDV6X	UEAL4	1
13	GA	COMMINGLING	Commingled 4-wire Local Loop Zone 2	XDV6X	UEAL4	2
13	GA	COMMINGLING	Commingled 4-wire Local Loop Zone 2 [DISCONNECT]	XDV6X	UEAL4	2
13	GA	COMMINGLING	Commingled 4-wire Local Loop Zone 3	XDV6X	UEAL4	3
13	GA	COMMINGLING	Commingled 4-wire Local Loop Zone 3 [DISCONNECT]	XDV6X	UEAL4	3
13	GA	COMMINGLING	Commingled DS1 COCI	XDH1X	UC1D1	
13	GA	COMMINGLING	Commingled DS1 COCI [DISCONNECT]	XDH1X	UC1D1	
13	GA	COMMINGLING	Commingled DS1 Interoffice Channel	XDH1X	U1TF1	
13	GA	COMMINGLING	Commingled DS1 Interoffice Channel [DISCONNECT]	XDH1X	U1TF1	
13	GA	COMMINGLING	Commingled DS1 Interoffice Channel Mileage	XDH1X	1L5XX	
13	GA	COMMINGLING	Commingled DS1/DS0 Channel System	XDH1X	MQ1	
13	GA	COMMINGLING	Commingled DS1/DS0 Channel System [DISCONNECT]	XDH1X	MQ1	
13	GA	COMMINGLING	Commingled DS1 Local Loop Zone 1	XDH1X	USLXX	1
13	GA	COMMINGLING	Commingled DS1 Local Loop Zone 1 [DISCONNECT]	XDH1X	USLXX	1
13	GA	COMMINGLING	Commingled DS1 Local Loop Zone 2	XDH1X	USLXX	2
13	GA	COMMINGLING	Commingled DS1 Local Loop Zone 2 [DISCONNECT]	XDH1X	USLXX	2
13	GA	COMMINGLING	Commingled DS1 Local Loop Zone 3	XDH1X	USLXX	3
13	GA	COMMINGLING	Commingled DS1 Local Loop Zone 3 [DISCONNECT]	XDH1X	USLXX	3
13	GA	COMMINGLING	Commingled DS3 Local Loop	HFQC6	UE3PX	
13	GA	COMMINGLING	Commingled DS3 Local Loop [DISCONNECT]	HFQC6	UE3PX	
13	GA	COMMINGLING	Commingled DS3/DS1 Channel System	HFQC6	MQ3	
13	GA	COMMINGLING	Commingled DS3/DS1 Channel System [DISCONNECT]	HFQC6	MQ3	
13	GA	COMMINGLING	Commingled DS3 Interoffice Channel	HFQC6	U1TF3	
13	GA	COMMINGLING	Commingled DS3 Interoffice Channel [DISCONNECT]	HFQC6	U1TF3	
13	GA	COMMINGLING	Commingled DS3 Interoffice Channel Mileage	HFQC6	1L5XX	
13	GA	COMMINGLING	UNE to Commingled Conversion Tracking	XDH1X, HFQC6	CMGUN	
13	GA	COMMINGLING	UNE to Commingled Conversion Tracking [DISCONNECT]	XDH1X, HFQC6	CMGUN	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	GA	COMMINGLING	SPA to Commingled Conversion Tracking	XDH1X, HFQC6	CMGSP	
13	GA	COMMINGLING	SPA to Commingled Conversion Tracking [DISCONNECT]	XDH1X, HFQC6	CMGSP	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop -Rural (Access Area C)	MUJ++, EE7JX, UOB++, UOR++	U2HXC	C
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Suburban (Access Area B)	MUJ++, EE7JX, UOB++, UOR++	U2HXB	B
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Metro (Access Area A)	MUJ++, EE7JX, UOB++, UOR++	U2HXA	A
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start Loop, Analog/Reverse Battery-Rural(Access Area C)	MUJ++, EE7JX, UOB++, UOR++	U2WXC	C
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start Loop, Analog/Reverse Battery-Suburban(Access Area B)	MUJ++, EE7JX, UOB++, UOR++	U2WXB	B
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start Loop, analog/Reverse Battery-Metro(Access Area A)	MUJ++, EE7JX, UOB++, UOR++	U2WXA	A
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start Loop, PBX-Rural (Access Area C)	MUJ++, EE7JX, UOB++, UOR++	U2JXC	C
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start Loop, PBX-Suburban (Access Area B)	MUJ++, EE7JX, UOB++, UOR++	U2JXB	B
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start Loop, PBX-Metro (Access Area A)	MUJ++, EE7JX, UOB++, UOR++	U2JXA	A
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin Loop-Rural (Access Area C)	MUJ++, UOB++, UOR++	U2CXC	C
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin Loop-Suburban (Access Area B)	MUJ++, UOB++, UOR++	U2CXB	B
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin Loop-Metro (Access Area A)	MUJ++, UOB++, UOR++	U2CXA	A
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Rural (Access Area C)	MUJ++, UOB++, UOR++	U2KXC	C
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Suburban (Access Area B)	MUJ++, UOB++, UOR++	U2KXB	B
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Metro (Access Area A)	MUJ++, UOB++, UOR++	U2KXA	A
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Rural (Access Area C)	MUJ++, EE7KX, UOB++, UOR++	U4HXC	C
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Suburban (Access Area B)	MUJ++, EE7KX, UOB++, UOR++	U4HXB	B
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Metro Access Area A)	MUJ++, EE7KX, UOB++, UOR++	U4HXA	A
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop - Rural (Access Area C)	MUJ++, EE7LX, UOB++, UOR++	U2QXC	C
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop - Suburban (Access Area B)	MUJ++, EE7LX, UOB++, UOR++	U2QXB	B
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop - Metro (Access Area A)	MUJ++, EE7LX, UOB++, UOR++	U2QXA	A
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop - Rural (Access Area C)	MUJ++, EE7MX, UOB++, UOR++	4U1XC	C
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop - Suburban (Access Area B)	MUJ++, EE7MX, UOB++, UOR++	4U1XB	B
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop - Metro (Access Area A)	MUJ++, EE7MX, UOB++, UOR++	4U1XA	A
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Rural (Access Area C)	MUJ++, EE7MX, UOB++, UOR++	U4D3C	C
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Suburban (Access Area B)	MUJ++, EE7MX, UOB++, UOR++	U4D3B	B

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Metro (Access Area A)	MUJ++, EE7MX, UOB++, UOR++	U4D3A	A
14	IL	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop Access Area C- Rural	MUJ++, UOB++, UOR++	2SLA3	C
14	IL	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop Access Area B- Suburban	MUJ++, UOB++, UOR++	2SLA2	B
14	IL	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop Access Area A- Metro	MUJ++, UOB++, UOR++	2SLA1	A
14	IL	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop Access Area C- Rural	MUJ++, UOB++, UOR++	2SLC3	C
14	IL	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop Access Area B- Suburban	MUJ++, UOB++, UOR++	2SLC2	B
14	IL	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop Access Area A- Metro	MUJ++, UOB++, UOR++	2SLC1	A
14	IL	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop Access Area C- Rural	MUJ++, UOB++, UOR++	2SLB3	C
14	IL	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop Access Area B- Suburban	MUJ++, UOB++, UOR++	2SLB2	B
14	IL	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop Access Area A- Metro	MUJ++, UOB++, UOR++	2SLB1	A
14	IL	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop Access Area C- Rural	MUJ++, UOB++, UOR++	2SLD3	C
14	IL	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop Access Area B- Suburban	MUJ++, UOB++, UOR++	2SLD2	B
14	IL	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop Access Area A- Metro	MUJ++, UOB++, UOR++	2SLD1	A
14	IL	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop Access Area C- Rural	MUJ++, UOB++, UOR++	UWRA3	C
14	IL	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop Access Area B- Suburban	MUJ++, UOB++, UOR++	UWRA2	B
14	IL	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop Access Area A- Metro	MUJ++, UOB++, UOR++	UWRA1	A
14	IL	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop Access Area C- Rural	MUJ++, UOB++, UOR++	2SLF3	C
14	IL	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop Access Area B- Suburban	MUJ++, UOB++, UOR++	2SLF2	B
14	IL	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop Access Area A- Metro	MUJ++, UOB++, UOR++	2SLF1	A
14	IL	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop Access Area C- Rural	MUJ++, UOB++, UOR++	4SL13	C
14	IL	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop Access Area B- Suburban	MUJ++, UOB++, UOR++	4SL12	B
14	IL	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop Access Area A- Metro	MUJ++, UOB++, UOR++	4SL11	A
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Loop Access Area C - Rural	MUJ++, UOB++, UOR++	UY5FC	C
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Loop Access Area B - Suburban	MUJ++, UOB++, UOR++	UY5FB	B
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Loop Access Area A - Metro	MUJ++, UOB++, UOR++	UY5FA	A
14	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Line & Station Transfer(LST) performed on CODSLAM Loop	MUJ++, UOB++, UOR++	URCLD	
13MR-SL	IL	SUB-LOOPS	Line & Station Transfer(LST) performed on Sub Loop	MUJ++, UOB++, UOR++	URCLB	
14	IL	LOOP MAKE-UP	Loop Qualification Process - Mechanized	MUJ++, UOB++, UOR++	NR98U	
14	IL	LOOP MAKE-UP	Loop Qualification Process - Manual	MUJ++, UOB++, UOR++	NRBXU	
14	IL	LOOP MODIFICATION	DSL Conditioning Options - >12KFT and < 17.5KFT Removal of Repeater Options - per element	MUJ++, UOB++, UOR++	NRBXV	
14	IL	LOOP MODIFICATION	Removal Excessive Bridged Tap Option - per element	MUJ++, UOB++, UOR++	NRBXW	
14	IL	LOOP MODIFICATION	DSL Conditioning Options - >12KFT and < 17.5KFT Removal of Load Coil - per element	MUJ++, UOB++, UOR++	NRBXZ	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	IL	LOOP MODIFICATION	DSL Conditioning Options - >17.5KFT in addition to the rates for > 12KFT and < 17.5KFT per element Removal of Repeater Options - per element	MUJ++, UOB++, UOR++	NRBNL	
14	IL	LOOP MODIFICATION	DSL Conditioning Options - >17.5KFT in addition to the rates for > 12KFT and < 17.5KFT per element Removal Excessive Bridged Tap Option - per element	MUJ++, UOB++, UOR++	NRBNK	
14	IL	LOOP MODIFICATION	Removal of Load Coil - per element	MUJ++, UOB++, UOR++	NRBNJ	
14	IL	LOOP MODIFICATION	Removal of non-excessive bridged tap DSL loops >0Kft. And <17.5Kft.	MUJ++, UOB++, UOR++	NRMRJ	
14	IL	LOOP MODIFICATION	Removal of All Bridged Tap DSL Loops 12Kft. To 17.5Kft.	MUJ++, UOB++, UOR++	NRMRP	
14	IL	LOOP MODIFICATION	Removal of non-excessive bridged tap DSL loops >17.5Kft DSL Loops - per element incremental	MUJ++, UOB++, UOR++	NRMRS	
14	IL	LOOP MODIFICATION	Removal of All Bridged Tap DSL loops >17.5Kft. - per element incremental	MUJ++, UOB++, UOR++	NRMRM	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges - Service Ordering Charge - Analog Loops - Intitial - Per Occasion (Connect + Disconnect Service Order - Initial (Connect))	MUJ++, EE7JX, EE7KX, EE7LX, UOB++, UOR++	SEPUP	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges - Service Ordering Charge - Analog Loops - Intitial - Per Occasion (Connect + Disconnect) Service Order - (Disconnect)	MUJ++, UOB++, UOR++	NKCG6	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges - Service Ordering Charge - Analog Loops - Subsequent - Per Occasion	MUJ++, EE7JX, EE7KX, EE7LX, UOB++, UOR++	REAH9	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges - Service Ordering Charge - Analog Loops - Record Work Only - Per Occasion	MUJ++, EE7JX, EE7KX, EE7LX, UOB++, UOR++	NR9UP	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges - Line Connection (Initial)	MUJ++, EE7JX, EE7KX, EE7LX, UOB++, UOR++	SEPUC	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges - Line Connection (Additional)	MUJ++, EE7JX, EE7KX, EE7LX, UOB++, UOR++	1CRG7	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges - Line Connection (Disconnect-Initial)	MUJ++, EE7JX, EE7KX, EE7LX, UOB++, UOR++	NKCG7	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges - Line Connection (Disconnect-Additional)	MUJ++, EE7JX, EE7KX, EE7LX, UOB++, UOR++	NKCG5	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges - Service Ordering -(DS1) - Administrative Charge (Connect)	MUJ++, EE7MX, UOB++, UOR++	NR90R	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges - Service Ordering -(DS1) - Administrative Charge (Disconnect)	MUJ++, EE7MX, UOB++, UOR++	NR9OT	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges-(DS1) Connection Initial	MUJ++, EE7MX, UOB++, UOR++	1CRG1	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges Service Provisioning - (DS1) Connection Additional	MUJ++, EE7MX, UOB++, UOR++	1CRG2	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges Service Provisioning - (DS1) Disconnection Initial	MUJ++, EE7MX, UOB++, UOR++	NKCG1	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges-Service Ordering-DS1) Disconnection Additional	MUJ++, EE7MX, UOB++, UOR++	NKCG2	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges - Service Provisioning (DS3) - Administrative Charge Connection Initial	MUJ++, EE7NX, UOB++, UOR++	NR9OY	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges - Service Provisioning (DS3) - Administrative Charge Connection Additional	MUJ++, EE7NX, UOB++, UOR++	NR9OZ	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges - Service Provisioning DS3 Connection Initial	MUJ++, EE7NX, UOB++, UOR++	1CRG3	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges - Service Provisioning DS3 Connection Additional	MUJ++, EE7NX, UOB++, UOR++	1CRG4	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges - Service Provisioning DS3 Disconnection Initial	MUJ++, EE7NX, UOB++, UOR++	NKCG3	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges - Service Provisioning DS3 Disconnection Additional	MUJ++, EE7NX, UOB++, UOR++	NKCG4	
13MR-SL	IL	SUB-LOOPS	ECS to SAI 2 Wire Analog - area A	XHG++, XGG++	U7SPA	A
13MR-SL	IL	SUB-LOOPS	ECS to SAI 2 Wire Analog - area B	XHG++, XGG++	U7SPB	B
13MR-SL	IL	SUB-LOOPS	ECS to SAI 2 Wire Analog - area C	XHG++, XGG++	U7SPC	C
13MR-SL	IL	SUB-LOOPS	ECS to SAI 4 Wire Analog - area A	XHK++, XGK++	U7SPA	A
13MR-SL	IL	SUB-LOOPS	ECS to SAI 4 Wire Analog - area B	XHK++, XGK++	U7SPB	B
13MR-SL	IL	SUB-LOOPS	ECS to SAI 4 Wire Analog - area C	XHK++, XGK++	U7SPC	C
13MR-SL	IL	SUB-LOOPS	ECS to SAI 2 Wire DSL - area A	XHW++, XGW++	U7SPA	A
13MR-SL	IL	SUB-LOOPS	ECS to SAI 2 Wire DSL - area B	XHW++, XGW++	U7SPB	B
13MR-SL	IL	SUB-LOOPS	ECS to SAI 2 Wire DSL - area C	XHW++, XGW++	U7SPC	C
13MR-SL	IL	SUB-LOOPS	ECS to SAI 4 Wire DSL - area A	XHY++, XGY++	U7SPA	A
13MR-SL	IL	SUB-LOOPS	ECS to SAI 4 Wire DSL - area B	XHY++, XGY++	U7SPB	B
13MR-SL	IL	SUB-LOOPS	ECS to SAI 4 Wire DSL - area C	XHY++, XGY++	U7SPC	C
13MR-SL	IL	SUB-LOOPS	ECS to Terminal 2 Wire Analog - area A	XHG++, XGG++	U7SQA	A
13MR-SL	IL	SUB-LOOPS	ECS to Terminal 2 Wire Analog - area B	XHG++, XGG++	U7SQB	B
13MR-SL	IL	SUB-LOOPS	ECS to Terminal 2 Wire Analog - area C	XHG++, XGG++	U7SQC	C

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	IL	SUB-LOOPS	ECS to Terminal 4 Wire Analog - area A	XHK++, XGK++	U7SQA	A
13MR-SL	IL	SUB-LOOPS	ECS to Terminal 4 Wire Analog - area B	XHK++, XGK++	U7SQB	B
13MR-SL	IL	SUB-LOOPS	ECS to Terminal 4 Wire Analog - area C	XHK++, XGK++	U7SQC	C
13MR-SL	IL	SUB-LOOPS	ECS to Terminal 2 Wire DSL - area A	XHW++, XGW++	U7SQA	A
13MR-SL	IL	SUB-LOOPS	ECS to Terminal 2 Wire DSL - area B	XHW++, XGW++	U7SQB	B
13MR-SL	IL	SUB-LOOPS	ECS to Terminal 2 Wire DSL - area C	XHW++, XGW++	U7SQC	C
13MR-SL	IL	SUB-LOOPS	ECS to Terminal 4 Wire DSL - area A	XHY++, XGY++	U7SQA	A
13MR-SL	IL	SUB-LOOPS	ECS to Terminal 4 Wire DSL - area B	XHY++, XGY++	U7SQB	B
13MR-SL	IL	SUB-LOOPS	ECS to Terminal 4 Wire DSL - area C	XHY++, XGY++	U7SQC	C
13MR-SL	IL	SUB-LOOPS	ECS to NID 2 Wire Analog - area A	XHG++, XGG++	U7SRA	A
13MR-SL	IL	SUB-LOOPS	ECS to NID 2 Wire Analog - area B	XHG++, XGG++	U7SRB	B
13MR-SL	IL	SUB-LOOPS	ECS to NID 2 Wire Analog - area C	XHG++, XGG++	U7SRC	C
13MR-SL	IL	SUB-LOOPS	ECS to NID 4 Wire Analog - area A	XHK++, XGK++	U7SRA	A
13MR-SL	IL	SUB-LOOPS	ECS to NID 4 Wire Analog - area B	XHK++, XGK++	U7SRB	B
13MR-SL	IL	SUB-LOOPS	ECS to NID 4 Wire Analog - area C	XHK++, XGK++	U7SRC	C
13MR-SL	IL	SUB-LOOPS	ECS to NID 2 Wire DSL - area A	XHW++, XGW++	U7SRA	A
13MR-SL	IL	SUB-LOOPS	ECS to NID 2 Wire DSL - area B	XHW++, XGW++	U7SRB	B
13MR-SL	IL	SUB-LOOPS	ECS to NID 2 Wire DSL - area C	XHW++, XGW++	U7SRC	C
13MR-SL	IL	SUB-LOOPS	ECS to NID 4 Wire DSL - area A	XHY++, XGY++	U7SRA	A
13MR-SL	IL	SUB-LOOPS	ECS to NID 4 Wire DSL - area B	XHY++, XGY++	U7SRB	B
13MR-SL	IL	SUB-LOOPS	ECS to NID 4 Wire DSL - area C	XHY++, XGY++	U7SRC	C
13MR-SL	IL	SUB-LOOPS	SAI to Terminal 2 Wire Analog - area A	XHG++, XGG++	U7SSA	A
13MR-SL	IL	SUB-LOOPS	SAI to Terminal 2 Wire Analog - area B	XHG++, XGG++	U7SSB	B
13MR-SL	IL	SUB-LOOPS	SAI to Terminal 2 Wire Analog - area C	XHG++, XGG++	U7SSC	C
13MR-SL	IL	SUB-LOOPS	SAI to Terminal 4 Wire Analog - area A	XHK++, XGK++	U7SSA	A
13MR-SL	IL	SUB-LOOPS	SAI to Terminal 4 Wire Analog - area B	XHK++, XGK++	U7SSB	B
13MR-SL	IL	SUB-LOOPS	SAI to Terminal 4 Wire Analog - area C	XHK++, XGK++	U7SSC	C
13MR-SL	IL	SUB-LOOPS	SAI to Terminal 2 Wire DSL - area A	XHW++, XGW++	U7SSA	A
13MR-SL	IL	SUB-LOOPS	SAI to Terminal 2 Wire DSL - area B	XHW++, XGW++	U7SSB	B
13MR-SL	IL	SUB-LOOPS	SAI to Terminal 2 Wire DSL - area C	XHW++, XGW++	U7SSC	C
13MR-SL	IL	SUB-LOOPS	SAI to Terminal 4 Wire DSL - area A	XHY++, XGY++	U7SSA	A
13MR-SL	IL	SUB-LOOPS	4 Wire DSL - area B	XHY++, XGY++	U7SSB	B
13MR-SL	IL	SUB-LOOPS	SAI to Terminal 4 Wire DSL - area C	XHY++, XGY++	U7SSC	C
13MR-SL	IL	SUB-LOOPS	SAI to NID 2 Wire Analog - area A	XHG++, XGG++	U7STA	A
13MR-SL	IL	SUB-LOOPS	SAI to NID 2 Wire Analog - area B	XHG++, XGG++	U7STB	B
13MR-SL	IL	SUB-LOOPS	SAI to NID 2 Wire Analog - area C	XHG++, XGG++	U7STC	C
13MR-SL	IL	SUB-LOOPS	SAI to NID 4 Wire Analog - area A	XHK++, XGK++	U7STA	A

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	IL	SUB-LOOPS	SAI to NID 4 Wire Analog - area B	XHK++, XGK++	U7STB	B
13MR-SL	IL	SUB-LOOPS	SAI to NID 4 Wire Analog - area C	XHK++, XGK++	U7STC	C
13MR-SL	IL	SUB-LOOPS	SAI to NID 2 Wire DSL - area A	XHW++, XGW++	U7STA	A
13MR-SL	IL	SUB-LOOPS	SAI to NID 2 Wire DSL - area B	XHW++, XGW++	U7STB	B
13MR-SL	IL	SUB-LOOPS	SAI to NID 2 Wire DSL - area C	XHW++, XGW++	U7STC	C
13MR-SL	IL	SUB-LOOPS	SAI to NID 4 Wire DSL - area A	XHY++, XGY++	U7STA	A
13MR-SL	IL	SUB-LOOPS	SAI to NID 4 Wire DSL - area B	XHY++, XGY++	U7STB	B
13MR-SL	IL	SUB-LOOPS	SAI to NID 4 Wire DSL - area C	XHY++, XGY++	U7STC	C
13MR-SL	IL	SUB-LOOPS	Terminal to NID 2 Wire Analog - area A	XHG++, XGG++	U7SUA	A
13MR-SL	IL	SUB-LOOPS	Terminal to NID 2 Wire Analog - area B	XHG++, XGG++	U7SUB	B
13MR-SL	IL	SUB-LOOPS	Terminal to NID 2 Wire Analog - area C	XHG++, XGG++	U7SUC	C
13MR-SL	IL	SUB-LOOPS	Terminal to NID 4 Wire Analog - area A	XHK++, XGK++	U7SUA	A
13MR-SL	IL	SUB-LOOPS	Terminal to NID 4 Wire Analog - area B	XHK++, XGK++	U7SUB	B
13MR-SL	IL	SUB-LOOPS	Terminal to NID 4 Wire Analog - area C	XHK++, XGK++	U7SUC	C
13MR-SL	IL	SUB-LOOPS	Terminal to NID 2 Wire DSL - area A	XHW++, XGW++	U7SUA	A
13MR-SL	IL	SUB-LOOPS	Terminal to NID 2 Wire DSL - area B	XHW++, XGW++	U7SUB	B
13MR-SL	IL	SUB-LOOPS	Terminal to NID 2 Wire DSL - area C	XHW++, XGW++	U7SUC	C
13MR-SL	IL	SUB-LOOPS	Terminal to NID 4 Wire DSL - area A	XHY++, XGY++	U7SUA	A
13MR-SL	IL	SUB-LOOPS	Terminal to NID 4 Wire DSL - area B	XHY++, XGY++	U7SUB	B
13MR-SL	IL	SUB-LOOPS	Terminal to NID 4 Wire DSL - area C	XHY++, XGY++	U7SUC	C
13MR-SL	IL	SUB-LOOPS	NID 2 Wire Analog - area A	XHG++, XGG++		A
13MR-SL	IL	SUB-LOOPS	NID 2 Wire Analog - area B	XHG++, XGG++		B
13MR-SL	IL	SUB-LOOPS	NID 2 Wire Analog - area C	XHG++, XGG++		C
13MR-SL	IL	SUB-LOOPS	NID 4 Wire Analog - area A	XHK++, XGK++		A
13MR-SL	IL	SUB-LOOPS	NID 4 Wire Analog - area B	XHK++, XGK++		B
13MR-SL	IL	SUB-LOOPS	NID 4 Wire Analog - area C	XHK++, XGK++		C
13MR-SL	IL	SUB-LOOPS	NID 2 Wire DSL - area A	XHW++, XGW++		A
13MR-SL	IL	SUB-LOOPS	NID 2 Wire DSL - area B	XHW++, XGW++		B
13MR-SL	IL	SUB-LOOPS	NID 2 Wire DSL - area C	XHW++, XGW++		C
13MR-SL	IL	SUB-LOOPS	NID 4 Wire DSL - area A	XHY++, XGY++		A
13MR-SL	IL	SUB-LOOPS	NID 4 Wire DSL - area B	XHY++, XGY++		B
13MR-SL	IL	SUB-LOOPS	NID 4 Wire DSL - area C	XHY++, XGY++		C
13MR-SL	IL	SUB-LOOPS	NID 2 Wire ISDN Compatible - area A	XHQ++, XGQ++		A
13MR-SL	IL	SUB-LOOPS	NID 2 Wire ISDN Compatible - area B	XHQ++, XGQ++		B
13MR-SL	IL	SUB-LOOPS	NID Wire ISDN Compatible - area C	XHQ++, XGQ++		C
13MR-SL	IL	SUB-LOOPS	NID 4 Wire DS1 Compatible - area A	XQ1++		A
13MR-SL	IL	SUB-LOOPS	NID 4 Wire DS1 Compatible - area B	XQ1++		B

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	IL	SUB-LOOPS	NID Wire DS1 Compatible - area C	XQ1++		C
13MR-SL	IL	SUB-LOOPS	2-Wire Analog Sub-Loop	XHG++, XGG++		
13MR-SL	IL	SUB-LOOPS	4-Wire Analog Sub-Loop	XHK++, XGK++		
13MR-SL	IL	SUB-LOOPS	2-Wire xDSL Digital Sub-Loop	XHW++, XGW++		
13MR-SL	IL	SUB-LOOPS	4-Wire xDSL Digital Sub-Loop	XHY++, XGY++		
13MR-SL	IL	SUB-LOOPS	2-Wire ISDN Digital Sub-Loop	XHQ++, XGQ++		
13MR-SL	IL	SUB-LOOPS	4-Wire DS-1 (1.544 Mbps) Digital Sub-Loop	XQ1++		
13MR-SL	IL	SUB-LOOPS	Establish, per occasion	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++		
13MR-SL	IL	SUB-LOOPS	Add or change, per occasion	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++		
13MR-SL	IL	SUB-LOOPS	per occasion	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++		
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects 2-Wire	MUJ++, UOB++, UOR++	CXCT2	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects DS1/LT1	MUJ++, UOB++, UOR++	CXCDCX	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects DS3/LT3	MUJ++, UOB++, UOR++	CXC8X	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop Cross-Connect to Collocation	MUJ++, UOB++, UOR++	CXCBX	
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7MX, UK1++	CZ4XA	
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7MX, UK1++	CZ4XB	
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7MX, UK1++	CZ4XC	
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7MX, UK1++	1YZXA	
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7MX, UK1++	1YZXB	
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7MX, UK1++	1YZXC	
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7NX, UK3++	CZ4XA	
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7NX, UK3++	CZ4XB	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7NX, UK3++	CZ4XC	
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZXA	
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZXB	
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZXC	
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7NX, UK3++	CZ4WA	
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7NX, UK3++	CZ4WB	
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7NX, UK3++	CZ4WC	
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZBA	
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZBB	
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZBC	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVXA	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVXB	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVXC	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3XA	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3XB	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3XC	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS1	UB5++, EE7MX, UK1++	CXCDX	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS3	UB5++, EE7NX, UK3++	CXCEX	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions - DS1 Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYXA	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions - DS1 Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYXB	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions - DS1 Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYXC	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges - DS1 Administration Charge - Per Order	UB5++, EE7MX, UK1++	ORCMX	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges - DS1 Design & Central Office Connection Charge - Per Circuit	UB5++, EE7MX, UK1++	NRBCL	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges - DS1 Carrier Connection Charge - Per Order	UB5++, EE7MX, UK1++	NRBBL	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges - DS3 Administration Charge - Per Order	UB5++, EE7NX, UK3++	ORCMX	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges - DS3 Dedicated Transport Installation & Rearrangement Charges - DS3 Design & Central Office Connection Charge - Per Circuit	UB5++, EE7NX, UK3++	NRBC4	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Carrier Connection Charge - Per Order	UB5++, EE7NX, UK3++	NRBDT	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR - Analog Loop Service Order Charge, per ASR or LSR - Electronic Establish Connection	EE7JX	NKCAR	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR - Analog Loop Service Order Charge, per ASR or LSR - Electronic Establish Disconnection	EE7JX	NKCAS	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR - Analog Loop Service Order Charge, per ASR or LSR - Electronic Establish	EE7JX	NKCAT	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR - Analog Loop Service Order Charge, per ASR or LSR - Manual Establish Connection	EE7JX	NKCAU	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR - Analog Loop Service Order Charge, per ASR or LSR - Manual Establish Disconnection	EE7JX	NKCAV	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR - Analog Loop Service Order Charge, per ASR or LSR - Manual Establish Manual Subsequent	EE7JX	NKCAW	
7	IL	OPERATIONS SUPPORT SYSTEM	2-Wire Digital Loop Service Order Charge Electronic Establish Connection	EE7LX	NKCAR	
7	IL	OPERATIONS SUPPORT SYSTEM	2-Wire Digital Loop Service Order Charge Disconnection	EE7LX	NKCAS	
7	IL	OPERATIONS SUPPORT SYSTEM	2-Wire Digital Loop Service Order Charge Electronic Subsequent	EE7LX	NKCAT	
7	IL	OPERATIONS SUPPORT SYSTEM	2-Wire Digital Loop Service Order Charge Manual Establish Connection	EE7LX	NKCAU	
7	IL	OPERATIONS SUPPORT SYSTEM	2-Wire Digital Loop Service Order Charge Manual Establish Disconnection	EE7LX	NKCAV	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
7	IL	OPERATIONS SUPPORT SYSTEM	2-Wire Digital Loop Service Order Charge Manual Establish Manual Subsequent	EE7LX	NKCAW	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Service Order Charge Per LSR or ASR - Electronic Establish Connection	EE7MX	NKCAX	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Service Order Charge Per LSR or ASR - Electronic Establish Disconnection	EE7MX	NKCAY	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Service Order Charge Per LSR or ASR - Electronic Establish Electronic Subsequent	EE7MX	NKCAZ	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Service Order Charge Per LSR or ASR - Manual Establish Connection	EE7MX	NKCB1	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Service Order Charge Per LSR or ASR - Manual Establish Disconnection	EE7MX	NKCB2	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Service Order Charge Per LSR or ASR - Manual Establish Manual Subsequent	EE7MX	NKCB3	
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Transport Service Order Charge Per LSR or ASR - Electronic Establish Connection	EE7MX		
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Transport Service Order Charge Per LSR or ASR - Electronic Establish Disconnection	EE7MX		
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Transport Service Order Charge Per LSR or ASR - Manual Establish Connection	EE7MX		
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Transport Service Order Charge Per LSR or ASR - Manual Establish Disconnection	EE7MX		
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Transport Service Order Charge Per LSR or ASR - Electronic Establish Connection	EE7NX		
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Transport Service Order Charge Per LSR or ASR - Electronic Establish Disconnection	EE7NX		
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Transport Service Order Charge Per LSR or ASR - Manual Establish Connection	EE7NX		
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Transport Service Order Charge Per LSR or ASR - Manual Establish Disconnection	EE7NX		
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Central Office DS1 to Voice Mux Service Order - Electronic Establish Connection	EE7MX		
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Central Office DS1 to Voice Mux Service Order - Electronic Establish Disconnection	EE7MX		
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Central Office DS1 to Voice Mux Service Order - Manual Establish Connection	EE7MX		

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Central Office DS1 to Voice Mux Service Order - Manual Establish Disconnection	EE7MX		
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Non-Channelized DS1 EEL Service Order - Electronic Establish Connection	EE7MX	NKCB4	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Non-Channelized DS1 EEL Service Order - Electronic Establish Disconnection	EE7MX	NKCB5	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Connection	EE7MX	NKCB6	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Disconnection	EE7MX	NKCB7	
7	IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 2-Wire Analog Loop Connection - Initial Connection	EE7JX	NKCB8	
7	IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 2-Wire Analog Loop Connection - Initial Disconnection	EE7JX	NKCB9	
7	IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 2-Wire Analog Loop Connection - Additional Connection	EE7JX	NKCB A	
7	IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 2-Wire Analog Loop Connection - Additional Disconnection	EE7JX	NKCB B	
7	IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 4-Wire Analog Loop Connection - Initial Connection	EE7KX	NKCB C	
7	IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 4-Wire Analog Loop Connection - Initial Disconnection	EE7KX	NKCB D	
7	IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 4-Wire Analog Loop Connection - Additional Connection	EE7KX	NKCB E	
7	IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 4-Wire Analog Loop Connection - Additional Disconnection	EE7KX	NKCB F	
7	IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 2-Wire Digital Loop Connection - Initial (Connection)	EE7LX	NKCB G	
7	IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 2-Wire Digital Loop Connection - Initial (Disconnection)	EE7LX	NKCB H	
7	IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 2-Wire Digital Loop Connection - Additional Connection	EE7LX	NKCB J	
7	IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 2-Wire Digital Loop Connection - Additional Disconnection	EE7LX	NKCB K	
7	IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 4-Wire DS1 Digital Loop Connection - Initial Connection	EE7MX	NKCB L	
7	IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 4-Wire DS1 Digital Loop Connection - Initial Disconnection	EE7MX	NKCB M	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
7	IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 4-Wire DS1 Digital Loop Connection - Additional Connection	EE7MX	NKCBN	
7	IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 4-Wire DS1 Digital Loop Connection - Additional Disconnection	EE7MX	NKCBO	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - Central Office Multiplexing DS1 to Voice - Initial Connection	EE7MX		
13	IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - Central Office Multiplexing DS1 to Voice - Initial Disconnection	EE7MX		
13	IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - Central Office Multiplexing DS1 to Voice - Additional Connection	EE7MX		
13	IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - Central Office Multiplexing DS1 to Voice - Additional Disconnection	EE7MX		
13	IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - DS1 Interoffice UDT - Collocated Initial Connection	EE7MX		
13	IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - DS1 Interoffice UDT - Collocated Initial Disconnection	EE7MX		
13	IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - DS1 Interoffice UDT - Collocated Additional Connection	EE7MX		
13	IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - DS1 Interoffice UDT - Collocated Additional Disconnection	EE7MX		
13	IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - 4-Wire DS1 Digital Loop to DS1 Interoffice UDT - Collocated - Initial Connection	EE7MX	NKCBT	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - 4-Wire DS1 Digital Loop to DS1 Interoffice UDT - Collocated - Initial Disconnection	EE7MX	NKCBU	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - 4-Wire DS1 Digital Loop to DS1 Interoffice UDT - Collocated - Additional Connection	EE7MX	NKCBV	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - 4-Wire DS1 Digital Loop to DS1 Interoffice UDT - Collocated - Additional Disconnection	EE7MX	NKCBW	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - DS3 Interoffice UDT - Collocated - Initial Connection	EE7NX		
13	IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - DS3 Interoffice UDT - Collocated - Initial Disconnection	EE7NX		
13	IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - DS3 Interoffice UDT - Collocated - Additional Connection	EE7NX		
13	IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - DS3 Interoffice UDT - Collocated - Additional Disconnection	EE7NX		
13	IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - Clear Channel Capability Initial, Install	EE7MX	NKCC6	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - Clear Channel Capability Additional, Install	EE7MX		
13	IL	UNBUNDLED DEDICATED TRANSPORT	Provisioning - Clear Channel Capability Additional, Disconnect	EE7MX	NKCC7	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Channelized Facility from Cage, DS1 , Design and Coordination Charge	EE7MX	NKCC9	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Channelized Facility from Cage, DS3, Design and Coordination Charge	EE7MX	NKCCA	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Non-Channelized Facility from Cage, DSO, Design and Coordination Charge	EE7JX, EE7KX, EE7LX	NKCCB	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Non-Channelized Facility from Cage, DS1, Design and Coordination Charge	EE7MX	NKCCC	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Non-Channelized Facility from Cage, DS3, Design and Coordination charge	EE7NX	NKCCD	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Channelized Facility from POP, DS1, Design and Coordination charge	EE7MX	NKCC E	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Channelized Facility from POP, DS3, Design and Coordination Charge	EE7NX	NKCCF	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Channelized Facility from POP, DS0, Design and Coordination Charge			
13	IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Non-Channelized Facility from POP, DSO, Design and Coordination Charge			
13	IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Non-Channelized Facility from OPO, DSO, Design and coordination Charge	EE7JX, EE7KX, EE7LX	NKCCG	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Non-Channelized Facility from POP, DS1, Design and Coordination Charge	EE7MX	NKCC H	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Non-Channelized Facility from POP, DS3, Design and Coordination Charge	EE7NX	NKCCJ	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - Private Line to UNE Conversion			
13	IL	UNBUNDLED DEDICATED TRANSPORT	Special Access to UNE Conversion - AC2U Project Administrative Activity Per Service Circuit	EE7JX, EE7KX, EE7LX, EE7MX, EE7NX	NKCC8	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Termination (Per Termination per Fiber)		ULYCX	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Mileage (Per Fiber per Foot)		ULNCF	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Cross Connect (Per Termination per Fiber)		UKCJX	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Transport - NRC		NR9D6	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - FIRM ORDER (Per Fiber Strand) Administrative per Order		NRB51	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Transport - NRC		NRB54	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Routine Modifications to Existing Facilities Charge	MUJ++, UOB++, UOR++, UB5++, EE7MX, EE7NX, UK3++, UK1++		
7	IL	OPERATIONS SUPPORT SYSTEM	Maintenance of Service	MUJ++, UOB++, UOR++, UB5++, EE7JX, EE7KX, EE7LX, EE7MX, EE7NX, UK3++, UK1++	VRP	
13MR-SL	IL	OPERATIONS SUPPORT SYSTEM	Sub-Loops - Maintenance of Service	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++, XQ3++	VRP	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Rural (Rate Class 1)	MUJ++, EE7JX, UOB++, UOR++	U2HX1	1
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Suburban (Rate Class 2)	MUJ++, EE7JX, UOB++, UOR++	U2HX2	2
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Metro (Rate Class 3)	MUJ++, EE7JX, UOB++, UOR++	U2HX3	3
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, DID/Reverse Battery - Rural (Rate Class 1)	MUJ++, EE7JX, UOB++, UOR++	U2WX1	1
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, DID/Reverse Battery - Suburban (Rate Class 2)	MUJ++, EE7JX, UOB++, UOR++	U2WX2	2
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, DID/Reverse Battery - Metro (Rate Class 3)	MUJ++, EE7JX, UOB++, UOR++	U2WX3	3
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, PBX - Rural (Rate Class 1)	MUJ++, EE7JX, UOB++, UOR++	U2JX1	1
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, PBX - Suburban (Rate Class 2)	MUJ++, EE7JX, UOB++, UOR++	U2JX2	2
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, PBX - Metro (Rate Class 3)	MUJ++, EE7JX, UOB++, UOR++	U2JX3	3
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin - Rural (Rate Class 1)	MUJ++, EE7JX, UOB++, UOR++	U2CX1	1
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin - Suburban (Rate Class 2)	MUJ++, EE7JX, UOB++, UOR++	U2CX2	2
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin - Metro (Rate Class 3)	MUJ++, EE7JX, UOB++, UOR++	U2CX3	3
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Rural (Rate Class 1)	MUJ++, EE7JX, UOB++, UOR++	U2KX1	1
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Suburban (Rate Class 2)	MUJ++, EE7JX, UOB++, UOR++	U2KX2	2
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Metro (Rate Class 3)	MUJ++, EE7JX, UOB++, UOR++	U2KX3	3
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Rural (Rate Class 1)	MUJ++, EE7KX, UOB++, UOR++	U4HX1	1
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Suburban (Rate Class 2)	MUJ++, EE7KX, UOB++, UOR++	U4HX2	2
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Metro (Rate Class 3)	MUJ++, EE7KX, UOB++, UOR++	U4HX3	3
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital - Rural (Rate Class 1)	MUJ++, EE7LX, UOB++, UOR++	U2QX1	1
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital - Suburban (Rate Class 2)	MUJ++, EE7LX, UOB++, UOR++	U2QX2	2
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital - Metro (Rate Class 3)	MUJ++, EE7LX, UOB++, UOR++	U2QX3	3
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop - Rural (Rate Class 1)	MUJ++, EE7MX, UOB++, UOR++	4U1X1	1
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop - Suburban (Rate Class 2)	MUJ++, EE7MX, UOB++, UOR++	4U1X2	2
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop - Metro (Rate Class 3)	MUJ++, EE7MX, UOB++, UOR++	4U1X3	3
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Rural (Rate Class 1)	MUJ++, EE7NX, UOB++, UOR++	U4D31	1
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Suburban (Rate Class 2)	MUJ++, EE7NX, UOB++, UOR++	U4D32	2
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Metro (Rate Class 3)	MUJ++, EE7NX, UOB++, UOR++	U4D33	3
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop Rate Class 1- Rural	MUJ++, UOB++, UOR++	2SLA1	1
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop Rate Class 2- Suburban	MUJ++, UOB++, UOR++	2SLA2	2
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop Rate Class 3- Metro	MUJ++, UOB++, UOR++	2SLA3	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop Rate Class 1- Rural	MUJ++, UOB++, UOR++	2SLC1	1
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop Rate Class 2- Suburban	MUJ++, UOB++, UOR++	2SLC2	2
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop Rate Class 3- Metro	MUJ++, UOB++, UOR++	2SLC3	3
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop Rate Class 1- Rural	MUJ++, UOB++, UOR++	2SLB1	1
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop Rate Class 2- Suburban	MUJ++, UOB++, UOR++	2SLB2	2
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop Rate Class 3- Metro	MUJ++, UOB++, UOR++	2SLB3	3
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop Rate Class 1- Rural	MUJ++, UOB++, UOR++	2SLD1	1
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop Rate Class 2- Suburban	MUJ++, UOB++, UOR++	2SLD2	2
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop Rate Class 3- Metro	MUJ++, UOB++, UOR++	2SLD3	3
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop Rate Class 1- Rural	MUJ++, UOB++, UOR++	UWRA1	1
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop Rate Class 2- Suburban	MUJ++, UOB++, UOR++	UWRA2	2
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop Rate Class 3- Metro	MUJ++, UOB++, UOR++	UWRA3	3
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop Rate Class 1- Rural	MUJ++, UOB++, UOR++	2SLF1	1
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop Rate Class 2- Suburban	MUJ++, UOB++, UOR++	2SLF2	2
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop Rate Class 3- Metro	MUJ++, UOB++, UOR++	2SLF3	3
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop Rate Class 1- Rural	MUJ++, UOB++, UOR++	4SL11	1
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop Rate Class 2- Suburban	MUJ++, UOB++, UOR++	4SL12	2
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop Rate Class 3- Metro	MUJ++, UOB++, UOR++	4SL13	3
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Loop Class 1 - Rural	MUJ++, UOB++, UOR++	UY5F1	1
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Loop Class 2 - Suburban	MUJ++, UOB++, UOR++	UY5F2	2
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Loop Class 3 - Metro	MUJ++, UOB++, UOR++	UY5F3	3
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Line & Station Transfer(LST) performed on CODSLAM Loop	MUJ++, UOB++, UOR++	URCLD	
14	IN	LOOP MAKE-UP	Loop Qualification Process - Mechanized	MUJ++, UOB++, UOR++	NR98U	
14	IN	LOOP MAKE-UP	Loop Qualification Process - Manual	MUJ++, UOB++, UOR++	NRBXU	
14	IN	LOOP MODIFICATION	xDSL Conditioning DSL Conditioning Options - >12KFT Removal of Repeater Options (per unit removed)	MUJ++, UOB++, UOR++	NRBXV	
14	IN	LOOP MODIFICATION	xDSL Conditioning DSL Conditioning Options - >12KFT Removal Excessive Bridged Tap Option (per unit removed)	MUJ++, UOB++, UOR++	NRBXW	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	IN	LOOP MODIFICATION	xDSL Conditioning DSL Conditioning Options - >12KFT Removal of Load Coil (per unit removed)	MUJ++, UOB++, UOR++	NRBXZ	
14	IN	LOOP MODIFICATION	Removal of All or NON-Excessive Bridged Tap (RABT) - MMP Removal of non-excessive bridged tap DSL loops >0Kft. And <17.5Kft.	MUJ++, UOB++, UOR++	NRMRJ	
14	IN	LOOP MODIFICATION	Removal of All or NON-Excessive Bridged Tap (RABT) - MMP Removal of All Bridged Tap DSL Loops 12Kft. To 17.5Kft.	MUJ++, UOB++, UOR++	NRMRP	
14	IN	LOOP MODIFICATION	Removal of All or NON-Excessive Bridged Tap (RABT) - MMP Removal of non-excessive bridged tap DSL loops >17.5Kft DSL Loops - per element incremental	MUJ++, UOB++, UOR++	NRMRS	
14	IN	LOOP MODIFICATION	Removal of All or NON-Excessive Bridged Tap (RABT) - MMP Removal of All Bridged Tap DSL loops >17.5Kft. - per element incremental	MUJ++, UOB++, UOR++	NRMRM	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges (Excluding DS3) Res/Bus Analog/2-W digital Loop, Initial Request, Install	MUJ++, UOB++, UOR++	SEPUP	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges (Excluding DS3 Res/Bus Analog/2-w digital Loop, Initial Request, Disconnect	MUJ++, UOB++, UOR++	NKCG6	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges (Excluding DS3 Disconnect Service Order Charge	MUJ++, UOB++, UOR++	NR9OE	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges (Excluding DS3 Res/Bus Analog/2-W digital Loop, Subsequent Request	MUJ++, UOB++, UOR++	REAH9	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges (Excluding DS3 Res/Bus Analog/2-W digital Loop, record Request	MUJ++, UOB++, UOR++	NR9UP	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges (Excluding DS3 Res/Bus Analog/2-W digital Loop Line Connection Loop Charge, Initial, Install	MUJ++, UOB++, UOR++	SEPUC	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges (Excluding DS3 Res/Bus Analog/2-W digital Loop Line Connection Charge, Initial, Disconnect	MUJ++, UOB++, UOR++	NKCG7	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges (Excluding DS3 Une Analog Loop Disconnect Charge Per Termination	MUJ++, UOB++, UOR++	NR9OG	
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges (Excluding DS3 Res/Bus Analog/2-W digital Loop Line Connection Charge, Additional, Install	MUJ++, UOB++, UOR++	1CRG7	
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges (Excluding DS3 Line Connection Add or Change	MUJ++, UOB++, UOR++	REAH5	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges (Excluding DS3 Res/Bus Standalone Line Connection Charge, Additional, Disconnect	MUJ++, UOB++, UOR++	NKCG5	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges (Excluding DS3 DS1 Service Provisioning, Initial, Install	MUJ++, UOB++, UOR++	1CRG1	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges (Excluding DS3 DS1 Service Provisioning, Initial, Disconnect	MUJ++, UOB++, UOR++	NKCG1	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges (Excluding DS3 DS1 Service Provisioning, Additional, Install	MUJ++, UOB++, UOR++	1CRG2	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges (Excluding DS3 DS1 Service Provisioning, Additional, Disconnect	MUJ++, UOB++, UOR++	NKCG2	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges (Excluding DS3 DS1 Loop, Administrative Activity, Install	MUJ++, UOB++, UOR++	NR9OR	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges (Excluding DS3 DS1 Loop, Administrative Activity, Disconnect	MUJ++, UOB++, UOR++	NR9OT	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop Non-Recurring Charges Administrative	MUJ++, UOB++, UOR++	NR9OY	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop Non-Recurring Charges Design & Central Office	MUJ++, UOB++, UOR++	NR9O1	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop Non-Recurring Charges Customer Connection	MUJ++, UOB++, UOR++	NR9O3	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Service Provisioning, Initial, Install	MUJ++, UOB++, UOR++	1CRG3	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Service Provisioning, Initial, Disconnect	MUJ++, UOB++, UOR++	NKCG3	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Service Provisioning, Additional, Install	MUJ++, UOB++, UOR++	1CRG4	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Service Provisioning, Additional, Disconnect	MUJ++, UOB++, UOR++	NKCG4	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop, Administrative Activity, Disconnect	MUJ++, UOB++, UOR++	NR9OZ	
13MR-SL	IN	SUB-LOOPS	ECS to SAI sub-loop 2 Wire Analog - Rate Group 3	XHG++, XGG++	U7SPA	3
13MR-SL	IN	SUB-LOOPS	ECS to SAI sub-loop 2 Wire Analog - Rate Group 2	XHG++, XGG++	U7SPB	2
13MR-SL	IN	SUB-LOOPS	ECS to SAI sub-loop 2 Wire Analog - Rate Group 1	XHG++, XGG++	U7SPC	1
13MR-SL	IN	SUB-LOOPS	ECS to SAI sub-loop 4 Wire Analog - Rate Group 3	XHK++, XGK++	U7SPA	3
13MR-SL	IN	SUB-LOOPS	ECS to SAI sub-loop 4 Wire Analog - Rate Group 2	XHK++, XGK++	U7SPB	2
13MR-SL	IN	SUB-LOOPS	ECS to SAI sub-loop 4 Wire Analog - Rate Group 1	XHK++, XGK++	U7SPC	1
13MR-SL	IN	SUB-LOOPS	ECS to SAI sub-loop 2 Wire DSL - Rate Group 3	XHW++, XGW++	U7SPA	3
13MR-SL	IN	SUB-LOOPS	ECS to SAI sub-loop 2 Wire DSL - Rate Group 2	XHW++, XGW++	U7SPB	2
13MR-SL	IN	SUB-LOOPS	ECS to SAI sub-loop 2 Wire DSL - Rate Group 1	XHW++, XGW++	U7SPC	1
13MR-SL	IN	SUB-LOOPS	ECS to SAI sub-loop4 Wire DSL - Rate Group 3	XHY++, XGY++	U7SPA	3
13MR-SL	IN	SUB-LOOPS	ECS to SAI sub-loop4 Wire DSL - Rate Group 2	XHY++, XGY++	U7SPB	2
13MR-SL	IN	SUB-LOOPS	ECS to SAI sub-loop4 Wire DSL - Rate Group 1	XHY++, XGY++	U7SPC	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	IN	SUB-LOOPS	ECS to Terminal sub-loop 2 Wire Analog - Rate Group 3	XHG++, XGG++	U7SQA	3
13MR-SL	IN	SUB-LOOPS	ECS to Terminal sub-loop 2 Wire Analog - Rate Group 2	XHG++, XGG++	U7SQB	2
13MR-SL	IN	SUB-LOOPS	ECS to Terminal sub-loop 2 Wire Analog - Rate Group 1	XHG++, XGG++	U7SQC	1
13MR-SL	IN	SUB-LOOPS	ECS to Terminal sub-loop 4 Wire Analog - Rate group 3	XHK++, XGK++	U7SQA	3
13MR-SL	IN	SUB-LOOPS	ECS to Terminal sub-loop 4 Wire Analog - Rate Group 2	XHK++, XGK++	U7SQB	2
13MR-SL	IN	SUB-LOOPS	ECS to Terminal sub-loop 4 Wire Analog - Rate Group 1	XHK++, XGK++	U7SQC	1
13MR-SL	IN	SUB-LOOPS	ECS to Terminal sub-loop 2 Wire DSL - Rate Group 3	XHW++, XGW++	U7SQA	3
13MR-SL	IN	SUB-LOOPS	ECS to Terminal sub-loop 2 Wire DSL - Rate Group 2	XHW++, XGW++	U7SQB	2
13MR-SL	IN	SUB-LOOPS	ECS to Terminal sub-loop 2 Wire DSL - Rate group 1	XHW++, XGW++	U7SQC	1
13MR-SL	IN	SUB-LOOPS	ECS to Terminal sub-loop 4 Wire DSL - Rate Group 3	XHY++, XGY++	U7SQA	3
13MR-SL	IN	SUB-LOOPS	ECS to Terminal sub-loop 4 Wire DSL - Rate Group 2	XHY++, XGY++	U7SQB	2
13MR-SL	IN	SUB-LOOPS	ECS to Terminal sub-loop 4 Wire DSL - Rate Group 1	XHY++, XGY++	U7SQC	1
13MR-SL	IN	SUB-LOOPS	ECS to NID sub-loop 2 Wire Analog - Rate group 3	XHG++, XGG++	U7SRA	3
13MR-SL	IN	SUB-LOOPS	ECS to NID sub-loop 2 Wire Analog - Rate Group 2	XHG++, XGG++	U7SRB	2
13MR-SL	IN	SUB-LOOPS	ECS to NID sub-loop 2 Wire Analog - Rate Group 1	XHG++, XGG++	U7SRC	1
13MR-SL	IN	SUB-LOOPS	ECS to NID sub-loop 4 Wire Analog - Rate Group 3	XHK++, XGK++	U7SRA	3
13MR-SL	IN	SUB-LOOPS	ECS to NID sub-loop 4 Wire Analog - Rate Group 2	XHK++, XGK++	U7SRB	2
13MR-SL	IN	SUB-LOOPS	ECS to NID sub-loop 4 Wire Analog - Rate group 1	XHK++, XGK++	U7SRC	1
13MR-SL	IN	SUB-LOOPS	ECS to NID sub-loop 2 Wire DSL - Rate Group 3	XHW++, XGW++	U7SRA	3
13MR-SL	IN	SUB-LOOPS	ECS to NID sub-loop 2 Wire DSL - Rate group 2	XHW++, XGW++	U7SRB	2
13MR-SL	IN	SUB-LOOPS	ECS to NID sub-loop 2 Wire DSL - Rate Group 1	XHW++, XGW++	U7SRC	1
13MR-SL	IN	SUB-LOOPS	ECS to NID sub-loop 4 Wire DSL - Rate Group 3	XHY++, XGY++	U7SRA	3
13MR-SL	IN	SUB-LOOPS	ECS to NID sub-loop 4 Wire DSL - Rate Group 2	XHY++, XGY++	U7SRB	2
13MR-SL	IN	SUB-LOOPS	ECS to NID sub-loop 4 Wire DSL - Rate Group 1	XHY++, XGY++	U7SRC	1
13MR-SL	IN	SUB-LOOPS	SAI to Terminal sub-loop 2 Wire Analog - Rate group 3	XHG++, XGG++	U7SSA	3
13MR-SL	IN	SUB-LOOPS	SAI to Terminal sub-loop 2 Wire Analog - Rate Group 2	XHG++, XGG++	U7SSB	2
13MR-SL	IN	SUB-LOOPS	SAI to Terminal sub-loop 2 Wire Analog - Rate Group 1	XHG++, XGG++	U7SSC	1
13MR-SL	IN	SUB-LOOPS	SAI to Terminal sub-loop 4 Wire Analog - Rate Group 3	XHK++, XGK++	U7SSA	3
13MR-SL	IN	SUB-LOOPS	SAI to Terminal sub-loop 4 Wire Analog - Rate Group 2	XHK++, XGK++	U7SSB	2
13MR-SL	IN	SUB-LOOPS	SAI to Terminal sub-loop 4 Wire Analog - Rate Group 1	XHK++, XGK++	U7SSC	1
13MR-SL	IN	SUB-LOOPS	SAI to Terminal sub-loop 2 Wire DSL - Rate Group 3	XHW++, XGW++	U7SSA	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	IN	SUB-LOOPS	SAI to Terminal sub-loop 2 Wire DSL - Rate Group 2	XHW++, XGW++	U7SSB	2
13MR-SL	IN	SUB-LOOPS	SAI to Terminal sub-loop 2 Wire DSL - Rate Group 1	XHW++, XGW++	U7SSC	1
13MR-SL	IN	SUB-LOOPS	SAI to Terminal sub-loop 4 Wire DSL - Rate Group 3	XHY++, XGY++	U7SSA	3
13MR-SL	IN	SUB-LOOPS	SAI to Terminal sub-loop 4 Wire DSL - Rate Group 2	XHY++, XGY++	U7SSB	2
13MR-SL	IN	SUB-LOOPS	SAI to Terminal sub-loop 4 Wire DSL - Rate Group 1	XHY++, XGY++	U7SSC	1
13MR-SL	IN	SUB-LOOPS	SAI to NID sub-loop 2 Wire Analog - Rate group 3	XHG++, XGG++	U7STA	3
13MR-SL	IN	SUB-LOOPS	SAI to NID sub-loop 2 Wire Analog - Rate Group 2	XHG++, XGG++	U7STB	2
13MR-SL	IN	SUB-LOOPS	SAI to NID sub-loop 2 Wire Analog - Rate Group 1	XHG++, XGG++	U7STC	1
13MR-SL	IN	SUB-LOOPS	SAI to NID sub-loop 4 Wire Analog - Rate Group 3	XHK++, XGK++	U7STA	3
13MR-SL	IN	SUB-LOOPS	SAI to NID sub-loop 4 Wire Analog - Rate Group 2	XHK++, XGK++	U7STB	2
13MR-SL	IN	SUB-LOOPS	SAI to NID sub-loop 4 Wire Analog - Rate Group 1	XHK++, XGK++	U7STC	1
13MR-SL	IN	SUB-LOOPS	SAI to NID sub-loop 2 Wire DSL - Rate Group 3	XHW++, XGW++	U7STA	3
13MR-SL	IN	SUB-LOOPS	SAI to NID sub-loop 2 Wire DSL - Rate Group 2	XHW++, XGW++	U7STB	2
13MR-SL	IN	SUB-LOOPS	SAI to NID sub-loop 2 Wire DSL - Rate Group 1	XHW++, XGW++	U7STC	1
13MR-SL	IN	SUB-LOOPS	SAI to NID sub-loop 4 Wire DSL - Rate Group 3	XHY++, XGY++	U7STA	3
13MR-SL	IN	SUB-LOOPS	SAI to NID sub-loop 4 Wire DSL - Rate Group 2	XHY++, XGY++	U7STB	2
13MR-SL	IN	SUB-LOOPS	SAI to NID sub-loop 4 Wire DSL - Rate Group 1	XHY++, XGY++	U7STC	1
13MR-SL	IN	SUB-LOOPS	Terminal to NID sub-loop 2 Wire Analog - Rate Group 3	XHG++, XGG++	U7SUA	3
13MR-SL	IN	SUB-LOOPS	Terminal to NID sub-loop 2 Wire Analog - Rate Group 2	XHG++, XGG++	U7SUB	2
13MR-SL	IN	SUB-LOOPS	Terminal to NID sub-loop 2 Wire Analog - Rate Group 1	XHG++, XGG++	U7SUC	1
13MR-SL	IN	SUB-LOOPS	Terminal to NID sub-loop 4 Wire Analog - Rate Group 3	XHK++, XGK++	U7SUA	3
13MR-SL	IN	SUB-LOOPS	Terminal to NID sub-loop 4 Wire Analog - Rate Group 2	XHK++, XGK++	U7SUB	2
13MR-SL	IN	SUB-LOOPS	Terminal to NID sub-loop 4 Wire Analog - Rate Group 1	XHK++, XGK++	U7SUC	1
13MR-SL	IN	SUB-LOOPS	Terminal to NID sub-loop 2 Wire DSL - Rate Group 3	XHW++, XGW++	U7SUA	3
13MR-SL	IN	SUB-LOOPS	Terminal to NID sub-loop 2 Wire DSL - Rate Group 2	XHW++, XGW++	U7SUB	2
13MR-SL	IN	SUB-LOOPS	Terminal to NID sub-loop 2 Wire DSL - Rate Group 1	XHW++, XGW++	U7SUC	1
13MR-SL	IN	SUB-LOOPS	Terminal to NID sub-loop 4 Wire DSL - Rate Group 3	XHY++, XGY++	U7SUA	3
13MR-SL	IN	SUB-LOOPS	Terminal to NID sub-loop 4 Wire DSL - Rate Group 2	XHY++, XGY++	U7SUB	2
13MR-SL	IN	SUB-LOOPS	Terminal to NID sub-loop 4 Wire DSL - Rate Group 1	XHY++, XGY++	U7SUC	1
13MR-SL	IN	SUB-LOOPS	NID sub-loop element 2 Wire Analog - Rate Group 3	XHG++, XGG++		3
13MR-SL	IN	SUB-LOOPS	NID sub-loop element 2 Wire Analog - Rate Group 2	XHG++, XGG++		2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	IN	SUB-LOOPS	NID sub-loop element 2 Wire Analog - Rate Group 1	XHG++, XGG++		1
13MR-SL	IN	SUB-LOOPS	NID sub-loop element 4 Wire Analog - Rate Group 3	XHK++, XGK++		3
13MR-SL	IN	SUB-LOOPS	NID sub-loop element 4 Wire Analog - Rate Group 2	XHK++, XGK++		2
13MR-SL	IN	SUB-LOOPS	NID sub-loop element 4 Wire Analog - Rate Group 1	XHK++, XGK++		1
13MR-SL	IN	SUB-LOOPS	NID sub-loop element 2 Wire DSL - Rate Group 3	XHW++, XGW++		3
13MR-SL	IN	SUB-LOOPS	NID sub-loop element 2 Wire DSL - Rate Group 2	XHW++, XGW++		2
13MR-SL	IN	SUB-LOOPS	NID sub-loop element 2 Wire DSL - Rate Group 1	XHW++, XGW++		1
13MR-SL	IN	SUB-LOOPS	NID sub-loop element 4 Wire DSL - Rate Group 3	XHY++, XGY++		3
13MR-SL	IN	SUB-LOOPS	NID sub-loop element 4 Wire DSL - Rate Group 2	XHY++, XGY++		2
13MR-SL	IN	SUB-LOOPS	NID sub-loop element 4 Wire DSL - Rate Group 1	XHY++, XGY++		1
13MR-SL	IN	SUB-LOOPS	NID sub-loop element 2 Wire ISDN Compatible - Rate Group 3	XHQ++, XGQ++		3
13MR-SL	IN	SUB-LOOPS	NID sub-loop element 2 Wire ISDN Compatible - Rate Group 2	XHQ++, XGQ++		2
13MR-SL	IN	SUB-LOOPS	NID sub-loop element 2 Wire ISDN Compatible - Rate Group 1	XHQ++, XGQ++		1
13MR-SL	IN	SUB-LOOPS	Non-Recurring Charges 2-Wire Analog Sub-Loop	XHG++, XGG++		
13MR-SL	IN	SUB-LOOPS	Non-Recurring Charges 4-Wire Analog Sub-Loop	XHK++, XGK++		
13MR-SL	IN	SUB-LOOPS	Non-Recurring Charges 2-Wire xDSL Digital Sub-Loop	XHW++, XGW++		
13MR-SL	IN	SUB-LOOPS	Non-Recurring Charges 4-Wire xDSL Digital Sub-Loop	XHY++, XGY++		
13MR-SL	IN	SUB-LOOPS	Non-Recurring Charges 2-Wire ISDN Digital Sub-Loop	XHQ++, XGQ++		
13MR-SL	IN	SUB-LOOPS	Service Order Charge Establish, per occasion	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++		
13MR-SL	IN	SUB-LOOPS	Service Order Charge Line Connection Add or change, per occasion	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++		
13MR-SL	IN	SUB-LOOPS	Service Order Charge Line Connection per occasion	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++		
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects 2-Wire	MUJ++, UOB++, UOR++	CXCT2	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects 4-Wire	MUJ++, UOB++, UOR++	CXCT4	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects DS1/LT1	MUJ++, UOB++, UOR++	CXCDX	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects DS3/LT3	MUJ++, UOB++, UOR++	CXC8X	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects DS3 C.O. LOOP Cross-Connect to Collocation	MUJ++, UOB++, UOR++	CXCBX	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X1	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X2	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X3	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX1	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX2	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX3	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W1	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W2	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W3	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB1	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB2	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB3	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, Analog 2-Wire Digital Loop, Establishment Request, Install	EE7JX, EE7KX, EE7LX	NKCAR	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, Analog 2-Wire Digital Loop, Establishment Request, Disconnect	EE7JX, EE7KX, EE7LX	NKCAS	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, Analog 2-Wire Digital Loop, Subsequent Order	EE7JX, EE7KX, EE7LX	NKCAT	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Manual, Analog 2-Wire Digital Loop, Establishment Request, Install	EE7JX, EE7KX, EE7LX	NKCAU	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR manual, Analog 2-Wire Digital Loop, Establishment Request, Disconnect	EE7JX, EE7KX, EE7LX	NKCAV	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Manual, Analog 2-Wire Digital Loop, Subsequent Order	EE7MX	NKCAW	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, DS1 Loop, Establishment Request, Install	EE7MX	NKCAX	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, DS1 Loop, Establishment Request, Disconnect	EE7MX	NKCAY	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, DS1 Loop, Subsequent Order	EE7MX	NKCAZ	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Manual, DS1 Loop, Establishment Request, Install	EE7MX	NKCB1	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Manual, DS1 Loop, Establishment Request, Disconnect	EE7MX	NKCB2	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Manual, DS1 Loop, Subsequent Order	EE7MX	NKCB3	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, DS1 or DS3 Transport, Establishment Request, Install			
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, DS1 or DS3 Transport, Establishment Request, Disconnect			
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) Service Order per LSR Manual, DS1 or DS3 Transport, Establishment Request, Install			
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) Service Order per LSR Manual, DS1 or DS3 Transport, Establishment Request, Disconnect			
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, Non-channelized DS1 EEL, Establishment Request, Install	EE7MX	NKCB4	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, Non-channelized DS1 EEL, Establishment Request, Disconnect	EE7MX	NKCB5	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Manual, Non-channelized DS1 EEL, Establishment Request, Install	EE7MX	NKCB6	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Manual, Non-channelized DS1 EEL, Establishment Request, Disconnect	EE7MX	NKCB7	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, CO Multiplexing, DS1 to Voice, Establishment Request, Install			
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, CO Multiplexing, DS1 to Voice, Establishment Request, Disconnect			
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) Service Order per LSR Manual, CO Multiplexing, DS1 to Voice, Establishment Request, Install			
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) Service Order per LSR Manual, CO Multiplexing, DS1 to Voice, Establishment Request, Disconnect			
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 2-Wire Analog Loop Connection, Initial, Install	EE7JX	NKCB8	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 2-Wire Analog Loop Connection, Initial, Disconnect	EE7JX	NKCB9	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 2-Wire Analog Loop Connection, Additional, Install	EE7JX	NKCB A	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 2-Wire Analog Loop Connection, Additional, Disconnect	EE7JX	NKCB B	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire Analog Loop Connection, Initial, Install	EE7KX	NKCB C	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire Analog Loop Connection, Initial, Disconnect	EE7KX	NKCB D	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire Analog Loop Connection, Additional, Install	EE7KX	NKCBE	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire Analog Loop Connection, Additional, Disconnect	EE7KX	NKCBF	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 2-Wire Digital Loop Connection, Initial, Install	EE7LX	NKCBG	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 2-Wire Digital Loop Connection, Initial, Disconnect	EE7LX	NKCBH	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 2-Wire Digital Loop Connection, Additional, Install	EE7LX	NKCBJ	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 2-Wire Digital Loop Connection, Additional, Disconnect	EE7LX	NKCBK	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire Digital Loop Connection, Initial, Install	EE7MX	NKCBL	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire Digital Loop Connection, Initial, Disconnect	EE7MX	NKCBM	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire Digital Loop Connection, Additional, Install	EE7MX	NKCBN	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire Digital Loop Connection, Additional, Disconnect	EE7MX	NKCBO	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element CO Multiplexing, DS I to Voice, Initial, Install	EE7MX		
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element CO Multiplexing, DSI to Voice, Initial, Disconnect	EE7MX		
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element CO Multiplexing, DSI to Voice, Additional, Install	EE7MX		

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element CO Multiplexing, DSI to Voice, Additional, Disconnect	EE7MX		
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element DS1 Interoffice Dedicated Transport Collocated, Initial, Install	EE7MX		
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element DS1 Interoffice Dedicated Transport Collocated, Initial, Disconnect	EE7MX		
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element DS1 Interoffice Dedicated Transport Collocated, Additional, Install	EE7MX		
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element DS1 Interoffice Dedicated Transport Collocated, Additional, Disconnect	EE7MX		
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire DS1 Digital Loop to DS1 Interoffice Dedicated Transport Collocated, Initial, Install	EE7MX	NKCBT	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire DS1 Digital Loop to DS1 Interoffice Dedicated Transport Collocated, Initial, Disconnect	EE7MX	NKCBU	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire DS1 Digital Loop to DS1 Interoffice Dedicated Transport Collocated, Add'l, Install	EE7MX	NKCBV	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire DS1 Digital Loop to DS1 Interoffice Dedicated Transport, Collocated, Add'l, Disconnect	EE7MX	NKCBW	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element DS3 Interoffice Dedicated Transport Collocated, Initial, Install	EE7NX		
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element DS3 Interoffice Dedicated Transport Collocated, Initial, Disconnect	EE7NX		
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element DS3 Interoffice Dedicated Transport Collocated, Additional, Install	EE7NX		

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	IN	UNBUNDLED DEDICATED TRANSPORT	Enhanced Extended Loop (EEL) New Combination per Element DS3 Interoffice Dedicated Transport Collocated, Additional, Disconnect	EE7NX		
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element Clear Channel Capability, Initial, Install	EE7MX	NKCC6	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element Clear Channel Capability, Additional, Install	EE7MX	NKCC7	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per Activity Channelized Facility from Cage, DS1, Design and Coordination Charge	EE7MX	NKCC9	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per Activity Channelized Facility from Cage, DS1, Demarcation Re-Tag Charge	EE7MX		
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per Activity Channelized Facility from Cage, DS3, Design and Coordination Charge	EE7NX	NKCCA	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per Activity Channelized Facility from Cage, DS3, Demarcation Re-Tag Charge	EE7NX		
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per Activity Channelized Facility from Cage, DSO, Design and Coordination Charge	EE7JX, EE7KX, EE7LX		
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per Activity Channelized Facility from Cage, DSO, Design and Coordination Charge	EE7JX, EE7KX, EE7LX	NKCCB	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per Activity Non-Channelized Facility from Cage, DSO, Demarcation Re-Tag Charge	EE7JX, EE7KX, EE7LX		
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per Activity Non-Channelized Facility from Cage, DS1, Design and Coordination Charge	EE7MX	NKCCC	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per Activity Non-Channelized Facility from Cage, DS1, Demarcation Re-Tag charge	EE7MX		
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per Activity Non-Channelized Facility from Cage, DS3, Design and Coordination charge	EE7NX	NKCCD	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per ActivityNon-Channelized Facility from Cage, DS3, Demarcation Re-Tag Charge	EE7NX		
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per ActivityChannelized Facility from POP, DS1, Design and Coordination charge	EE7MX	NKCCE	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per Activity Channelized Facility from POP, DS1, Demarcation Re-Tag Charge			
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per Activity Channelized Facility from POP, DS3, Design and Coordination Charge	EE7NX	NKCCF	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per Activity Channelized Facility from POP, DS3, Demarcation Re-Tag Charge			
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per Activity Channelized Facility from POP, DSO, Design and Coordination Charge			
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per Activity Non-Channelized Facility from POP, DSO, Design and Coordination Charge	EE7JX, EE7KX, EE7LX	NKCCG	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per ActivityNon-Channelized Facility from POP, DSO, Demarcation Re-Tag Charge			
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per ActivityNon-Channelized Facility from POP, DS1, Design and Coordination Charge	EE7MX	NKCCH	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Non-Channelized Facility from POP, DS1, Demarcation Re-Tag charge			
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per ActivityNon-Channelized Facility from POP, DS3, Design and Coordination Charge	EE7NX	NKCCJ	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per ActivityNon-Channelized Facility from POP, DS3, Demarcation Re-Tag Charge			
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to UNE Conversions Per Circuit Project Administrative Activity	EE7JX, EE7KX, EE7LX, EE7MX, EE7NX	NKCC8	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++, EE7MX	QMVX1	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++, EE7MX	QMVX2	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++, EE7MX	QMVX3	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++, EE7NX	QM3X1	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++, EE7NX	QM3X2	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++, EE7NX	QM3X3	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS1	UB5++, EE7MX, UK1++	CXCDX	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS3	UB5++, EE7NX, UK3++	CXCEX	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYX1	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYX2	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYX3	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS1 Administration Charge - Per Order	UB5++, UK1++	ORCMX	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS1 Design & Central Office Connection Charge - Per Circuit	UB5++, UK1++	NRBCL	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS1 Carrier Connection Charge - Per Order	UB5++, UK1++	NRBBL	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Administration Charge - Per Order	UB5++, UK3++	ORCMX	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Design & Central Office Connection Charge - Per Circuit	UB5++, UK3++	NRBCL	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Design & Central Office Connection Charge - Per Circuit	UB5++, UK3++	NRBC4	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Carrier Connection Charge - Per Order	UB5++, UK3++	NRBBL	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Carrier Connection Charge - Per Order	UB5++, UK3++	NRBDT	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Termination (Per Termination per Fiber)		ULYCX	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Mileage (Per Fiber per Foot)		ULNCF	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Cross Connect (Per Termination per Fiber)		UKCJX	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Transport - NRC		NR9D6	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber FIRM ORDER (Per Fiber Strand) Connect		NRB51	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber FIRM ORDER (Per Fiber Strand) Disconnect		NR9H2	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber FIRM ORDER (Per Fiber Strand) Connect		NRB52	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber FIRM ORDER (Per Fiber Strand) Disconnect		NR9H3	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber FIRM ORDER (Per Fiber Strand) Connect		NRB54	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber FIRM ORDER (Per Fiber Strand) Disconnect		NR9H5	
13	IN	ROUTINE MODIFICATIONS	Routine Modifications of Existing Facilities Charge	MUJ++, UOB++, UOR++, UB5++, EE7MX, EE7NX, UK3++, UK1++	N3RUE	
4	IN	LNP	Local Number Portability		NSR	
7	IN	OPERATIONS SUPPORT SYSTEM	Maintenance of Service Charges	MUJ++, UOB++, UOR++, UB5++, EE7JX, EE7KX, EE7LX, EE7MX, EE7NX, UK3++, UK1++	VRP	
13MR-SL	IN	OPERATIONS SUPPORT SYSTEM	Sub-Loops - Maintenance of Service Charges	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++, XQ3++	VRP	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	Disconnect Loop from inside wiring, per NID		NRBND	
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 1 (Rural)		U21	1
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 2 (Suburban)		U21	2
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 3 (Urban)		U21	3
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Conditioning for dB loss from 8db to 5db		UL2	
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 1(Rural)		U4H	1
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 2 (Suburban)		U4H	2
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 3 (Urban)		U4H	3
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop - Zone 1(Rural)		U2Q	1
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop - Zone 2 (Suburban)		U2Q	2
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop - Zone 3 (Urban)		U2Q	3
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Zone 1 (Rural)		U4D1X	1
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Zone 2 (Suburban)		U4D1X	2
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Zone 3 (Urban)		U4D1X	3
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop Zone 1 (Rural)		U4D3X	1
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop Zone 2 (Suburban)		U4D3X	2
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop Zone 3 (Urban)		U4D3X	3
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Cross Connect to Collocation		UCXC2	
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Cross Connect to Collocation (without testing)		UCXD2	
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Cross Connect to Collocation		UCXC4	
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Cross Connect to Collocation (without testing)		UCXD4	
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop Cross Connect to Collocation		(UCXC2)	
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop Cross Connect to Collocation (without testing)		(UCXD2)	
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Cross Connect to Collocation		UCXHX	
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop Cross Connect to collocation		UCXBX	
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop - Zone 1 (Rural)		2SLAX	1
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLAX	2
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop - Zone 3 (Urban)		2SLAX	3
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop - Zone 1 (Rural)		2SLCX	1
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLCX	2
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop - Zone 3 (Urban)		2SLCX	3
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop - Zone 1 (Rural)		2SLBX	1
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLBX	2
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop - Zone 3 (Urban)		2SLBX	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop - Zone 1 (Rural)		2SLDX	1
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLDX	2
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop - Zone 3 (Urban)		2SLDX	3
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop - Zone 1 (Rural)		U2F	1
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop - Zone 2 (Suburban)		U2F	2
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop - Zone 3 (Urban)		U2F	3
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop - Zone 1 (Rural)		2SLFX	1
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLFX	2
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop - Zone 3 (Urban)		2SLFX	3
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop - Zone 1 (Rural)		4SL1X	1
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop - Zone 2 (Suburban)		4SL1X	2
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop - Zone 3 (Urban)		4SL1X	3
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Capable Loop - Zone 1 (Rural)		UY5FX	1
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Capable Loop - Zone 2 (Suburban)		UY5FX	2
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Capable Loop - Zone 3 (Urban)		UY5FX	3
14	KS	LOOP MAKE-UP	Loop Qualification Process - Mechanized		NR98U	
14	KS	LOOP MAKE-UP	Loop Qualification Process - Manual		NRBXU	
14	KS	LOOP MODIFICATION	DSL Conditioning - Removal of Repeaters		NRBXV	
14	KS	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Repeater (> than 17.5 Kft.same location/same cable)		NRBNL	
14	KS	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Repeater (> than 17.5 Kft.same location/different cable)		NRBNP	
14	KS	LOOP MODIFICATION	DSL Conditioning - Removal of Excessive Bridged Taps and Repeaters		NRBXH	
14	KS	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Excessive Bridged Taps and Repeaters (>than 17.5K same location/same cable)		NRBTV	
14	KS	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Excessive Bridged Taps and Repeaters (>than 17.5K same location/different cable)		NRBTW	
14	KS	LOOP MODIFICATION	DSL Conditioning - Removal of Excessive Bridged Taps		NRBXW	
14	KS	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Excessive Bridged Tap (> than 17.5 Kft.same location/same cable)		NRBNK	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	KS	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Excessive Bridged Tap (> than 17.5 Kft.same location/different cable)		NRBNN	
14	KS	LOOP MODIFICATION	DSL Conditioning - Removal of Excessive Bridged Taps and Load Coils		NRBXF	
14	KS	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Load Coil & Excessive Bridge Tap (> than 17.5 Kft.same location/same Cable)		NRBM8	
14	KS	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Load Coil & Excessive Bridge Tap (> than 17.5 Kft.same location/different Cable)		NRBM9	
14	KS	LOOP MODIFICATION	DSL Conditioning - Removal of Load Coils		NRBXZ	
14	KS	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Load Coil (> than 17.5 Kft.same location/same Cable)		NRBNJ	
14	KS	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Load Coil (> than 17.5 Kft.same location/different Cable)		NRBNH	
14	KS	LOOP MODIFICATION	RABT - MMP - Removal of non-excessive bridged tap DSL loops >0Kft. And <17.5Kft.		NRMRJ	
14	KS	LOOP MODIFICATION	RABT - MMP - Removal of All Bridged Tap DSL Loops 12Kft. To 17.5Kft.		NRMRP	
14	KS	LOOP MODIFICATION	RABT - MMP - Removal of non-excessive bridged tap DSL loops >17.5Kft DSL Loops - per element incremental		NRMRS	
14	KS	LOOP MODIFICATION	RABT - MMP - Removal of All Bridged Tap DSL loops >17.5Kft. - per element incremental		NRMRM	
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Shielded Loop Cross Connect to Collocation		UXRRX	
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire DSL Non-Shielded Cross Connect Loop to Collocation (w/o testing)		UCX92	
14	KS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DSL Non-Shielded Cross Connect Loop to Collocation (w/o testing)		UCX94	
14	KS	LOOP MODIFICATION	LST performed on CODSLAM Loop		URCLD	
14	KS	LOOP MODIFICATION	Simple LST in the Feeder Cable			
14	KS	LOOP MODIFICATION	Simple LST in the Distribution Cable			
14	KS	LOOP MODIFICATION	Complex LST in the Feeder Cable			
14	KS	LOOP MODIFICATION	Complex LST in the Distribution Cable			
13MR-SL	KS	SUB-LOOPS	LST performed on Sub Loop		URCLB	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	KS	SUB-LOOPS	ECS to SAI subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAP	1
13MR-SL	KS	SUB-LOOPS	ECS to SAI subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAP	2
13MR-SL	KS	SUB-LOOPS	ECS to SAI subloop charge 2-Wire Analog Zone 3 (Urban)		U6LAP	3
13MR-SL	KS	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAQ	1
13MR-SL	KS	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAQ	2
13MR-SL	KS	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire Analog Zone 3 (Urban)		U6LAQ	3
13MR-SL	KS	SUB-LOOPS	ECS to NID subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAR	1
13MR-SL	KS	SUB-LOOPS	ECS to NID subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAR	2
13MR-SL	KS	SUB-LOOPS	ECS to NID subloop charge 2-Wire-Analog Zone 3 (Urban)		U6LAR	3
13MR-SL	KS	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAS	1
13MR-SL	KS	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAS	2
13MR-SL	KS	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire Analog Zone 3 (Urban)		U6LAS	3
13MR-SL	KS	SUB-LOOPS	SAI to NID subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAT	1
13MR-SL	KS	SUB-LOOPS	SAI to NID subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAT	2
13MR-SL	KS	SUB-LOOPS	SAI to NID subloop charge 2-Wire Analog Zone 3 (Urban)		U6LAT	3
13MR-SL	KS	SUB-LOOPS	Terminal to NID subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAU	1
13MR-SL	KS	SUB-LOOPS	Terminal to NID subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAU	2
13MR-SL	KS	SUB-LOOPS	Terminal to NID subloop charge 2-Wire Analog Zone 3 (Urban)		U6LAU	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	KS	SUB-LOOPS	ECS to SAI subloop charge 4-Wire Analog Zone 1 (Rural)		U6LEP	1
13MR-SL	KS	SUB-LOOPS	ECS to SAI subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LEP	2
13MR-SL	KS	SUB-LOOPS	ECS to SAI subloop charge 4-Wire Analog Zone 3 (Urban)		U6LEP	3
13MR-SL	KS	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire Analog Zone 1 (Rural)		U6LEQ	1
13MR-SL	KS	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LEQ	2
13MR-SL	KS	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire Analog Zone 3 (Urban)		U6LEQ	3
13MR-SL	KS	SUB-LOOPS	ECS to NID subloop charge 4-Wire Analog Zone 1 (Rural)		U6LER	1
13MR-SL	KS	SUB-LOOPS	ECS to NID subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LER	2
13MR-SL	KS	SUB-LOOPS	ECS to NID subloop charge 4-Wire-Analog Zone 3 (Urban)		U6LER	3
13MR-SL	KS	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire Analog Zone 1 (Rural)		U6LES	1
13MR-SL	KS	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LES	2
13MR-SL	KS	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire Analog Zone 3 (Urban)		U6LES	3
13MR-SL	KS	SUB-LOOPS	SAI to NID subloop charge 4-Wire Analog Zone 1 (Rural)		U6LET	1
13MR-SL	KS	SUB-LOOPS	SAI to NID subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LET	2
13MR-SL	KS	SUB-LOOPS	SAI to NID subloop charge 4-Wire Analog Zone 3 (Urban)		U6LET	3
13MR-SL	KS	SUB-LOOPS	Terminal to NID subloop charge 4-Wire Analog Zone 1 (Rural)		U6LEU	1
13MR-SL	KS	SUB-LOOPS	Terminal to NID subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LEU	2
13MR-SL	KS	SUB-LOOPS	Terminal to NID subloop charge 4-Wire Analog Zone 3 (Urban)		U6LEU	3
13MR-SL	KS	SUB-LOOPS	ECS to SAI subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCP	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	KS	SUB-LOOPS	ECS to SAI subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCP	2
13MR-SL	KS	SUB-LOOPS	ECS to SAI subloop charge 2-Wire DSL Zone 3 (Urban)		U6LCP	3
13MR-SL	KS	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCQ	1
13MR-SL	KS	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCQ	2
13MR-SL	KS	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire DSL Zone 3 (Urban)		U6LCQ	3
13MR-SL	KS	SUB-LOOPS	ECS to NID subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCR	1
13MR-SL	KS	SUB-LOOPS	ECS to NID subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCR	2
13MR-SL	KS	SUB-LOOPS	ECS to NID subloop charge 2-Wire DSL Zone 3 (Urban)		U6LCR	3
13MR-SL	KS	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCS	1
13MR-SL	KS	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCS	2
13MR-SL	KS	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire DSL Zone 3 (Urban)		U6LCS	3
13MR-SL	KS	SUB-LOOPS	SAI to NID subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCT	1
13MR-SL	KS	SUB-LOOPS	SAI to NID subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCT	2
13MR-SL	KS	SUB-LOOPS	SAI to NID subloop charge 2-Wire DSL Zone 3 (Urban)		U6LCT	3
13MR-SL	KS	SUB-LOOPS	Terminal to NID subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCU	1
13MR-SL	KS	SUB-LOOPS	Terminal to NID subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCU	2
13MR-SL	KS	SUB-LOOPS	Terminal to NID subloop charge 2-Wire DSL Zone 3 (Urban)		U6LCU	3
13MR-SL	KS	SUB-LOOPS	ECS to SAI subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGP	1
13MR-SL	KS	SUB-LOOPS	ECS to SAI subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGP	2
13MR-SL	KS	SUB-LOOPS	ECS to SAI subloop charge 4-Wire DSL Zone 3 (Urban)		U6LGP	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	KS	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGQ	1
13MR-SL	KS	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGQ	2
13MR-SL	KS	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire DSL Zone 3 (Urban)		U6LGQ	3
13MR-SL	KS	SUB-LOOPS	ECS to NID subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGR	1
13MR-SL	KS	SUB-LOOPS	ECS to NID subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGR	2
13MR-SL	KS	SUB-LOOPS	ECS to NID subloop charge 4-Wire DSL Zone 3 (Urban)		U6LGR	3
13MR-SL	KS	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGS	1
13MR-SL	KS	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGS	2
13MR-SL	KS	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire DSL Zone 3 (Urban)		U6LGS	3
13MR-SL	KS	SUB-LOOPS	SAI to NID subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGT	1
13MR-SL	KS	SUB-LOOPS	SAI to NID subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGT	2
13MR-SL	KS	SUB-LOOPS	SAI to NID subloop charge 4-Wire DSL Zone 3 (Urban)		U6LGT	3
13MR-SL	KS	SUB-LOOPS	Terminal to NID subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGU	1
13MR-SL	KS	SUB-LOOPS	Terminal to NID subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGU	2
13MR-SL	KS	SUB-LOOPS	Terminal to NID subloop charge 4-Wire DSL Zone 3 (Urban)		U6LGU	3
13MR-SL	KS	SUB-LOOPS	Subloop Cross Connect 2-Wire Analog Non-Central Office Originating		UKCV2	
13MR-SL	KS	SUB-LOOPS	Subloop Cross Connect 4-Wire Analog Non-Central Office Originating		UKCV4	
13MR-SL	KS	SUB-LOOPS	Subloop Cross Connect 2-Wire DSL Non-Central Office Originating		UKCZ2	
13MR-SL	KS	SUB-LOOPS	Subloop Cross Connect 4-Wire DSL Non-Central Office Originating		UKCZ4	
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Rural)		ULNHS	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNHS	2
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Urban)		ULNHS	3
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone		ULNHS	1
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Rural)		ULNHS	1
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNHS	2
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Urban)		ULNHS	3
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone		ULNHS	1
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Rural)		ULNJS	1
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNJS	2
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Urban)		ULNJS	3
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone		ULNJS	1
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Rural)		ULNJS	1
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNJS	2
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Urban)		ULNJS	3
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone		ULNJS	1
13	KS	UNBUNDLED DEDICATED TRANSPORT	DS1 Cross Connect to Collocation		UCXHX	
13	KS	UNBUNDLED DEDICATED TRANSPORT	DS3 Cross Connect to Collocation		UCXJX	
13	KS	UNBUNDLED DEDICATED TRANSPORT	DS1 to VG - Multiplexing		UM4BX	
13	KS	UNBUNDLED DEDICATED TRANSPORT	DS3 to DS1 - Multiplexing		UM4AX	
13	KS	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber -Interoffice per strand		ULYCX	
13	KS	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per foot Zone 1 (Rural)		ULNCF	1
13	KS	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per foot Zone 2 (Suburban)		ULNCF	2
13	KS	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per foot Zone 3 (Urban)		ULNCF	3
13	KS	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Cross Connect - Interoffice		UKCJX	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	KS	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice Inquiry		NR9D6	
13	KS	UNBUNDLED DEDICATED TRANSPORT	2-wire Analog Loop Cross Connect to POA - Method 1		UXRA1	1
13	KS	UNBUNDLED DEDICATED TRANSPORT	2-wire Analog Loop Cross Connect to POA - Method 2		UXRA2	2
13	KS	UNBUNDLED DEDICATED TRANSPORT	2-wire Analog Loop Cross Connect to POA - Method 3		UXRA3	3
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	Routine Modifications of Existing Facilities Charge		N3RUE	
7	KS	OPERATIONS SUPPORT SYSTEMS (OSS)	Manual New - Simple		NRBUQ	
7	KS	OPERATIONS SUPPORT SYSTEMS (OSS)	Manual Change - Simple		NRBUO	
7	KS	OPERATIONS SUPPORT SYSTEMS (OSS)	Manual Record - Simple		NRBUU	
7	KS	OPERATIONS SUPPORT SYSTEMS (OSS)	Manual Disconnect - Simple		NRBUW	
7	KS	OPERATIONS SUPPORT SYSTEMS (OSS)	Manual Expedited - Simple		NRMV1	
7	KS	OPERATIONS SUPPORT SYSTEMS (OSS)	Manual Customer Not Ready - Simple		NRMV5	
7	KS	OPERATIONS SUPPORT SYSTEMS (OSS)	Manual Due Date Change or Cancellation - Simple		NRMV3	
7	KS	OPERATIONS SUPPORT SYSTEMS (OSS)	Electronic New - Simple		NR9W2	
7	KS	OPERATIONS SUPPORT SYSTEMS (OSS)	Electronic Change - Simple		NR9GG	
7	KS	OPERATIONS SUPPORT SYSTEMS (OSS)	Electronic Record - Simple		NR9GU	
7	KS	OPERATIONS SUPPORT SYSTEMS (OSS)	Electronic Disconnect - Simple		NR9GZ	
7	KS	OPERATIONS SUPPORT SYSTEMS (OSS)	Electronic Expedited - Simple		NRMV7	
7	KS	OPERATIONS SUPPORT SYSTEMS (OSS)	Electronic Customer Not Ready - Simple		NRMV9	
7	KS	OPERATIONS SUPPORT SYSTEMS (OSS)	Electronic Due Date Change or Cancellation Simple -		NRMV8	
7	KS	OPERATIONS SUPPORT SYSTEMS (OSS)	PIC Change Charge		NRBL9	
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual New - Complex		NRBUR	
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Change - Complex		NRBUP	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Record - Complex		NRBUV	
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Disconnect - Complex		NRBUX	
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Expedited - Complex		NRMV2	
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Customer Not Ready - Complex		NRMV6	
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Due Date Change or Cancellation - Complex		NRMV4	
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic New - Complex		NRBGX	
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Change - Complex		NR9G8	
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Record - Complex		NR9G7	
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Disconnect - Complex		NR9G9	
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Expedited - Complex		NRMVX	
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Customer Not Ready - Complex		NRMVY	
13	KS	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Due Date Change or Cancellation Complex		NRMVZ	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEAL2	1
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEAL2	1
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEAL2	2
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEAL2	2
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEAL2	3
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEAL2	3
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEASL	1
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEASL	1
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEASL	2
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEASL	2
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEASL	3
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEASL	3
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Manual Order Coordination for UVL-SL1s (per loop)	UEANL	UEAMC	
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Order Coordination for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1 [DISCONNECT]	UEANL	UREPN	
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL1	UEANL	UREPM	
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1	UEQ	UEQ2X	1
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1 [DISCONNECT]	UEQ	UEQ2X	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2	UEQ	UEQ2X	2
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2 [DISCONNECT]	UEQ	UEQ2X	2
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3	UEQ	UEQ2X	3
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3 [DISCONNECT]	UEQ	UEQ2X	3
14R-CU	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Tag Loop at End User Premise	UEQ	URETL	
14R-CU	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic 1st Half Hour	UEQ	URET1	
14R-CU	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic Additional Half Hour	UEQ	URETA	
15	KY	UNBUNDLED EXCHANGE ACCESS LOOP	Manual Order Coordination 2 Wire Unbundled Copper Loop - Non-Designed (per loop)	UEQ	USBMC	
15	KY	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND	UEQ	UREPN	
15	KY	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND [DISCONNECT]	UEQ	UREPN	
15	KY	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
15	KY	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN	
15	KY	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL2	UEA	UREPM	
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEA	UEAL4	1
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEA	UEAL4	2
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEA	UEAL4	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES	
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 1	UDN	U1L2X	1
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 1 [DISCONNECT]	UDN	U1L2X	1
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 2	UDN	U1L2X	2
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 2 [DISCONNECT]	UDN	U1L2X	2
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 3	UDN	U1L2X	3
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 3 [DISCONNECT]	UDN	U1L2X	3
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 1	UAL	UAL2X	1
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 1 [DISCONNECT]	UAL	UAL2X	1
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 2	UAL	UAL2X	2
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 2 [DISCONNECT]	UAL	UAL2X	2
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 3	UAL	UAL2X	3
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 3 [DISCONNECT]	UAL	UAL2X	3
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 1	UAL	UAL2W	1
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 1 [DISCONNECT]	UAL	UAL2W	1
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 2	UAL	UAL2W	2
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 2 [DISCONNECT]	UAL	UAL2W	2
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 3	UAL	UAL2W	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 3 [DISCONNECT]	UAL	UAL2W	3
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 1	UHL	UHL2X	1
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 1 [DISCONNECT]	UHL	UHL2X	1
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 2	UHL	UHL2X	2
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 2 [DISCONNECT]	UHL	UHL2X	2
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 3	UHL	UHL2X	3
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 3 [DISCONNECT]	UHL	UHL2X	3
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1	UHL	UHL2W	1
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UHL	UHL2W	1
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2	UHL	UHL2W	2
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UHL	UHL2W	2
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3	UHL	UHL2W	3
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UHL	UHL2W	3
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4 Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 1	UHL	UHL4X	1
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4 Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UHL	UHL4X	1
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 2	UHL	UHL4X	2
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UHL	UHL4X	2
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 3	UHL	UHL4X	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UHL	UHL4X	3
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1	UHL	UHL4W	1
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UHL	UHL4W	1
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2	UHL	UHL4W	2
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UHL	UHL4W	2
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3	UHL	UHL4W	3
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UHL	UHL4W	3
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 1	USL	USLXX	1
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 1 [DISCONNECT]	USL	USLXX	1
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 2	USL	USLXX	2
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 2 [DISCONNECT]	USL	USLXX	2
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 3	USL	USLXX	3
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 3 [DISCONNECT]	USL	USLXX	3
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS1)	USL	URESL	
13	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS1)	USL	URESP	
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 1	UCL	UCLPB	1
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 1 [DISCONNECT]	UCL	UCLPB	1
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 2	UCL	UCLPB	2
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 2 [DISCONNECT]	UCL	UCLPB	2
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 3	UCL	UCLPB	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 3 [DISCONNECT]	UCL	UCLPB	3
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1	UCL	UCLPW	1
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UCL	UCLPW	1
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2	UCL	UCLPW	2
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UCL	UCLPW	2
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3	UCL	UCLPW	3
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UCL	UCLPW	3
15	KY	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Order Coordination for Unbundled Copper Loops (per loop)	UCL	UCLMC	
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 1	UCL	UCL4S	1
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UCL	UCL4S	1
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 2	UCL	UCL4S	2
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UCL	UCL4S	2
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 3	UCL	UCL4S	3
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UCL	UCL4S	3
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1	UCL	UCL4W	1
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UCL	UCL4W	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2	UCL	UCL4W	2
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UCL	UCL4W	2
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3	UCL	UCL4W	3
14	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UCL	UCL4W	3
15	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Order Coordination for Unbundled Copper Loops (per loop)	UCL	UCLMC	
15	KY	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop - Order Coordination for Specified Conversion Time (per LSR)	UEA, UDN, UAL, UHL, UDL, USL	OCOSL	
13	KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
13	KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAL2	1
13	KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2	2
13	KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAL2	2
13	KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3
13	KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAL2	3
13	KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1
13	KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAR2	1
13	KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2
13	KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAR2	2
13	KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAR2	3
13	KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES	
13	KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
13	KY	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Loop Tagging - Service Level 2 (SL2)	NTCVG	URETL	
13	KY	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
13	KY	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	NTCVG	UEAL4	1
13	KY	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
13	KY	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	NTCVG	UEAL4	2
13	KY	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
13	KY	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	NTCVG	UEAL4	3
13	KY	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES	
13	KY	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
13	KY	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 1	NTCD1	USLXX	1
13	KY	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 1 [DISCONNECT]	NTCD1	USLXX	1
13	KY	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 2	NTCD1	USLXX	2
13	KY	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 2 [DISCONNECT]	NTCD1	USLXX	2
13	KY	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 3	NTCD1	USLXX	3
13	KY	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 3 [DISCONNECT]	NTCD1	USLXX	3
13	KY	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop -Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS1)	NTCD1	URES	
13	KY	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop -Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS1)	NTCD1	URESP	
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 1	NTCUD	UDL2X	1
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL2X	1
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 2	NTCUD	UDL2X	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL2X	2
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 3	NTCUD	UDL2X	3
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL2X	3
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 1	NTCUD	UDL4X	1
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL4X	1
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 2	NTCUD	UDL4X	2
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL4X	2
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 3	NTCUD	UDL4X	3
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL4X	3
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 1	NTCUD	UDL9X	1
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL9X	1
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 2	NTCUD	UDL9X	2
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL9X	2
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 3	NTCUD	UDL9X	3
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL9X	3
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 1	NTCUD	UDL19	1
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL19	1
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 2	NTCUD	UDL19	2
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL19	2
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 3	NTCUD	UDL19	3
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL19	3
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 1	NTCUD	UDL56	1
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL56	1
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 2	NTCUD	UDL56	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL56	2
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 3	NTCUD	UDL56	3
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL56	3
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 1	NTCUD	UDL64	1
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL64	1
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 2	NTCUD	UDL64	2
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL64	2
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 3	NTCUD	UDL64	3
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL64	3
13	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 19.2, 56 or 64 Kbps - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCUD	URES	
13	KY	UNE LOOP COMMINGLING	Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCUD	URES	
15	KY	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 19.2, 56 or 64 Kbps - Order Coordination for Specified Conversion Time (per LSR)	NTCVG, NTCUD, NTCD1	OCOSL	
13	KY	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Basic Time, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTCD1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULDVX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVB	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	KY	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Overtime, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTC1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULVDX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVOT	
13	KY	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Premium, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTC1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULVDX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVPT	
14	KY	LOOP MODIFICATION	Unbundled Loop Modification, Removal of Load Coils - 2 Wire pair less than or equal to 18k ft, per Unbundled Loop	UAL, UHL, UCL, UEQ, ULS, UEA, UEANL, UEPSR, UEPSB	ULM2L	
14	KY	LOOP MODIFICATION	Unbundled Loop Modification Removal of Load Coils - 4 Wire less than or equal to 18K ft, per Unbundled Loop	UHL, UCL, UEA	ULM4L	
14	KY	LOOP MODIFICATION	Unbundled Loop Modification Removal of Bridged Tap Removal, per unbundled loop	UAL, UHL, UCL, UEQ, ULS, UEA, UEANL, UEPSR, UEPSB	ULMBT	
13MR-SL	KY	SUB-LOOPS	Sub-Loop - Per Cross Box Location - CLEC Feeder Facility Set-Up	UEANL, UEF	USBSA	
13MR-SL	KY	SUB-LOOPS	Sub-Loop - Per Cross Box Location - Per 25 Pair Panel Set-Up	UEANL, UEF	USBSB	
13MR-SL	KY	SUB-LOOPS	Sub-Loop - Per Building Equipment Room - CLEC Feeder Facility Set-Up	UEANL	USBSC	
13MR-SL	KY	SUB-LOOPS	Sub-Loop - Per Building Equipment Room - Per 25 Pair Panel Set-Up	UEANL	USBSD	
13MR-SL	KY	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 1	UEANL	USBN2	1
13MR-SL	KY	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEANL	USBN2	1
13MR-SL	KY	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 2	UEANL	USBN2	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	KY	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEANL	USBN2	2
13MR-SL	KY	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 3	UEANL	USBN2	3
13MR-SL	KY	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEANL	USBN2	3
13	KY	SUB-LOOPS	Order Coordination for Unbundled Sub-Loops, per sub-loop pair	UEANL	USBMC	
13MR-SL	KY	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 1	UEANL	USBN4	1
13MR-SL	KY	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEANL	USBN4	1
13MR-SL	KY	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 2	UEANL	USBN4	2
13MR-SL	KY	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEANL	USBN4	2
13MR-SL	KY	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 3	UEANL	USBN4	3
13MR-SL	KY	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEANL	USBN4	3
13MR-SL	KY	SUB-LOOPS	Sub-Loop 2-Wire Intrabuilding Network Cable (INC)	UEANL	USBR2	
13MR-SL	KY	SUB-LOOPS	Sub-Loop 2-Wire Intrabuilding Network Cable (INC) [DISCONNECT]	UEANL	USBR2	
13MR-SL	KY	SUB-LOOPS	Sub-Loop 4-Wire Intrabuilding Network Cable (INC)	UEANL	USBR4	
13MR-SL	KY	SUB-LOOPS	Sub-Loop 4-Wire Intrabuilding Network Cable (INC) [DISCONNECT]	UEANL	USBR4	
13MR-SL	KY	SUB-LOOPS	Loop Testing - Basic 1st Half Hour	UEANL	URET1	
13MR-SL	KY	SUB-LOOPS	Loop Testing - Basic Additional Half Hour	UEANL	URETA	
13MR-SL	KY	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 1	UEF	UCS2X	1
13MR-SL	KY	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 1 [DISCONNECT]	UEF	UCS2X	1
13MR-SL	KY	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 2	UEF	UCS2X	2
13MR-SL	KY	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 2 [DISCONNECT]	UEF	UCS2X	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	KY	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 3	UEF	UCS2X	3
13MR-SL	KY	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 3 [DISCONNECT]	UEF	UCS2X	3
13	KY	SUB-LOOPS	Order Coordination for Unbundled Sub-Loops, per sub-loop pair	UEF	USBMC	
13MR-SL	KY	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 1	UEF	UCS4X	1
13MR-SL	KY	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 1 [DISCONNECT]	UEF	UCS4X	1
13MR-SL	KY	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 2	UEF	UCS4X	2
13MR-SL	KY	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 2 [DISCONNECT]	UEF	UCS4X	2
13MR-SL	KY	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 3	UEF	UCS4X	3
13MR-SL	KY	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 3 [DISCONNECT]	UEF	UCS4X	3
13MR-SL	KY	SUB-LOOPS	Loop Tagging Service Level 1, Unbundled Copper Loop, Non-Designed and Distribution Subloops	UEF, UEANL	URETL	
13MR-SL	KY	SUB-LOOPS	Loop Testing - Basic 1st Half Hour	UEF	URET1	
13MR-SL	KY	SUB-LOOPS	Loop Testing - Basic Additional Half Hour	UEF	URETA	
13	KY	SUB-LOOPS	Unbundled Sub-Loop Modification - 2-W Copper Dist Load Coil/Equip Removal per 2-W PR	UEF	ULM2X	
13	KY	SUB-LOOPS	Unbundled Sub-loop Modification - 4-W Copper Dist Load Coil/Equip Removal per 4-W PR	UEF	ULM4X	
13	KY	SUB-LOOPS	Unbundled Sub-Loop Modification, Removal of Bridge Tap, per unbundled loop	UEF	ULMBT	
13MR-SL	KY	SUB-LOOPS	Unbundled Network Terminating Wire (UNTW) per Pair	UENTW	UENPP	
13	KY	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-2 lines	UENTW	UND12	
13	KY	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-6 lines	UENTW	UND16	
13	KY	ADDITIONAL NETWORK ELEMENTS	Network Interface Device Cross Connect - 2 W	UENTW	UNDC2	
13	KY	ADDITIONAL NETWORK ELEMENTS	Network Interface Device Cross Connect - 4W	UENTW	UNDC4	
13	KY	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled Contact Name, Provisioning Only - no rate	UAL, UCL, UDC, UDL, UDN, UEA, UHL, UEANL, UEF, UEQ, UENTW, NTCVCG, NTCUD, NTC1, USL	UNECN	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	KY	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled DS1 Loop - Superframe Format Option - no rate	USL, NTCD1	CCOSF	
13	KY	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled DS1 Loop - Expanded Superframe Format option - no rate	USL, NTCD1	CCOEF	
13	KY	UNE OTHER, PROVISIONING ONLY - NO RATE	NID - Dispatch and Service Order for NID installation	UENTW	UNDBX	
13MR-SL	KY	UNE OTHER, PROVISIONING ONLY - NO RATE	UNTW Circuit Establishment, Provisioning Only - No Rate	UENTW	UENCE	
14	KY	LOOP MAKE-UP	Loop Makeup - Preordering Without Reservation, per working or spare facility queried (Manual).	UMK	UMKLW	
14	KY	LOOP MAKE-UP	Loop Makeup - Preordering With Reservation, per spare facility queried (Manual).	UMK	UMKLP	
14	KY	LOOP MAKE-UP	Loop Makeup--With or Without Reservation, per working or spare facility queried (Mechanized)	UMK	UMKMQ	
14R-LS	KY	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation DLEC owned splitter	UEPSR,UEPSB	UREOS	
14R-LS	KY	LINE SPLITTING	End User Ordering - Remote Site Shared Loop Line Activation for End Users - CLEC Owned Splitter	UEPSR, UEPSB	URERS	
14R-LS	KY	LINE SPLITTING	End User Ordering - Remote Site Shared Loop Line Activation for End Users - CLEC Owned Splitter [DISCONNECT]	UEPSR, UEPSB	URERS	
14R-LS	KY	LINE SPLITTING	End User Ordering - Remote Site Shared Loop - Subsequent Activity - CLEC Owned Splitter	UEPSR, UEPSB	URERA	
14R-LS	KY	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1	UEPSR, UEPSB	UEALS	1
14R-LS	KY	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1 [DISCONNECT]	UEPSR, UEPSB	UEALS	1
14R-LS	KY	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1	UEPSR, UEPSB	UEABS	1
14R-LS	KY	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1 [DISCONNECT]	UEPSR, UEPSB	UEABS	1
14R-LS	KY	LINE SPLITTING	2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2	UEPSR, UEPSB	UEALS	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14R-LS	KY	LINE SPLITTING	2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2 [DISCONNECT]	UEPSR, UEPSB	UEALS	2
14R-LS	KY	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2	UEPSR, UEPSB	UEABS	2
14R-LS	KY	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2 [DISCONNECT]	UEPSR, UEPSB	UEABS	2
14R-LS	KY	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3	UEPSR, UEPSB	UEALS	3
14R-LS	KY	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3 [DISCONNECT]	UEPSR, UEPSB	UEALS	3
14R-LS	KY	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3	UEPSR, UEPSB	UEABS	3
14R-LS	KY	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3 [DISCONNECT]	UEPSR, UEPSB	UEABS	3
14R-LS	KY	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 1	UEPSR, UEPSB	UEARS	1
14R-LS	KY	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 1 [DISCONNECT]	UEPSR, UEPSB	UEARS	1
14R-LS	KY	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 2	UEPSR, UEPSB	UEARS	2
14R-LS	KY	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 2 [DISCONNECT]	UEPSR, UEPSB	UEARS	2
14R-LS	KY	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 3	UEPSR, UEPSB	UEARS	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14R-LS	KY	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 3 [DISCONNECT]	UEPSR, UEPSB	UEARS	3
14R-LS	KY	LINE SPLITTING	Unbundled Exchange Access Loop - Physical Collocation-2 Wire Cross Connects (Loop) for Line Splitting	UEPSR, UEPSB	PE1LS	
14R-LS	KY	LINE SPLITTING	Unbundled Exchange Access Loop - Physical Collocation-2 Wire Cross Connects (Loop) for Line Splitting [DISCONNECT]	UEPSR, UEPSB	PE1LS	
14R-LS	KY	LINE SPLITTING	Unbundled Exchange Access Loop - Virtual Collocation-2 Wire Cross Connects (Loop) for Line Splitting	UEPSR, UEPSB	VE1LS	
14R-LS	KY	LINE SPLITTING	Unbundled Exchange Access Loop - Virtual Collocation-2 Wire Cross Connects (Loop) for Line Splitting [DISCONNECT]	UEPSR, UEPSB	VE1LS	
13	KY	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	
13	KY	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1	
13	KY	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination [DISCONNECT]	U1TD1	U1TF1	
13	KY	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
13	KY	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
13	KY	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination [DISCONNECT]	U1TD3	U1TF3	
13	KY	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof	UDF	1L5DF	
13	KY	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof	UDF	UDF14	
13	KY	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof [DISCONNECT]	UDF	UDF14	
13	KY	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - per mile	UE3	1L5ND	
13	KY	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination	UE3	UE3PX	
13	KY	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination [DISCONNECT]	UE3	UE3PX	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	KY	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1	UNCVX	UEAL4	1
13	KY	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1 [DISCONNECT]	UNCVX	UEAL4	1
13	KY	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2	UNCVX	UEAL4	2
13	KY	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2 [DISCONNECT]	UNCVX	UEAL4	2
13	KY	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3	UNCVX	UEAL4	3
13	KY	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3 [DISCONNECT]	UNCVX	UEAL4	3
13	KY	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1
13	KY	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1 [DISCONNECT]	UNC1X	USLXX	1
13	KY	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
13	KY	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2 [DISCONNECT]	UNC1X	USLXX	2
13	KY	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3
13	KY	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3 [DISCONNECT]	UNC1X	USLXX	3
13	KY	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
13	KY	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
13	KY	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination [DISCONNECT]	UNC3X	UE3PX	
13	KY	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
13	KY	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination	UNC1X	U1TF1	
13	KY	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination [DISCONNECT]	UNC1X	U1TF1	
13	KY	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
13	KY	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination	UNC3X	U1TF3	
13	KY	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination [DISCONNECT]	UNC3X	U1TF3	
13	KY	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Extended Frame Option - per DS1	U1TD1, UNC1X	CCOEF	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	KY	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Extended Frame Option - per DS1 [DISCONNECT]	U1TD1, UNC1X	CCOEF	
13	KY	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Super FrameOption - per DS1	U1TD1, UNC1X	CCOSF	
13	KY	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Super FrameOption - per DS1 [DISCONNECT]	U1TD1, UNC1X	CCOSF	
13	KY	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability (SF/ESF) Option - Subsequent Activity - per DS1	U1TD1, UNC1X, USL	NRCCC	
13	KY	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability (SF/ESF) Option - Subsequent Activity - per DS1 [DISCONNECT]	U1TD1, UNC1X, USL	NRCCC	
13	KY	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: C-bit Parity Option - Subsequent Activity - per DS3	U1TD3, UE3, UNC3X	NRCC3	
13	KY	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: C-bit Parity Option - Subsequent Activity - per DS3 [DISCONNECT]	U1TD3, UE3, UNC3X	NRCC3	
13	KY	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1/DS0 Channel System	UNC1X	MQ1	
13	KY	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1/DS0 Channel System [DISCONNECT]	UNC1X	MQ1	
13	KY	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS3/DS1Channel System	UNC3X	MQ3	
13	KY	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS3/DS1Channel System [DISCONNECT]	UNC3X	MQ3	
13	KY	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Voice Grade COCI in combination	UNCVX	1D1VG	
13	KY	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Voice Grade COCI - for 2W-SL2 & 4W Voice Grade Local Loop	UEA	1D1VG	
13	KY	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI in combination	UNC1X	UC1D1	
13	KY	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI - for Stand Alone Interoffice Channel	U1TD1	UC1D1	
13	KY	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI - for DS1 Local Loop	USL, NTCD1	UC1D1	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	KY	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Wholesale - UNE, Switch-As-Is Conversion Charge	UNCVX, UNC1X, UNC3X, XDH1X, HFQC6, XDD2X,-XDV6X	UNCCC	
13	KY	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Unbundled Misc Rate Element, SNE SAI, Single Network Element - Switch As Is Non-recurring Charge, per circuit (LSR)	U1TVX, U1TD3, UDF, UE3	URES	
13	KY	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Unbundled Misc Rate Element, SNE SAI, Single Network Element - Switch As Is Non-recurring Charge, incremental charge per circuit on a spreadsheet	U1TVX, U1TD3, UDF, UE3	URESP	
13	KY	ADDITIONAL NETWORK ELEMENTS	Service Rearrangements - NRC - Order Coordination Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR	
13	KY	COMMINGLING	Commingling Authorization	UNCVX, UNC1X, UNC3X, U1TD3, UE3, U1TVX	CMGAU	
13	KY	COMMINGLING	Commingling Authorization [DISCONNECT]	UNCVX, UNC1X, UNC3X, U1TD3, UE3, U1TVX	CMGAU	
13	KY	COMMINGLING	Commingled VG COCI	XDV2X	1D1VG	
13	KY	COMMINGLING	Commingled 4-wire Local Loop Zone 1	XDV6X	UEAL4	1
13	KY	COMMINGLING	Commingled 4-wire Local Loop Zone 1 [DISCONNECT]	XDV6X	UEAL4	1
13	KY	COMMINGLING	Commingled 4-wire Local Loop Zone 2	XDV6X	UEAL4	2
13	KY	COMMINGLING	Commingled 4-wire Local Loop Zone 2 [DISCONNECT]	XDV6X	UEAL4	2
13	KY	COMMINGLING	Commingled 4-wire Local Loop Zone 3	XDV6X	UEAL4	3
13	KY	COMMINGLING	Commingled 4-wire Local Loop Zone 3 [DISCONNECT]	XDV6X	UEAL4	3
13	KY	COMMINGLING	Commingled DS1 COCI	XDH1X	UC1D1	
13	KY	COMMINGLING	Commingled DS1 Interoffice Channel	XDH1X	U1TF1	
13	KY	COMMINGLING	Commingled DS1 Interoffice Channel [DISCONNECT]	XDH1X	U1TF1	
13	KY	COMMINGLING	Commingled DS1 Interoffice Channel Mileage	XDH1X	1L5XX	
13	KY	COMMINGLING	Commingled DS1/DS0 Channel System	XDH1X	MQ1	
13	KY	COMMINGLING	Commingled DS1/DS0 Channel System [DISCONNECT]	XDH1X	MQ1	
13	KY	COMMINGLING	Commingled DS1 Local Loop Zone 1	XDH1X	USLXX	1
13	KY	COMMINGLING	Commingled DS1 Local Loop Zone 1 [DISCONNECT]	XDH1X	USLXX	1
13	KY	COMMINGLING	Commingled DS1 Local Loop Zone 2	XDH1X	USLXX	2
13	KY	COMMINGLING	Commingled DS1 Local Loop Zone 2 [DISCONNECT]	XDH1X	USLXX	2
13	KY	COMMINGLING	Commingled DS1 Local Loop Zone 3	XDH1X	USLXX	3
13	KY	COMMINGLING	Commingled DS1 Local Loop Zone 3 [DISCONNECT]	XDH1X	USLXX	3
13	KY	COMMINGLING	Commingled DS3 Local Loop	HFQC6	UE3PX	
13	KY	COMMINGLING	Commingled DS3 Local Loop [DISCONNECT]	HFQC6	UE3PX	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	KY	COMMINGLING	Commingled DS3/DS1 Channel System	HFQC6	MQ3	
13	KY	COMMINGLING	Commingled DS3/DS1 Channel System [DISCONNECT]	HFQC6	MQ3	
13	KY	COMMINGLING	Commingled DS3 Interoffice Channel	HFQC6	U1TF3	
13	KY	COMMINGLING	Commingled DS3 Interoffice Channel [DISCONNECT]	HFQC6	U1TF3	
13	KY	COMMINGLING	Commingled DS3 Interoffice Channel Mileage	HFQC6	1L5XX	
13	KY	COMMINGLING	UNE to Commingled Conversion Tracking	XDH1X, HFQC6	CMGUN	
13	KY	COMMINGLING	UNE to Commingled Conversion Tracking [DISCONNECT]	XDH1X, HFQC6	CMGUN	
13	KY	COMMINGLING	SPA to Commingled Conversion Tracking	XDH1X, HFQC6	CMGSP	
13	KY	COMMINGLING	SPA to Commingled Conversion Tracking [DISCONNECT]	XDH1X, HFQC6	CMGSP	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEAL2	1
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEAL2	2
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEAL2	3
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEASL	1
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEASL	2
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEASL	3
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Manual Order Coordination for UVL-SL1s (per loop)	UEANL	UEAMC	
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Order Coordination for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL1	UEANL	UREPM	
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1	UEQ	UEQ2X	1
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2	UEQ	UEQ2X	2
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3	UEQ	UEQ2X	3
14R-CU	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop -Unbundled Miscellaneous Rate Element, Tag Loop at End User Premise	UEQ	URETL	
14R-CU	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop -Loop Testing - Basic 1st Half Hour	UEQ	URET1	
14R-CU	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop -Loop Testing - Basic Additional Half Hour	UEQ	URETA	
15	LA	UNBUNDLED EXCHANGE ACCESS LOOP	Manual Order Coordination 2 Wire Unbundled Copper Loop - Non-Designed (per loop)	UEQ	USBMC	
15	LA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND	UEQ	UREPN	
15	LA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
15	LA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN	
15	LA	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL2	UEA	UREPM	
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 1	UDN	U1L2X	1
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 2	UDN	U1L2X	2
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 3	UDN	U1L2X	3
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 1	UAL	UAL2X	1
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 2	UAL	UAL2X	2
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 3	UAL	UAL2X	3
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 1	UAL	UAL2W	1
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 2	UAL	UAL2W	2
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 3	UAL	UAL2W	3
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 1	UHL	UHL2X	1
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 2	UHL	UHL2X	2
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 3	UHL	UHL2X	3
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1	UHL	UHL2W	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2	UHL	UHL2W	2
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3	UHL	UHL2W	3
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4 Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 1	UHL	UHL4X	1
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 2	UHL	UHL4X	2
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 3	UHL	UHL4X	3
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1	UHL	UHL4W	1
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2	UHL	UHL4W	2
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3	UHL	UHL4W	3
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 1	USL	USLXX	1
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 2	USL	USLXX	2
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 3	USL	USLXX	3
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS1)	USL	URES	
13	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS1)	USL	URESP	
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 1	UCL	UCLPB	1
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 2	UCL	UCLPB	2
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 3	UCL	UCLPB	3
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1	UCL	UCLPW	1
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2	UCL	UCLPW	2
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3	UCL	UCLPW	3
15	LA	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Order Coordination for Unbundled Copper Loops (per loop)	UCL	UCLMC	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 1	UCL	UCL4S	1
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 2	UCL	UCL4S	2
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 3	UCL	UCL4S	3
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1	UCL	UCL4W	1
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2	UCL	UCL4W	2
14	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3	UCL	UCL4W	3
15	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop - Order Coordination for Unbundled Copper Loops (per loop)	UCL	UCLMC	
15	LA	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop - Order Coordination for Specified Conversion Time (per LSR)	UEA, UDN, UAL, UHL, UDL, USL	OCOSL	
13	LA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
13	LA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2	2
13	LA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3
13	LA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1
13	LA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2
13	LA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3
13	LA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES	
13	LA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
13	LA	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Loop Tagging - Service Level 2 (SL2)	NTCVG	URETL	
13	LA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	LA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	NTCVG	UEAL4	1
13	LA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
13	LA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	NTCVG	UEAL4	2
13	LA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
13	LA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	NTCVG	UEAL4	3
13	LA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES	
13	LA	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
13	LA	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 1	NTCD1	USLXX	1
13	LA	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 2	NTCD1	USLXX	2
13	LA	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 3	NTCD1	USLXX	3
13	LA	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop -Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS1)	NTCD1	URES	
13	LA	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop -Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS1)	NTCD1	URESP	
13	LA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 1	NTCUD	UDL2X	1
13	LA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 2	NTCUD	UDL2X	2
13	LA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone3	NTCUD	UDL2X	3
13	LA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 1	NTCUD	UDL4X	1
13	LA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 2	NTCUD	UDL4X	2
13	LA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 3	NTCUD	UDL4X	3
13	LA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 1	NTCUD	UDL9X	1
13	LA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 2	NTCUD	UDL9X	2
13	LA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 3	NTCUD	UDL9X	3
13	LA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 1	NTCUD	UDL19	1
13	LA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 2	NTCUD	UDL19	2
13	LA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 3	NTCUD	UDL19	3
13	LA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 1	NTCUD	UDL56	1
13	LA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 2	NTCUD	UDL56	2
13	LA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 3	NTCUD	UDL56	3
13	LA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 1	NTCUD	UDL64	1
13	LA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 2	NTCUD	UDL64	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	LA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 3	NTCUD	UDL64	3
13	LA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 19.2, 56 or 64 Kbps - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCUD	URES	
13	LA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 19.2, 56 or 64 Kbps - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCUD	URES	
15	LA	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 19.2, 56 or 64 Kbps - Order Coordination for Specified Conversion Time (per LSR)	NTCVG, NTCUD, NTC1	OCOS	
13	LA	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Basic Time, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTC1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULDVX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVBT	
13	LA	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Overtime, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTC1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULDVX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVOT	
13	LA	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Premium, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTC1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULDVX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVPT	
14	LA	LOOP MODIFICATION	Unbundled Loop Modification, Removal of Load Coils - 2 Wire pair less than or equal to 18k ft, per Unbundled Loop	UAL, UHL, UCL, UEQ, ULS, UEA, UEANL, UEPSR, UEPSB	ULM2L	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	LA	LOOP MODIFICATION	Unbundled Loop Modification Removal of Load Coils - 4 Wire less than or equal to 18K ft, per Unbundled Loop	UHL, UCL, UEA	ULM4L	
14	LA	LOOP MODIFICATION	Unbundled Loop Modification Removal of Bridged Tap Removal, per unbundled loop	UAL, UHL, UCL, UEQ, ULS, UEA, UEANL, UEPSR, UEPSB	ULMBT	
13MR-SL	LA	SUB-LOOPS	Sub-Loop - Per Cross Box Location - CLEC Feeder Facility Set-Up	UEANL, UEF	USBSA	
13MR-SL	LA	SUB-LOOPS	Sub-Loop - Per Cross Box Location - Per 25 Pair Panel Set-Up	UEANL, UEF	USBSB	
13MR-SL	LA	SUB-LOOPS	Sub-Loop - Per Building Equipment Room - CLEC Feeder Facility Set-Up	UEANL	USBSC	
13MR-SL	LA	SUB-LOOPS	Sub-Loop - Per Building Equipment Room - Per 25 Pair Panel Set-Up	UEANL	USBSD	
13MR-SL	LA	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 1	UEANL	USBN2	1
13MR-SL	LA	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 2	UEANL	USBN2	2
13MR-SL	LA	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 3	UEANL	USBN2	3
13	LA	SUB-LOOPS	Order Coordination for Unbundled Sub-Loops, per sub-loop pair	UEANL	USBMC	
13MR-SL	LA	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 1	UEANL	USBN4	1
13MR-SL	LA	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 2	UEANL	USBN4	2
13MR-SL	LA	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 3	UEANL	USBN4	3
13MR-SL	LA	SUB-LOOPS	Sub-Loop 2-Wire Intrabuilding Network Cable (INC)	UEANL	USBR2	
13MR-SL	LA	SUB-LOOPS	Sub-Loop 4-Wire Intrabuilding Network Cable (INC)	UEANL	USBR4	
13MR-SL	LA	SUB-LOOPS	Loop Testing - Basic 1st Half Hour	UEANL	URET1	
13MR-SL	LA	SUB-LOOPS	Loop Testing - Basic Additional Half Hour	UEANL	URETA	
13MR-SL	LA	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 1	UEF	UCS2X	1
13MR-SL	LA	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 2	UEF	UCS2X	2
13MR-SL	LA	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 3	UEF	UCS2X	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	LA	SUB-LOOPS	Order Coordination for Unbundled Sub-Loops, per sub-loop pair	UEF	USBMC	
13MR-SL	LA	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 1	UEF	UCS4X	1
13MR-SL	LA	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 2	UEF	UCS4X	2
13MR-SL	LA	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 3	UEF	UCS4X	3
13MR-SL	LA	SUB-LOOPS	Loop Tagging Service Level 1, Unbundled Copper Loop, Non-Designed and Distribution Subloops	UEF, UEANL	URETL	
13MR-SL	LA	SUB-LOOPS	Loop Testing - Basic 1st Half Hour	UEF	URET1	
13MR-SL	LA	SUB-LOOPS	Loop Testing - Basic Additional Half Hour	UEF	URETA	
13	LA	SUB-LOOPS	Unbundled Sub-Loop Modification - 2-W Copper Dist Load Coil/Equip Removal per 2-W PR	UEF	ULM2X	
13	LA	SUB-LOOPS	Unbundled Sub-loop Modification - 4-W Copper Dist Load Coil/Equip Removal per 4-W PR	UEF	ULM4X	
13	LA	SUB-LOOPS	Unbundled Sub-Loop Modification, Removal of Bridge Tap, per unbundled loop	UEF	ULMBT	
13MR-SL	LA	SUB-LOOPS	Unbundled Network Terminating Wire (UNTW) per Pair	UENTW	UENPP	
13	LA	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-2 lines	UENTW	UND12	
13	LA	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-6 lines	UENTW	UND16	
13	LA	ADDITIONAL NETWORK ELEMENTS	Network Interface Device Cross Connect - 2 W	UENTW	UNDC2	
13	LA	ADDITIONAL NETWORK ELEMENTS	Network Interface Device Cross Connect - 4W	UENTW	UNDC4	
13	LA	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled Contact Name, Provisioning Only - no rate	UAL, UCL, UDC, UDL, UDN, UEA, UHL, UEANL, UEF, UEQ, UENTW, NTCVG, NTCUD, NTCD1, USL	UNECN	
13	LA	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled DS1 Loop - Superframe Format Option - no rate	USL, NTCD1	CCOSF	
13	LA	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled DS1 Loop - Expanded Superframe Format option - no rate	USL, NTCD1	CCOEF	
13	LA	UNE OTHER, PROVISIONING ONLY - NO RATE	NID - Dispatch and Service Order for NID installation	UENTW	UNDBX	
13MR-SL	LA	UNE OTHER, PROVISIONING ONLY - NO RATE	UNTW Circuit Establishment, Provisioning Only - No Rate	UENTW	UENCE	
14	LA	LOOP MAKE-UP	Loop Makeup - Preordering Without Reservation, per working or spare facility queried (Manual).	UMK	UMKLW	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	LA	LOOP MAKE-UP	Loop Makeup - Preordering With Reservation, per spare facility queried (Manual).	UMK	UMKLP	
14	LA	LOOP MAKE-UP	Loop Makeup--With or Without Reservation, per working or spare facility queried (Mechanized)	UMK	UMKMQ	
14R-LS	LA	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation DLEC owned splitter	UEPSR, UEPSB	UREOS	
14R-LS	LA	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation AT&T owned - physical	UEPSR, UEPSB	UREBP	
14R-LS	LA	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation AT&T owned - virtual	UEPSR, UEPSB	UREBV	
14R-LS	LA	LINE SPLITTING	End User Ordering - Remote Site Shared Loop Line Activation for End Users - CLEC Owned Splitter	UEPSR, UEPSB	URERS	
14R-LS	LA	LINE SPLITTING	End User Ordering - Remote Site Shared Loop Line Activation for End Users - CLEC Owned Splitter [DISCONNECT]	UEPSR, UEPSB	URERS	
14R-LS	LA	LINE SPLITTING	End User Ordering - Remote Site Shared Loop - Subsequent Activity - CLEC Owned Splitter	UEPSR, UEPSB	URERA	
14R-LS	LA	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1	UEPSR, UEPSB	UEALS	1
14R-LS	LA	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1 [DISCONNECT]	UEPSR, UEPSB	UEALS	1
14R-LS	LA	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1	UEPSR, UEPSB	UEABS	1
14R-LS	LA	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1 [DISCONNECT]	UEPSR, UEPSB	UEABS	1
14R-LS	LA	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2	UEPSR, UEPSB	UEALS	2
14R-LS	LA	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2 [DISCONNECT]	UEPSR, UEPSB	UEALS	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14R-LS	LA	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2	UEPSR, UEPSB	UEABS	2
14R-LS	LA	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2 [DISCONNECT]	UEPSR, UEPSB	UEABS	2
14R-LS	LA	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3	UEPSR, UEPSB	UEALS	3
14R-LS	LA	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3 [DISCONNECT]	UEPSR, UEPSB	UEALS	3
14R-LS	LA	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3	UEPSR, UEPSB	UEABS	3
14R-LS	LA	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3 [DISCONNECT]	UEPSR, UEPSB	UEABS	3
14R-LS	LA	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 1	UEPSR, UEPSB	UEARS	1
14R-LS	LA	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 1 [DISCONNECT]	UEPSR, UEPSB	UEARS	1
14R-LS	LA	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 2	UEPSR, UEPSB	UEARS	2
14R-LS	LA	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 2 [DISCONNECT]	UEPSR, UEPSB	UEARS	2
14R-LS	LA	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 3	UEPSR, UEPSB	UEARS	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14R-LS	LA	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 3 [DISCONNECT]	UEPSR, UEPSB	UEARS	3
14R-LS	LA	LINE SPLITTING	Unbundled Exchange Access Loop - Physical Collocation-2 Wire Cross Connects (Loop) for Line Splitting	UEPSR, UEPSB	PE1LS	
14R-LS	LA	LINE SPLITTING	Unbundled Exchange Access Loop - Physical Collocation-2 Wire Cross Connects (Loop) for Line Splitting [DISCONNECT]	UEPSR, UEPSB	PE1LS	
14R-LS	LA	LINE SPLITTING	Unbundled Exchange Access Loop - Virtual Collocation-2 Wire Cross Connects (Loop) for Line Splitting	UEPSR, UEPSB	VE1LS	
14R-LS	LA	LINE SPLITTING	Unbundled Exchange Access Loop - Virtual Collocation-2 Wire Cross Connects (Loop) for Line Splitting [DISCONNECT]	UEPSR, UEPSB	VE1LS	
13	LA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	
13	LA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1	
13	LA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
13	LA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
13	LA	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof	UDF	1L5DF	
13	LA	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof	UDF	UDF14	
13	LA	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - per mile	UE3	1L5ND	
13	LA	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination	UE3	UE3PX	
13	LA	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1	UNCVX	UEAL4	1
13	LA	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2	UNCVX	UEAL4	2
13	LA	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3	UNCVX	UEAL4	3
13	LA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1
13	LA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
13	LA	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3
13	LA	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	LA	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
13	LA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
13	LA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination	UNC1X	U1TF1	
13	LA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
13	LA	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination	UNC3X	U1TF3	
13	LA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Extended Frame Option - per DS1	U1TD1, UNC1X	CCOEF	
13	LA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Extended Frame Option - per DS1 [DISCONNECT]	U1TD1, UNC1X	CCOEF	
13	LA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Super FrameOption - per DS1	U1TD1, UNC1X	CCOSF	
13	LA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Super FrameOption - per DS1 [DISCONNECT]	U1TD1, UNC1X	CCOSF	
13	LA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability (SF/ESF) Option - Subsequent Activity - per DS1	U1TD1, UNC1X, USL	NRCCC	
13	LA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability (SF/ESF) Option - Subsequent Activity - per DS1 [DISCONNECT]	U1TD1, UNC1X, USL	NRCCC	
13	LA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: C-bit Parity Option - Subsequent Activity - per DS3	U1TD3, UE3, UNC3X	NRCC3	
13	LA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: C-bit Parity Option - Subsequent Activity - per DS3 [DISCONNECT]	U1TD3, UE3, UNC3X	NRCC3	
13	LA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1/DS0 Channel System	UNC1X	MQ1	
13	LA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS3/DS1Channel System	UNC3X	MQ3	
13	LA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Voice Grade COCI - for 2W-SL2 & 4W Voice Grade Local Loop	UEA	1D1VG	
13	LA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Voice Grade COCI - for 2W-SL2 & 4W Voice Grade Local Loop	UNCVX	1D1VG	
13	LA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI in combination	UNC1X	UC1D1	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	LA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI - for Stand Alone Interoffice Channel	U1TD1	UC1D1	
13	LA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI - for DS1 Local Loop	USL, NTCD1	UC1D1	
13	LA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Wholesale - UNE, Switch-As-Is Conversion Charge	UNCVX, UNC1X, UNC3X, XDH1X, HFQC6, XDD2X,-XDV6X	UNCCC	
13	LA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Unbundled Misc Rate Element, SNE SAI, Single Network Element - Switch As Is Non-recurring Charge, per circuit (LSR)	U1TVX, U1TD3, UDF, UE3	URES	
13	LA	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Unbundled Misc Rate Element, SNE SAI, Single Network Element - Switch As Is Non-recurring Charge, incremental charge per circuit on a spreadsheet	U1TVX, U1TD3, UDF, UE3	URESP	
13	LA	ADDITIONAL NETWORK ELEMENTS	Service Rearrangements - NRC - Order Coordination Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR	
13	LA	COMMINGLING	Commingling Authorization	UNCVX, UNC1X, UNC3X, U1TD3, UE3, U1TVX	CMGAU	
13	LA	COMMINGLING	Commingled VG COCI	XDV2X	1D1VG	
13	LA	COMMINGLING	Commingled 4-wire Local Loop Zone 1	XDV6X	UEAL4	1
13	LA	COMMINGLING	Commingled 4-wire Local Loop Zone 2	XDV6X	UEAL4	2
13	LA	COMMINGLING	Commingled 4-wire Local Loop Zone 3	XDV6X	UEAL4	3
13	LA	COMMINGLING	Commingled DS1 COCI	XDH1X	UC1D1	
13	LA	COMMINGLING	Commingled DS1 Interoffice Channel	XDH1X	U1TF1	
13	LA	COMMINGLING	Commingled DS1 Interoffice Channel Mileage	XDH1X	1L5XX	
13	LA	COMMINGLING	Commingled DS1/DS0 Channel System	XDH1X	MQ1	
13	LA	COMMINGLING	Commingled DS1 Local Loop Zone 1	XDH1X	USLXX	1
13	LA	COMMINGLING	Commingled DS1 Local Loop Zone 2	XDH1X	USLXX	2
13	LA	COMMINGLING	Commingled DS1 Local Loop Zone 3	XDH1X	USLXX	3
13	LA	COMMINGLING	Commingled DS3 Local Loop	HFQC6	UE3PX	
13	LA	COMMINGLING	Commingled DS3/DS1 Channel System	HFQC6	MQ3	
13	LA	COMMINGLING	Commingled DS3 Interoffice Channel	HFQC6	U1TF3	
13	LA	COMMINGLING	Commingled DS3 Interoffice Channel Mileage	HFQC6	1L5XX	
13	LA	COMMINGLING	UNE to Commingled Conversion Tracking	XDH1X, HFQC6	CMGUN	
13	LA	COMMINGLING	UNE to Commingled Conversion Tracking [DISCONNECT]	XDH1X, HFQC6	CMGUN	
13	LA	COMMINGLING	SPA to Commingled Conversion Tracking	XDH1X, HFQC6	CMGSP	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	LA	COMMINGLING	SPA to Commingled Conversion Tracking [DISCONNECT]	XDH1X, HFQC6	CMGSP	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Rural (Zone C)	MUJ++, EE7JX, UOB++, UOR++	U2HC1	C
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Suburban (Zone B)	MUJ++, EE7JX, UOB++, UOR++	U2HB1	B
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Metro (Zone A)	MUJ++, EE7JX, UOB++, UOR++	U2HAA	A
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Ground Start, Analog DID/Reverse Battery - Rural (Zone C)	MUJ++, EE7JX, UOB++, UOR++	U2WC1	C
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Ground Start, Analog DID/Reverse Battery - Suburban (Zone B)	MUJ++, EE7JX, UOB++, UOR++	U2WB1	B
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Ground Start, Analog DID/Reverse Battery - Metro (Zone A)	MUJ++, EE7JX, UOB++, UOR++	U2WAA	A
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Ground Start, PBX - Rural (Zone C)	MUJ++, EE7JX, UOB++, UOR++	U2JC1	C
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Ground Start, PBX - Suburban (Zone B)	MUJ++, EE7JX, UOB++, UOR++	U2JB1	B
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Ground Start, PBX - Metro (Zone A)	MUJ++, EE7JX, UOB++, UOR++	U2JAA	A
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - COPTS Coin - Rural (Zone C)	MUJ++, EE7JX, UOB++, UOR++	U2CC1	C
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - COPTS Coin - Suburban (Zone B)	MUJ++, EE7JX, UOB++, UOR++	U2CB1	B
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - COPTS Coin - Metro (Zone A)	MUJ++, EE7JX, UOB++, UOR++	U2CAA	A
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - EKL - Rural (Zone C)	MUJ++, EE7JX, UOB++, UOR++	U2KC1	C
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - EKL - Suburban (Zone B)	MUJ++, EE7JX, UOB++, UOR++	U2KB1	B
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - EKL - Metro (Zone A)	MUJ++, EE7JX, UOB++, UOR++	U2KAA	A
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Rural (Zone C)	MUJ++, EE7KX, UOB++, UOR++	U4HC1	C
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Suburban (Zone B)	MUJ++, EE7KX, UOB++, UOR++	U4HB1	B
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Metro (Zone A)	MUJ++, EE7KX, UOB++, UOR++	U4HAA	A
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital - Rural (Zone C)	MUJ++, EE7LX, UOB++, UOR++	U2QC1	C
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital - Suburban (Zone B)	MUJ++, EE7LX, UOB++, UOR++	U2QB1	B
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital - Metro (Zone A)	MUJ++, EE7LX, UOB++, UOR++	U2QAA	A
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop - Rural (Zone C)	MUJ++, EE7MX, UOB++, UOR++	4U1C1	C
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop - Suburban (Zone B)	MUJ++, EE7MX, UOB++, UOR++	4U1B1	B
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop - Metro (Zone A)	MUJ++, EE7MX, UOB++, UOR++	4U1AA	A
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Rural (Zone C)	MUJ++, EE7NX, UOB++, UOR++	U4D3C	C
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Suburban (Zone B)	MUJ++, EE7NX, UOB++, UOR++	U4D3B	B
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Metro (Zone A)	MUJ++, EE7NX, UOB++, UOR++	U4D3A	A
14	MI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop Access Area C - Rural	MUJ++, UOB++, UOR++	2SLA3	C
14	MI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop Access Area B - Suburban	MUJ++, UOB++, UOR++	2SLA2	B

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	MI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop Access Area A - Metro	MUJ++, UOB++, UOR++	2SLA1	A
14	MI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop Access Area C - Rural	MUJ++, UOB++, UOR++	2SLC3	C
14	MI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop Access Area B - Suburban	MUJ++, UOB++, UOR++	2SLC2	B
14	MI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop Access Area A - Metro	MUJ++, UOB++, UOR++	2SLC1	A
14	MI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop Access Area C - Rural	MUJ++, UOB++, UOR++	2SLB3	C
14	MI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop Access Area B - Suburban	MUJ++, UOB++, UOR++	2SLB2	B
14	MI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop Access Area A - Metro	MUJ++, UOB++, UOR++	2SLB1	A
14	MI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop Access Area C - Rural	MUJ++, UOB++, UOR++	2SLD3	C
14	MI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop Access Area B - Suburban	MUJ++, UOB++, UOR++	2SLD2	B
14	MI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop Access Area A - Metro	MUJ++, UOB++, UOR++	2SLD1	A
14	MI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop Access Area C - Rural	MUJ++, UOB++, UOR++	UWRA3	C
14	MI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop Access Area B - Suburban	MUJ++, UOB++, UOR++	UWRA2	B
14	MI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop Access Area A - Metro	MUJ++, UOB++, UOR++	UWRA1	A
14	MI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop Access Area C - Rural	MUJ++, UOB++, UOR++	2SLF3	C
14	MI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop Access Area B - Suburban	MUJ++, UOB++, UOR++	2SLF2	B
14	MI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop Access Area A - Metro	MUJ++, UOB++, UOR++	2SLF1	A
14	MI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop Access Area C- Rural	MUJ++, UOB++, UOR++	4SL13	C
14	MI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop Access Area B - Suburban	MUJ++, UOB++, UOR++	4SL12	B
14	MI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop Access Area A - Metro	MUJ++, UOB++, UOR++	4SL11	A
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Loop Access Area C - Rural	MUJ++, UOB++, UOR++	UY5FC	C
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Loop Access Area B - Suburban	MUJ++, UOB++, UOR++	UY5FB	B
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Loop Access Area A - Metro	MUJ++, UOB++, UOR++	UY5FA	A
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Service Order- Initial	MUJ++, EE7JX, EE7KX, EE7LX, UOB++, UOR++	SEPUP	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Service Order- Disconnect	MUJ++, EE7JX, EE7KX, EE7LX, UOB++, UOR++	NR9OE	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Service Order- Subsequent	MUJ++, EE7JX, EE7KX, EE7LX, UOB++, UOR++	REAH9	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Connection	MUJ++, EE7JX, EE7KX, EE7LX, UOB++, UOR++	SEPUC	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Disconnect	MUJ++, EE7JX, EE7KX, EE7LX, UOB++, UOR++	NR9OG	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Loop - Record Work Only	MUJ++, EE7JX, EE7KX, EE7LX, UOB++, UOR++	NR9UP	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	DS0 - Service Administration Charge, per order - Install		NR9OH	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	DS0 - Service Design and CO Connection Charge, per circuit - Install		NR9OK	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	DS0 - Service Carrier Connection Charge per Termination - Install		NR9ON	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	DS0 - Service Digital Loop Disconnect Service Order	MUJ++, EE7JX, UOB++, UOR++	NKCQM	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	DS0 - Service Digital Loop Disconnect, per Loop	MUJ++, EE7JX, UOB++, UOR++	NKCQN	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge-Analog Loop, per last critical date reached	MUJ++, EE7KX, UOB++, UOR++	NKCU1	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge-Analog Loop, per last critical date reached Design Layout Report Date	MUJ++, EE7KX, UOB++, UOR++	NR95O	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge-Analog Loop, per last critical date reached Records Issue Date	MUJ++, EE7KX, UOB++, UOR++	NR95P	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge-Analog Loop, per last critical date reached Designed, Verified, and Assigned Date	MUJ++, EE7KX, UOB++, UOR++	NR95Q	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge-Analog Loop, per last critical date reached Plant Test Date	MUJ++, EE7KX, UOB++, UOR++	NR95R	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge-DS0 Loop, per last critical date reached	MUJ++, EE7LX, UOB++, UOR++	NKCUA	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge-DS0 Loop, per last critical date reached Design Layout Report Date	MUJ++, EE7LX, UOB++, UOR++	NR95S	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge-DS0 Loop, per last critical date reached Records Issue Date	MUJ++, EE7LX, UOB++, UOR++	NR95T	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge-DS0 Loop, per last critical date reached Designed, Verified, and Assigned Date	MUJ++, EE7LX, UOB++, UOR++	NR95U	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge-DS0 Loop, per last critical date reached Plant Test Date	MUJ++, EE7LX, UOB++, UOR++	NR95V	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Due Date Change Charge, per Order, per Occasion Analog Loop	MUJ++, EE7KX, EE7JX, UOB++, UOR++	NR955	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Due Date Change Charge, per Order, per Occasion DS0 Loop	MUJ++, EE7LX, UOB++, UOR++	NR956	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 - Service Non-Recurring Charges Administration Charge, per order - Install	MUJ++, EE7MX, UOB++, UOR++	NR9OR	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 - Service Non-Recurring Charges Service Provisioning Charge, per circuit, Install	MUJ++, EE7MX, UOB++, UOR++	NKCU2	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 - Service Non-Recurring Charges Administration Charge, per order - Disconnect	MUJ++, EE7MX, UOB++, UOR++	NR9OT	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 - Service Non-Recurring Charges Service Provisioning Charge, per circuit, Disconnect	MUJ++, EE7MX, UOB++, UOR++	NKCU3	
7	MI	OPERATIONS SUPPORT SYSTEM	Cancellation or Change Service Charge - DS1 Loop, per last critical date reached	MUJ++, EE7MX, UOB++, UOR++	NKCU4	
7	MI	OPERATIONS SUPPORT SYSTEM	Cancellation or Change Service Charge - DS1 Loop, per last critical date reached Digital DS1 Loops - Design Layout Report Date	MUJ++, EE7MX, UOB++, UOR++	NR95W	
7	MI	OPERATIONS SUPPORT SYSTEM	Cancellation or Change Service Charge - DS1 Loop, per last critical date reached Digital DS1 Loops - Record Issue Date	MUJ++, EE7MX, UOB++, UOR++	NR95X	
7	MI	OPERATIONS SUPPORT SYSTEM	Cancellation or Change Service Charge - DS1 Loop, per last critical date reached Digital DS1 Loops - Designed, Verified & Assigned Date	MUJ++, EE7MX, UOB++, UOR++	NR95Y	
7	MI	OPERATIONS SUPPORT SYSTEM	Cancellation or Change Service Charge - DS1 Loop, per last critical date reached Digital DS1 Loops - Plant Test Date	MUJ++, EE7MX, UOB++, UOR++	NR95Z	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 - Service Non-Recurring Charges Administration Charge, per order - Install	MUJ++, EE7NX, UOB++, UOR++	NR9OY	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 - Service Non-Recurring Charges Service Provisioning Charge, per circuit, Install	MUJ++, EE7NX, UOB++, UOR++	NKCU5	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 - Service Non-Recurring Charges Administration Charge, per order - Disconnect	MUJ++, EE7NX, UOB++, UOR++	NR9OZ	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 - Service Non-Recurring Charges Service Provisioning Charge, per circuit, Disconnect	MUJ++, EE7NX, UOB++, UOR++	NKCU6	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge - DS3 Loop, per last critical date reached	MUJ++, EE7NX, UOB++, UOR++	NKCU7	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge - DS3 Loop, per last critical date reached Digital DS3 Loops - Design Layout Report Date	MUJ++, EE7NX, UOB++, UOR++	NR951	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge - DS3 Loop, per last critical date reached Digital DS3 Loops - Record Issue Date	MUJ++, EE7NX, UOB++, UOR++	NR952	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge - DS3 Loop, per last critical date reached Digital DS3 Loops - Designed, Verified & Assigned Date	MUJ++, EE7NX, UOB++, UOR++	NR953	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge - DS3 Loop, per last critical date reached Digital DS3 Loops - Plant Test Date	MUJ++, EE7NX, UOB++, UOR++	NR954	
7	MI	OPERATIONS SUPPORT SYSTEM	Service Coordination Fee, per central office	MUJ++, UOB++, UOR++	UFE	
14	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Line & Station Transfer (LST) performed on CODSLAM Loop	MUJ++, UOB++, UOR++	URCLD	
13MR-SL	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Line & Station Transfer (LST) performed on Sub Loop	MUJ++, UOB++, UOR++	URCLB	
14	MI	LOOP MAKE-UP	Loop Qualification Process - Mechanized	MUJ++, UOB++, UOR++	NR98U	
14	MI	LOOP MAKE-UP	Loop Qualification Process - Manual	MUJ++, UOB++, UOR++	NRBXU	
14	MI	LOOP MODIFICATION	DSL Conditioning Options - >12KFT and < 17.5KFT Removal of Repeater Options	MUJ++, UOB++, UOR++	NRBXV	
14	MI	LOOP MODIFICATION	DSL Conditioning Options - >12KFT and < 17.5KFT Removal Bridged Tap Option	MUJ++, UOB++, UOR++	NRBXW	
14	MI	LOOP MODIFICATION	DSL Conditioning Options - >12KFT and < 17.5KFT Removal of Load Coil	MUJ++, UOB++, UOR++	NRBXZ	
14	MI	LOOP MODIFICATION	DSL Conditioning Options - >17.5KFT in addition to the rates for > 12KFT and < 17.5KFT Removal of Repeater Options	MUJ++, UOB++, UOR++	NRBNL	
14	MI	LOOP MODIFICATION	DSL Conditioning Options - >17.5KFT in addition to the rates for > 12KFT and < 17.5KFT Removal Bridged Tap Option	MUJ++, UOB++, UOR++	NRBNK	
14	MI	LOOP MODIFICATION	DSL Conditioning Options - >17.5KFT in addition to the rates for > 12KFT and < 17.5KFT Removal of Load Coil	MUJ++, UOB++, UOR++	NRBNJ	
14	MI	LOOP MODIFICATION	Remove All or NON-Excessive Bridged Tap (RABT) - MMP Removal of non - excessive bridged tap DSL Loops > 0kft and < 17.5 Kft	MUJ++, UOB++, UOR++	NRMRJ	
14	MI	LOOP MODIFICATION	Remove All or NON-Excessive Bridged Tap (RABT) - MMP Removal of All bridged tap DSL Loops > 12 Kft to 17.5 Kft	MUJ++, UOB++, UOR++	NRMRP	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	MI	LOOP MODIFICATION	Remove All or NON-Excessive Bridged Tap (RABT) - MMP Removal of non - excessive bridged tap DSL Loops > 17.5 Kft DSL Loops - per element incremental	MUJ++, UOB++, UOR++	NRMRS	
14	MI	LOOP MODIFICATION	Remove All or NON-Excessive Bridged Tap (RABT) - MMP Removal of All bridged tap DSL Loops > 17.5 Kft - per element incremental	MUJ++, UOB++, UOR++	NRMRM	
13MR-SL	MI	SUB-LOOPS	ECS to SAI Sub-loop 2-Wire Analog - area A	XHG++, XGG++	U7SPA	A
13MR-SL	MI	SUB-LOOPS	ECS to SAI Sub-loop 2-Wire Analog - area B	XHG++, XGG++	U7SPB	B
13MR-SL	MI	SUB-LOOPS	ECS to SAI Sub-loop 2-Wire Analog - area C	XHG++, XGG++	U7SPC	C
13MR-SL	MI	SUB-LOOPS	ECS to SAI Sub-loop 4-Wire Analog - area A	XHK++, XGK++	U7SPA	A
13MR-SL	MI	SUB-LOOPS	ECS to SAI Sub-loop 4-Wire Analog - area B	XHK++, XGK++	U7SPB	B
13MR-SL	MI	SUB-LOOPS	ECS to SAI Sub-loop 4-Wire Analog - area C	XHK++, XGK++	U7SPC	C
13MR-SL	MI	SUB-LOOPS	ECS to SAI Sub-loop 2-Wire DSL - area A	XHW++, XGW++	U7SPA	A
13MR-SL	MI	SUB-LOOPS	ECS to SAI Sub-loop 2-Wire DSL - area B	XHW++, XGW++	U7SPB	B
13MR-SL	MI	SUB-LOOPS	ECS to SAI Sub-loop 2-Wire DSL - area C	XHW++, XGW++	U7SPC	C
13MR-SL	MI	SUB-LOOPS	ECS to SAI Sub-loop 4-Wire DSL - area A	XHY++, XGY++	U7SPA	A
13MR-SL	MI	SUB-LOOPS	ECS to SAI Sub-loop 4-Wire DSL - area B	XHY++, XGY++	U7SPB	B
13MR-SL	MI	SUB-LOOPS	ECS to SAI Sub-loop 4-Wire DSL - area C	XHY++, XGY++	U7SPC	C
13MR-SL	MI	SUB-LOOPS	ECS to Terminal Sub-loop 2-Wire Analog - area A	XHG++, XGG++	U7SQA	A
13MR-SL	MI	SUB-LOOPS	ECS to Terminal Sub-loop 2-Wire Analog - area B	XHG++, XGG++	U7SQB	B
13MR-SL	MI	SUB-LOOPS	ECS to Terminal Sub-loop 2-Wire Analog - area C	XHG++, XGG++	U7SQC	C
13MR-SL	MI	SUB-LOOPS	ECS to Terminal Sub-loop 4-Wire Analog - area A	XHK++, XGK++	U7SQA	A
13MR-SL	MI	SUB-LOOPS	ECS to Terminal Sub-loop 4-Wire Analog - area B	XHK++, XGK++	U7SQB	B
13MR-SL	MI	SUB-LOOPS	ECS to Terminal Sub-loop 4-Wire Analog - area C	XHK++, XGK++	U7SQC	C
13MR-SL	MI	SUB-LOOPS	ECS to Terminal Sub-loop 2-Wire DSL - area A	XHW++, XGW++	U7SQA	A
13MR-SL	MI	SUB-LOOPS	ECS to Terminal Sub-loop 2-Wire DSL - area B	XHW++, XGW++	U7SQB	B
13MR-SL	MI	SUB-LOOPS	ECS to Terminal Sub-loop 2-Wire DSL - area C	XHW++, XGW++	U7SQC	C
13MR-SL	MI	SUB-LOOPS	ECS to Terminal Sub-loop 4-Wire DSL - area A	XHY++, XGY++	U7SQA	A
13MR-SL	MI	SUB-LOOPS	ECS to Terminal Sub-loop 4-Wire DSL - area B	XHY++, XGY++	U7SQB	B
13MR-SL	MI	SUB-LOOPS	ECS to Terminal Sub-loop 4-Wire DSL - area C	XHY++, XGY++	U7SQC	C
13MR-SL	MI	SUB-LOOPS	ECS to NID Sub-loop 2-Wire Analog - area A	XHG++, XGG++	U7SRA	A
13MR-SL	MI	SUB-LOOPS	ECS to NID Sub-loop 2-Wire Analog - area B	XHG++, XGG++	U7SRB	B
13MR-SL	MI	SUB-LOOPS	ECS to NID Sub-loop 2-Wire Analog - area C	XHG++, XGG++	U7SRC	C
13MR-SL	MI	SUB-LOOPS	ECS to NID Sub-loop 4-Wire Analog - area A	XHK++, XGK++	U7SRA	A
13MR-SL	MI	SUB-LOOPS	ECS to NID Sub-loop 4-Wire Analog - area B	XHK++, XGK++	U7SRB	B
13MR-SL	MI	SUB-LOOPS	ECS to NID Sub-loop 4-Wire Analog - area C	XHK++, XGK++	U7SRC	C
13MR-SL	MI	SUB-LOOPS	ECS to NID Sub-loop 2-Wire DSL - area A	XHW++, XGW++	U7SRA	A

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	MI	SUB-LOOPS	ECS to NID Sub-loop 2-Wire DSL - area B	XHW++, XGW++	U7SRB	B
13MR-SL	MI	SUB-LOOPS	ECS to NID Sub-loop 2-Wire DSL - area C	XHW++, XGW++	U7SRC	C
13MR-SL	MI	SUB-LOOPS	ECS to NID Sub-loop 4-Wire DSL - area A	XHY++, XGY++	U7SRA	A
13MR-SL	MI	SUB-LOOPS	ECS to NID Sub-loop 4-Wire DSL - area B	XHY++, XGY++	U7SRB	B
13MR-SL	MI	SUB-LOOPS	ECS to NID Sub-loop 4-Wire DSL - area C	XHY++, XGY++	U7SRC	C
13MR-SL	MI	SUB-LOOPS	SAI to Terminal Sub-loop '2-Wire Analog - area A	XHG++, XGG++	U7SSA	A
13MR-SL	MI	SUB-LOOPS	SAI to Terminal Sub-loop '2-Wire Analog - area B	XHG++, XGG++	U7SSB	B
13MR-SL	MI	SUB-LOOPS	SAI to Terminal Sub-loop 2-Wire Analog - area C	XHG++, XGG++	U7SSC	C
13MR-SL	MI	SUB-LOOPS	SAI to Terminal Sub-loop 4-Wire Analog - area A	XHK++, XGK++	U7SSA	A
13MR-SL	MI	SUB-LOOPS	SAI to Terminal Sub-loop 4-Wire Analog - area B	XHK++, XGK++	U7SSB	B
13MR-SL	MI	SUB-LOOPS	SAI to Terminal Sub-loop 4-Wire Analog - area C	XHK++, XGK++	U7SSC	C
13MR-SL	MI	SUB-LOOPS	SAI to Terminal Sub-loop 2-Wire DSL - area A	XHW++, XGW++	U7SSA	A
13MR-SL	MI	SUB-LOOPS	SAI to Terminal Sub-loop 2-Wire DSL - area B	XHW++, XGW++	U7SSB	B
13MR-SL	MI	SUB-LOOPS	SAI to Terminal Sub-loop 2-Wire DSL - area C	XHW++, XGW++	U7SSC	C
13MR-SL	MI	SUB-LOOPS	SAI to Terminal Sub-loop 4-Wire DSL - area A	XHY++, XGY++	U7SSA	A
13MR-SL	MI	SUB-LOOPS	SAI to Terminal Sub-loop 4-Wire DSL - area B	XHY++, XGY++	U7SSB	B
13MR-SL	MI	SUB-LOOPS	SAI to Terminal Sub-loop 4-Wire DSL - area C	XHY++, XGY++	U7SSC	C
13MR-SL	MI	SUB-LOOPS	SAI to NID Sub-loop 2-Wire Analog - area A	XHG++, XGG++	U7STA	A
13MR-SL	MI	SUB-LOOPS	SAI to NID Sub-loop 2-Wire Analog - area B	XHG++, XGG++	U7STB	B
13MR-SL	MI	SUB-LOOPS	SAI to NID Sub-loop 2-Wire Analog - area C	XHG++, XGG++	U7STC	C
13MR-SL	MI	SUB-LOOPS	SAI to NID Sub-loop 4-Wire Analog - area A	XHK++, XGK++	U7STA	A
13MR-SL	MI	SUB-LOOPS	SAI to NID Sub-loop 4-Wire Analog - area B	XHK++, XGK++	U7STB	B
13MR-SL	MI	SUB-LOOPS	SAI to NID Sub-loop 4-Wire Analog - area C	XHK++, XGK++	U7STC	C
13MR-SL	MI	SUB-LOOPS	SAI to NID Sub-loop 2-Wire DSL - area A	XHW++, XGW++	U7STA	A
13MR-SL	MI	SUB-LOOPS	SAI to NID Sub-loop 2-Wire DSL - area B	XHW++, XGW++	U7STB	B
13MR-SL	MI	SUB-LOOPS	SAI to NID Sub-loop 2-Wire DSL - area C	XHW++, XGW++	U7STC	C
13MR-SL	MI	SUB-LOOPS	SAI to NID Sub-loop 4-Wire DSL - area A	XHY++, XGY++	U7STA	A
13MR-SL	MI	SUB-LOOPS	SAI to NID Sub-loop 4-Wire DSL - area B	XHY++, XGY++	U7STB	B
13MR-SL	MI	SUB-LOOPS	SAI to NID Sub-loop 4-Wire DSL - area C	XHY++, XGY++	U7STC	C
13MR-SL	MI	SUB-LOOPS	Terminal to NID Sub-loop 2-Wire Analog - area A	XHG++, XGG++	U7SUA	A
13MR-SL	MI	SUB-LOOPS	Terminal to NID Sub-loop 2-Wire Analog - area B	XHG++, XGG++	U7SUB	B
13MR-SL	MI	SUB-LOOPS	Terminal to NID Sub-loop 2-Wire Analog - area C	XHG++, XGG++	U7SUC	C
13MR-SL	MI	SUB-LOOPS	Terminal to NID Sub-loop 4-Wire Analog - area A	XHK++, XGK++	U7SUA	A
13MR-SL	MI	SUB-LOOPS	Terminal to NID Sub-loop 4-Wire Analog - area B	XHK++, XGK++	U7SUB	B
13MR-SL	MI	SUB-LOOPS	Terminal to NID Sub-loop 4-Wire Analog - area C	XHK++, XGK++	U7SUC	C
13MR-SL	MI	SUB-LOOPS	Terminal to NID Sub-loop 2-Wire DSL - area A	XHW++, XGW++	U7SUA	A
13MR-SL	MI	SUB-LOOPS	Terminal to NID Sub-loop 2-Wire DSL - area B	XHW++, XGW++	U7SUB	B

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	MI	SUB-LOOPS	Terminal to NID Sub-loop 2-Wire DSL - area C	XHW++, XGW++	U7SUC	C
13MR-SL	MI	SUB-LOOPS	Terminal to NID Sub-loop 4-Wire DSL - area A	XHY++, XGY++	U7SUA	A
13MR-SL	MI	SUB-LOOPS	Terminal to NID Sub-loop 4-Wire DSL - area B	XHY++, XGY++	U7SUB	B
13MR-SL	MI	SUB-LOOPS	Terminal to NID Sub-loop 4-Wire DSL - area C	XHY++, XGY++	U7SUC	C
13MR-SL	MI	SUB-LOOPS	NID Sub-loop Element 2-Wire Analog - area A	XHG++, XGG++		A
13MR-SL	MI	SUB-LOOPS	NID Sub-loop Element 2-Wire Analog - area B	XHG++, XGG++		B
13MR-SL	MI	SUB-LOOPS	NID Sub-loop Element 2-Wire Analog - area C	XHG++, XGG++		C
13MR-SL	MI	SUB-LOOPS	NID Sub-loop Element 4-Wire Analog - area A	XHK++, XGK++		A
13MR-SL	MI	SUB-LOOPS	NID Sub-loop Element 4-Wire Analog - area B	XHK++, XGK++		B
13MR-SL	MI	SUB-LOOPS	NID Sub-loop Element 4-Wire Analog - area C	XHK++, XGK++		C
13MR-SL	MI	SUB-LOOPS	NID Sub-loop Element 2-Wire DSL - area A	XHW++, XGW++		A
13MR-SL	MI	SUB-LOOPS	NID Sub-loop Element 2-Wire DSL - area B	XHW++, XGW++		B
13MR-SL	MI	SUB-LOOPS	NID Sub-loop Element 2-Wire DSL - area C	XHW++, XGW++		C
13MR-SL	MI	SUB-LOOPS	NID Sub-loop Element 4-Wire DSL - area A	XHY++, XGY++		A
13MR-SL	MI	SUB-LOOPS	NID Sub-loop Element 4-Wire DSL - area B	XHY++, XGY++		B
13MR-SL	MI	SUB-LOOPS	NID Sub-loop Element 4-Wire DSL - area C	XHY++, XGY++		C
13MR-SL	MI	SUB-LOOPS	NID Sub-loop Element 2-Wire ISDN Compatible - area A	XHQ++, XGQ++		A
13MR-SL	MI	SUB-LOOPS	NID Sub-loop Element 2-Wire ISDN Compatible - area B	XHQ++, XGQ++		B
13MR-SL	MI	SUB-LOOPS	NID Sub-loop Element 2-Wire ISDN Compatible - area C	XHQ++, XGQ++		C
13MR-SL	MI	SUB-LOOPS	NID Sub-loop Element 4-Wire DS1 Compatible - area A	XQ1++		A
13MR-SL	MI	SUB-LOOPS	NID Sub-loop Element 4-Wire DS1 Compatible - area B	XQ1++		B
13MR-SL	MI	SUB-LOOPS	NID Sub-loop Element 4-Wire DS1 Compatible - area C	XQ1++		C
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Analog Sub-Loop Service Ordering Charges Installation, per occasion per location	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++	SEPUP	
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Analog Sub-Loop Service Ordering Charges Disconnect, per occasion per location	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++		

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Analog Sub-Loop Service Ordering Charges Subsequent, per occasion	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++		
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Analog Sub-Loop Service Ordering Charges Record Work, per occasion	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++	NR9UP	
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Analog Sub-Loop Service Ordering Charges Add or Change, per occasion	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++	REAH9	
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Analog Sub-Loop Service Ordering Charges Sub-Loop Connection Charge, per termination	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++	SEPUC	
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Analog Sub-Loop Service Ordering Charges Sub-Loop Disconnection Charge, per termination	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++		
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Sub-Loop Provisioning Connect (cross-connect) 2-Wire Analog	XHG++, XGG++	UCXE2	
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Sub-Loop Provisioning Connect (cross-connect) 4-Wire Analog	XHK++, XGK++	UCXE4	
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Sub-Loop Provisioning Connect (cross-connect) 2-Wire DSL	XHW++, XGW++	U7XH2	
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Sub-Loop Provisioning Connect (cross-connect) 4-Wire DSL	XHY++, XGY++	U7XH4	
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Sub-Loop Provisioning Connect (cross-connect) 2-Wire ISDN	XHQ++, XGQ++	U7XJ2	
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Sub-Loop Provisioning Connect (cross-connect) 4-Wire DS1	XQ1++	U7XKX	
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Sub-Loop Provisioning Connect (cross-connect) DS3	XQ3++	U7XLX	
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Sub-Loop Provisioning Disconnect (for disconnect) 2-Wire Analog	XHG++, XGG++	NRMOU	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Sub-Loop Provisioning Disconnect (for disconnect) 4-Wire Analog	XHK++, XGK++	NRMOV	
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Sub-Loop Provisioning Disconnect (for disconnect) 2-Wire DSL	XHW++, XGW++	NRMOW	
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Sub-Loop Provisioning Disconnect (for disconnect) 4-Wire DSL	XHY++, XGY++	NRMOX	
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Sub-Loop Provisioning Disconnect (for disconnect) 2-Wire ISDL	XHQ++, XGQ++	NRMOY	
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Sub-Loop Provisioning Disconnect (for disconnect) 4-Wire DS1	XQ1++	NRMOZ	
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Sub-Loop Provisioning Disconnect (for disconnect) DS3	XQ3++	NRMO1	
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Sub-Loop Conditioning Remove Load Coils - For Sub Loop Facilities > 12Kft. And < 17.5Kft.	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++		
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Sub-Loop Conditioning Remove Bridged Tap - For Sub Loop Facilities > 12Kft. And < 17.5Kft.	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++		
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Sub-Loop Conditioning Remove Repeater - For Sub Loop Facilities > 12Kft. And < 17.5Kft.	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++		
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Sub-Loop Conditioning Remove Load Coils - For Sub Loop Facilities > 17.5Kft. In addition to the rates for >12Kft. < 17Kft.	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++		
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Sub-Loop Conditioning Remove Bridged Tap - For Sub Loop Facilities > 17.5Kft. In addition to the rates for >12Kft. < 17Kft.	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++		
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Sub-Loop Conditioning Remove Repeater - For Sub Loop Facilities > 17.5Kft. In addition to the rates for >12Kft. < 17Kft.	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++		
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects (for Loops) 2-Wire	MUJ++, UOB++, UOR++	CXCT2	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects (for Loops) 4-Wire	MUJ++, UOB++, UOR++	CXCT4	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects (for Loops) DS1/LT1	MUJ++, UOB++, UOR++	CXCDX	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects (for Loops) DS3/LT3	MUJ++, UOB++, UOR++	CXCEX	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects (for Loops) DS3 C.O. Cross-Connect to Collocation	MUJ++, UOB++, UOR++	CXCBX	
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Zone 1	UB5++, EE7MX, UK1++	CZ4X1	1
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Zone 2	UB5++, EE7MX, UK1++	CZ4X2	2
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Zone 3	UB5++, EE7MX, UK1++	CZ4X3	3
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Interzone	UB5++, EE7MX, UK1++	CZ4XZ	1
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Mile Zone 1	UB5++, EE7MX, UK1++	1YZX1	1
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Mile Zone 2	UB5++, EE7MX, UK1++	1YZX2	2
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Mile Zone 3	UB5++, EE7MX, UK1++	1YZX3	3
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Mile Interzone	UB5++, EE7MX, UK1++	1YZXZ	1
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Clear Channel Capability - Per DS1 Circuit Arranged All Zones Connect	UB5++, EE7MX, UK1++	CLYX1	
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Clear Channel Capability - Per DS1 Circuit Arranged All Zones Connect	UB5++, EE7MX, UK1++	CLYX2	
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Clear Channel Capability - Per DS1 Circuit Arranged All Zones Connect	UB5++, EE7MX, UK1++	CLYX3	
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Clear Channel Capability - Per DS1 Circuit Arranged All Zones Disconnect			
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice NRC Connect Zone 1 per circuit	UB5++, EE7MX, UK1++	NKCU8	1
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice NRC (Connect + Disconnect) Connect Zone 2 per circuit	UB5++, EE7MX, UK1++	NKCU8	2
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice NRC Connect Zone 3 per circuit	UB5++, EE7MX, UK1++	NKCU8	3
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice NRC Disconnect Zone 1 per circuit	UB5++, EE7MX, UK1++	NKCU9	1
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice NRC Disconnect Zone 2 per circuit	UB5++, EE7MX, UK1++	NKCU9	2
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice NRC Disconnect Zone 3 per circuit	UB5++, EE7MX, UK1++	NKCU9	3
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice NRC UDT Installation and Rearrangement - Admin. Charge, Connect, Per Order	UB5++, EE7MX, UK1++	ORCMX	
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice NRC EELS Installation and Rearrangement - Admin. Charge, Disconnect, Per Order	UB5++, EE7MX, UK1++	NR9OT	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Zone 1	UB5++, EE7NX, UK3++	CZ4W1	1
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Zone 2	UB5++, EE7NX, UK3++	CZ4W2	2
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Zone 3	UB5++, EE7NX, UK3++	CZ4W3	3
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Interzone	UB5++, EE7NX, UK3++	CZ4WZ	1
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile Zone 1	UB5++, EE7NX, UK3++	1YZB1	1
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile Zone 2	UB5++, EE7NX, UK3++	1YZB2	2
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile Zone 3	UB5++, EE7NX, UK3++	1YZB3	3
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile Interzone	UB5++, EE7NX, UK3++	1YZBZ	1
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice NRC (Connect + Disconnect)Connect Zone 1 per circuit	UB5++, EE7NX, UK3++	NKCUE	1
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice NRC (Connect + Disconnect)Connect Zone 2 per circuit	UB5++, EE7NX, UK3++	NKCUE	2
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice NRC (Connect + Disconnect) Connect Zone 3 per circuit	UB5++, EE7NX, UK3++	NKCUE	3
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice NRC Disconnect Zone 1 per circuit	UB5++, EE7NX, UK3++	NKCUF	1
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice NRC Disconnect Zone 2 per circuit	UB5++, EE7NX, UK3++	NKCUF	2
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice NRC Disconnect Zone 3 per circuit	UB5++, EE7NX, UK3++	NKCUF	3
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Installation and Rearrangement - Admin. Charge, Connect, Per Order	UB5++, EE7NX, UK3++	ORCMX	
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice NRC DS3 Installation and Rearrangement - Admin. Charge, Disconnect, Per Order	UB5++, EE7NX, UK3++	NRBCL	
13	MI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade All Zones, Per Arrangement	UB5++, UK1++	QMVX1	
13	MI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade All Zones, Per Arrangement	UB5++, UK1++	QMVX2	
13	MI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade All Zones, Per Arrangement	UB5++, UK1++	QMVX3	
13	MI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1 All Zones, Per Arrangement	UB5++, UK3++	QM3X1	
13	MI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1 All Zones, Per Arrangement	UB5++, UK3++	QM3X2	
13	MI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1 All Zones, Per Arrangement	UB5++, UK3++	QM3X3	
13	MI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS1	UB5++, EE7MX, UK1++	CXCDX	
13	MI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS3	UB5++, EE7NX, UK3++	CXCEX	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge, per Last Critical Date Reached DS1 Service Order Portion to be applied to each critical date below	UB5++, EE7MX, UK1++	NKCUL	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge, per Last Critical Date Reached DS1 Design Lay Out Report Date	UB5++, EE7MX, UK1++	NR95W	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge, per Last Critical Date Reached DS1 Records Issue Date	UB5++, EE7MX, UK1++	NR95X	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge, per Last Critical Date Reached DS1 Designed Verified and Assigned Date	UB5++, EE7MX, UK1++	NR95Y	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge, per Last Critical Date Reached DS1 Plant Test Date	UB5++, EE7MX, UK1++	NR95Z	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge, per Last Critical Date Reached DS1 Service Order Portion to be applied to each critical date below	UB5++, EE7NX, UK3++	NKCUM	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge, per Last Critical Date Reached DS1 Design Lay Out Report Date	UB5++, EE7NX, UK3++	NR951	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge, per Last Critical Date Reached DS1 Records Issue Date	UB5++, EE7NX, UK3++	NR952	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge, per Last Critical Date Reached DS1 Designed Verified and Assigned Date	UB5++, EE7NX, UK3++	NR953	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Cancellation or Change Service Charge, per Last Critical Date Reached DS1 Plant Test Date	UB5++, EE7NX, UK3++	NR954	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Due Date Change Charge Per Order or Occasion DS1	UB5++, EE7MX, UK1++	NR957	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Due Date Change Charge Per Order or Occasion DS3	UB5++, EE7NX, UK3++	NR958	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to UNE Conversion Channelized DS1 without mileage design and coordination	UB5++, EE7MX, UK1++, MUJ++	NKCUU	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to UNE Conversion Channelized DS1 - Design and Coordination (with Mileage)	UB5++, EE7MX, UK1++, MUJ++	NKCUU	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to UNE Conversion Non-channelized DS1 without mileage design and coordination	UB5++, EE7MX, UK1++, MUJ++	NKCUR	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to UNE Conversion Non-channelized DS1 facility with mileage design and coordination	UB5++, EE7MX, UK1++, MUJ++	NKCUR	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to UNE Conversion Channelized DS3 with mileage design and coordination	UB5++, EE7NX, UK3++, MUJ++	NKCUO	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to UNE Conversion Non-channelized DS3 facility with mileage design and coordination	UB5++, EE7NX, UK3++, MUJ++	NKCUQ	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to UNE Conversion Non-Channelized DS3 Design and Coordination without mileage	UB5++, EE7NX, UK3++, MUJ++	NKCUQ	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to UNE Conversion Channelized DS3 without mileage design and coordination	UB5++, EE7NX, UK3++, MUJ++	NKCUT	
13	MI	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to UNE Conversion Project administration charge per service order	UB5++, EE7NX, UK3++, MUJ++	NKCUY	
13	MI	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Termination (Per Termination per Fiber)		ULYCX	
13	MI	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Mileage (Per Fiber per Foot)		ULNCF	
13	MI	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Cross Connect (Per Termination per Fiber)		UKCJX	
13	MI	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Inquiry (Per Request) 'Dark Fiber Interoffice Transport - NRC		NR9D6	
13	MI	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Inquiry (Per Request) Interoffice inquiry (Service Order) Charge, per request		NKCUN	
13	MI	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Installation 'Administrative per Order		NRB51	
13	MI	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Installation Dark Fiber Interoffice Transport - NRC		NRB54	
13	MI	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Disconnect 'Administrative per Order		NR9H2	
13	MI	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Disconnect 'Dark Fiber Interoffice Transport - NRC		NR9H5	
13	MI	ROUTINE MODIFICATION	Routine Modifications of Existing Facilities Charge	MUJ++, UOB++, UOR++, UB5++, EE7MX, EE7NX, UK3++, UK1++	N3RUE	
7	MI	OPERATIONS SUPPORT SYSTEM	Maintenance of Service Charge	MUJ++, UOB++, UOR++, UB5++, EE7JX, EE7KX, EE7LX, EE7MX, EE7NX, UK3++, UK1++	VRP	
13MR-SL	MI	OPERATIONS SUPPORT SYSTEM	Sub-Loops - Maintenance of Service Charge	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++, XQ3++	VRP	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	Disconnect Loop from inside wiring, per NID		NRBND	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 1 (Urban STL, KC)		U21	1
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 2 (Suburban)		U21	2
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 3 (Rural)		U21	3
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 4 (Urban Springfield)		U21	4
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Conditioning for dB loss from 8db to 5db		UL2	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 1 (Urban STL, KC)		U4H	1
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 2 (Suburban)		U4H	2
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 3 (Rural)		U4H	3
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 4 (Urban Springfield)		U4H	4
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop - Zone 1 (Urban STL, KC)		U2Q	1
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop - Zone 2 (Suburban)		U2Q	2
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop - Zone 3 (Rural)		U2Q	3
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop - Zone 4 (Urban Springfield)		U2Q	4
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Digital Loop - Zone 1 (Urban STL, KC)		U4D1X	1
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Digital Loop - Zone 2 (Suburban)		U4D1X	2
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Digital Loop - Zone 3 (Rural)		U4D1X	3
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Digital Loop - Zone 4 (Urban Springfield)		U4D1X	4
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Zone 1 (Urban STL, KS)		U4D3X	1
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Zone 2 (Suburban)		U4D3X	2
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Zone 3 (Rural)		U4D3X	3
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Zone 4 (Urban Springfield)		U4D3X	4
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Cross Connect to Collocation	LU1	UCXC2	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Cross Connect to Collocation (without testing)	LU1	UCXD2	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Cross Connect to Collocation	LU1	UCXC4	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Cross Connect to Collocation (without testing)	LU1	UCXD4	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop Cross Connect to Collocation	LU1	DXZLD	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop Cross Connect to Collocation (without testing)	LU1	DXZLJ	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Digital Loop (DS1 Loop Cross-Connect)	LU1	UCXHX	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Digital Loop (DS1 Loop Cross-Connect) -without testing	LU1	UDLD4	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Cross Connect to Multiplexer with testing (EEL)	EE7MX	DXZLF	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Cross Connect to Multiplexer (EEL)- Disconnect	EE7MX	NKCTD	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Cross Connect to Mux (EEL)		UCXM2	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Cross Connect to Mux (EEL)		UCXM4	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop Cross Connect to Mux (EEL)		UCXS2	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 C.O. Cross Connect to Collocation		UCXBX	
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop - Zone 1 (Urban STL, KS)		2SLAX	1
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLAX	2
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop - Zone 3 (Rural)		2SLAX	3
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop - Zone 4 (Urban Springfield)		2SLAX	4
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop - Zone 1 (Urban STL, KS)		2SLCX	1
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLCX	2
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop - Zone 3 (Rural)		2SLCX	3
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop - Zone 4 (Urban Springfield)		2SLCX	4
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop - Zone 1 (Urban STL, KS)		2SLBX	1
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLBX	2
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop - Zone 3 (Rural)		2SLBX	3
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop - Zone 4 (Urban Springfield)		2SLBX	4
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop - Zone 1 (Urban STL, KS)		2SLDX	1
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLDX	2
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop - Zone 3 (Rural)		2SLDX	3
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop - Zone 4 (Urban Springfield)		2SLDX	4
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop - Zone 1 (Urban STL, KS)		U2F	1
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop - Zone 2 (Suburban)		U2F	2
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop - Zone 3 (Rural)		U2F	3
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop - Zone 4 (Urban Springfield)		U2F	4
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop - Zone 1 (Urban STL, KS)		2SLFX	1
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLFX	2
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop - Zone 3 (Rural)		2SLFX	3
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop - Zone 4 (Urban Springfield)		2SLFX	4
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop - Zone 1 (Urban STL, KS)		4SL1X	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop - Zone 2 (Suburban)		4SL1X	2
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop - Zone 3 (Rural)		4SL1X	3
14	MO	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop - Zone 4 (Urban Springfield)		4SL1X	4
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Capable Loop - Zone 1 (Rural)		UY5FX	1
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Capable Loop - Zone 2 (Suburban)		UY5FX	2
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Capable Loop - Zone 3 (Urban)		UY5FX	3
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Capable Loop - Zone 4 (Urban Springfield)		UY5FX	4
14	MO	LOOP MAKE-UP	Loop Qualification Process - Mechanized		NR98U	
14	MO	LOOP MAKE-UP	Loop Qualification Process - Manual		NRBXU	
14	MO	LOOP MODIFICATION	DSL Conditioning - Removal of Repeaters		NRBXV	
14	MO	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Repeater (> than 17.5 Kft.same location/same cable)		NRBNL	
14	MO	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Repeater (> than 17.5 Kft.same location/different cable)		NRBNP	
14	MO	LOOP MODIFICATION	DSL Conditioning - Removal of Excessive Bridged Taps and Repeaters		NRBXH	
14	MO	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Excessive Bridged Taps and Repeaters (>than 17.5K same location/same cable)		NRBTV	
14	MO	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Excessive Bridged Taps and Repeaters (>than 17.5K same location/different cable)		NRBTW	
14	MO	LOOP MODIFICATION	DSL Conditioning - Removal of Excessive Bridged Taps		NRBXW	
14	MO	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Excessive Bridged Tap (> than 17.5 Kft.same location/same cable)		NRBNK	
14	MO	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Excessive Bridged Tap (> than 17.5 Kft.same location/different cable)		NRBNN	
14	MO	LOOP MODIFICATION	DSL Conditioning - Removal of Excessive Bridged Taps and Load Coils		NRBXF	
14	MO	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Load Coil & Excessive Bridge Tap (> than 17.5 Kft.same location/same Cable)		NRBM8	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	MO	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Load Coil & Excessive Bridge Tap (> than 17.5 Kft.same location/different Cable)		NRBM9	
14	MO	LOOP MODIFICATION	DSL Conditioning - Removal of Load Coils		NRBXZ	
14	MO	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Load Coil (> than 17.5 Kft.same location/same Cable)		NRBNJ	
14	MO	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Load Coil (> than 17.5 Kft.same location/different Cable)		NRBNH	
14	MO	LOOP MODIFICATION	RABT - MMP - Removal of non-excessive bridged tap DSL loops >0Kft. And <17.5Kft.		NRMRJ	
14	MO	LOOP MODIFICATION	RABT - MMP - Removal of All Bridged Tap DSL Loops 12Kft. To 17.5Kft.		NRMRP	
14	MO	LOOP MODIFICATION	RABT - MMP - Removal of non-excessive bridged tap DSL loops >17.5Kft DSL Loops - per element incremental		NRMRS	
14	MO	LOOP MODIFICATION	RABT - MMP - Removal of All Bridged Tap DSL loops >17.5Kft. - per element incremental		NRMRM	
14	MO	LOOP MODIFICATION	DSL Shielded Loop Cross Connect to Collocation		UXRRX	
14	MO	LOOP MODIFICATION	2-Wire DSL Non-Shielded Cross Connect to Collocation		UCX92	
14	MO	LOOP MODIFICATION	4-Wire DSL Non-Shielded Cross Connect to Collocation		UCX94	
14	MO	LOOP MODIFICATION	LST performed on CODSLAM Loop		URCLD	
13MR-SL	MO	SUB-LOOPS	LST performed on Sub Loop		URCLB	
13MR-SL	MO	SUB-LOOPS	ECS to SAI Subloop Charge 2-Wire Analog Zone 1 (Urban STL, KS)		U6LAP	1
13MR-SL	MO	SUB-LOOPS	ECS to SAI Subloop Charge 2-Wire Analog Zone 2 (Suburban)		U6LAP	2
13MR-SL	MO	SUB-LOOPS	ECS to SAI Subloop Charge 2-Wire Analog Zone 3 (Rural)		U6LAP	3
13MR-SL	MO	SUB-LOOPS	ECS to SAI Subloop Charge 2-Wire Analog Zone 4 (Urban Springfield)		U6LAP	4
13MR-SL	MO	SUB-LOOPS	ECS to Terminal Subloop Charge 2-Wire Analog Zone 1 (Urban STL, KC)		U6LAQ	1
13MR-SL	MO	SUB-LOOPS	ECS to Terminal Subloop Charge 2-Wire Analog Zone 2 (Suburban)		U6LAQ	2
13MR-SL	MO	SUB-LOOPS	ECS to Terminal Subloop Charge 2-Wire Analog Zone 3 (Rural)		U6LAQ	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	MO	SUB-LOOPS	ECS to Terminal Subloop Charge 2-Wire Analog Zone 4 (Urban Springfield)		U6LAQ	4
13MR-SL	MO	SUB-LOOPS	ECS to NID Subloop Charge 2-Wire Analog Zone 1 (Urban STL, KC)		U6LAR	1
13MR-SL	MO	SUB-LOOPS	ECS to NID Subloop Charge 2-Wire Analog Zone 2 (Suburban)		U6LAR	2
13MR-SL	MO	SUB-LOOPS	ECS to NID Subloop Charge 2-Wire Analog Zone 3 (Rural)		U6LAR	3
13MR-SL	MO	SUB-LOOPS	ECS to NID Subloop Charge 2-Wire Analog Zone 4 (Urban Springfield)		U6LAR	4
13MR-SL	MO	SUB-LOOPS	SAI to Terminal Subloop Charge 2-Wire Analog Zone 1 (Urban STL, KC)		U6LAS	1
13MR-SL	MO	SUB-LOOPS	SAI to Terminal Subloop Charge 2-Wire Analog Zone 2 (Suburban)		U6LAS	2
13MR-SL	MO	SUB-LOOPS	SAI to Terminal Subloop Charge 2-Wire Analog Zone 3 (Rural)		U6LAS	3
13MR-SL	MO	SUB-LOOPS	SAI to Terminal Subloop Charge 2-Wire Analog Zone 4 (Urban Springfield)		U6LAS	4
13MR-SL	MO	SUB-LOOPS	SAI to NID Subloop Charge 2-Wire Analog Zone 1 (Urban STL, KC)		U6LAT	1
13MR-SL	MO	SUB-LOOPS	SAI to NID Subloop Charge 2-Wire Analog Zone 2 (Suburban)		U6LAT	2
13MR-SL	MO	SUB-LOOPS	SAI to NID Subloop Charge 2-Wire Analog Zone 3 (Rural)		U6LAT	3
13MR-SL	MO	SUB-LOOPS	SAI to NID Subloop Charge 2-Wire Analog Zone 4 (Urban Springfield)		U6LAT	4
13MR-SL	MO	SUB-LOOPS	Terminal to NID Subloop Charge 2-Wire Analog Zone 1 (Urban STL, KC)		U6LAU	1
13MR-SL	MO	SUB-LOOPS	Terminal to NID Subloop Charge 2-Wire Analog Zone 2 (Suburban)		U6LAU	2
13MR-SL	MO	SUB-LOOPS	Terminal to NID Subloop Charge 2-Wire Analog Zone 3 (Rural)		U6LAU	3
13MR-SL	MO	SUB-LOOPS	Terminal to NID Subloop Charge 2-Wire Analog Zone 4 (Urban Springfield)		U6LAU	4
13MR-SL	MO	SUB-LOOPS	ECS to SAI Subloop Charge 4-Wire Analog Zone 1 (Urban STL, KC)		U6LEP	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	MO	SUB-LOOPS	ECS to SAI Subloop Charge 4-Wire Analog Zone 2 (Suburban)		U6LEP	2
13MR-SL	MO	SUB-LOOPS	ECS to SAI Subloop Charge 4-Wire Analog Zone 3 (Rural)		U6LEP	3
13MR-SL	MO	SUB-LOOPS	ECS to SAI Subloop Charge 4-Wire Analog Zone 4 (Urban Springfield)		U6LEP	4
13MR-SL	MO	SUB-LOOPS	ECS to Terminal Subloop Charge 4-Wire Analog Zone 1 (Urban STL, KC)		U6LEQ	1
13MR-SL	MO	SUB-LOOPS	ECS to Terminal Subloop Charge 4-Wire Analog Zone 2 (Suburban)		U6LEQ	2
13MR-SL	MO	SUB-LOOPS	ECS to Terminal Subloop Charge 4-Wire Analog Zone 3 (Rural)		U6LEQ	3
13MR-SL	MO	SUB-LOOPS	ECS to Terminal Subloop Charge 4-Wire Analog Zone 4 (Urban Springfield)		U6LEQ	4
13MR-SL	MO	SUB-LOOPS	ECS to NID Subloop Charge 4-Wire Analog Zone 1 (Urban STL, KC)		U6LER	1
13MR-SL	MO	SUB-LOOPS	ECS to NID Subloop Charge 4-Wire Analog Zone 2 (Suburban)		U6LER	2
13MR-SL	MO	SUB-LOOPS	ECS to NID Subloop Charge 4-Wire Analog Zone 3 (Rural)		U6LER	3
13MR-SL	MO	SUB-LOOPS	ECS to NID Subloop Charge 4-Wire Analog Zone 4 (Urban Springfield)		U6LER	4
13MR-SL	MO	SUB-LOOPS	SAI to Terminal Subloop Charge 4-Wire Analog Zone 1 (Urban STL, KC)		U6LES	1
13MR-SL	MO	SUB-LOOPS	SAI to Terminal Subloop Charge 4-Wire Analog Zone 2 (Suburban)		U6LES	2
13MR-SL	MO	SUB-LOOPS	SAI to Terminal Subloop Charge 4-Wire Analog Zone 3 (Rural)		U6LES	3
13MR-SL	MO	SUB-LOOPS	SAI to Terminal Subloop Charge 4-Wire Analog Zone 4 (Urban Springfield)		U6LES	4
13MR-SL	MO	SUB-LOOPS	SAI to NID Subloop Charge 4-Wire Analog Zone 1 (Urban STL, KC)		U6LET	1
13MR-SL	MO	SUB-LOOPS	SAI to NID Subloop Charge 4-Wire Analog Zone 2 (Suburban)		U6LET	2
13MR-SL	MO	SUB-LOOPS	SAI to NID Subloop Charge 4-Wire Analog Zone 3 (Rural)		U6LET	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	MO	SUB-LOOPS	SAI to NID Subloop Charge 4-Wire Analog Zone 4 (Urban Springfield)		U6LET	4
13MR-SL	MO	SUB-LOOPS	Terminal to NID Subloop Charge 4-Wire Analog Zone 1 (Urban STL, KC)		U6LEU	1
13MR-SL	MO	SUB-LOOPS	Terminal to NID Subloop Charge 4-Wire Analog Zone 2 (Suburban)		U6LEU	2
13MR-SL	MO	SUB-LOOPS	Terminal to NID Subloop Charge 4-Wire Analog Zone 3 (Rural)		U6LEU	3
13MR-SL	MO	SUB-LOOPS	Terminal to NID Subloop Charge 4-Wire Analog Zone 4 (Urban Springfield)		U6LEU	4
13MR-SL	MO	SUB-LOOPS	ECS to SAI Subloop Charge-2-Wire DSL Zone 1 (Urban STL, KC)		U6LCP	1
13MR-SL	MO	SUB-LOOPS	ECS to SAI Subloop Charge 2-Wire DSL Zone 2 (Suburban)		U6LCP	2
13MR-SL	MO	SUB-LOOPS	ECS to SAI Subloop Charge 2-Wire DSL Zone 3 (Rural)		U6LCP	3
13MR-SL	MO	SUB-LOOPS	ECS to SAI Subloop Charge 2-Wire DSL Zone 4 (Urban Springfield)		U6LCP	4
13MR-SL	MO	SUB-LOOPS	ECS to Terminal Subloop Charge 2-Wire DSL Zone 1 (Urban STL, KC)		U6LCQ	1
13MR-SL	MO	SUB-LOOPS	ECS to Terminal Subloop Charge 2-Wire DSL Zone 2 (Suburban)		U6LCQ	2
13MR-SL	MO	SUB-LOOPS	ECS to Terminal Subloop Charge 2-Wire DSL Zone 3 (Rural)		U6LCQ	3
13MR-SL	MO	SUB-LOOPS	ECS to Terminal Subloop Charge 2-Wire DSL Zone 4 (Urban Springfield)		U6LCQ	4
13MR-SL	MO	SUB-LOOPS	ECS to NID Subloop Charge-2-Wire DSL Zone 1 (Urban STL, KC)		U6LCR	1
13MR-SL	MO	SUB-LOOPS	ECS to NID Subloop Charge-2-Wire DSL Zone 2 (Suburban)		U6LCR	2
13MR-SL	MO	SUB-LOOPS	ECS to NID Subloop Charge 2-Wire DSL Zone 3 (Rural)		U6LCR	3
13MR-SL	MO	SUB-LOOPS	ECS to NID Subloop Charge 2-Wire DSL Zone 4 (Urban Springfield)		U6LCR	4
13MR-SL	MO	SUB-LOOPS	SAI to Terminal Subloop Charge 2-Wire DSL Zone 1 (Urban STL, KC)		U6LCS	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	MO	SUB-LOOPS	SAI to Terminal Subloop Charge 2-Wire DSL Zone 2 (Suburban)		U6LCS	2
13MR-SL	MO	SUB-LOOPS	SAI to Terminal Subloop Charge 2-Wire DSL Zone 3 (Rural)		U6LCS	3
13MR-SL	MO	SUB-LOOPS	SAI to Terminal Subloop Charge 2-Wire DSL Zone 4 (Urban Springfield)		U6LCS	4
13MR-SL	MO	SUB-LOOPS	SAI to NID Subloop Charge 2-Wire DSL Zone 1 (Urban STL, KC)		U6LCT	1
13MR-SL	MO	SUB-LOOPS	SAI to NID Subloop Charge 2-Wire DSL Zone 2 (Suburban)		U6LCT	2
13MR-SL	MO	SUB-LOOPS	SAI to NID Subloop Charge 2-Wire DSL Zone 3 (Rural)		U6LCT	3
13MR-SL	MO	SUB-LOOPS	SAI to NID Subloop Charge 2-Wire DSL Zone 4 (Urban Springfield)		U6LCT	4
13MR-SL	MO	SUB-LOOPS	Terminal to NID Subloop Charge 2-Wire DSL Zone 1 (Urban STL, KC)		U6LCU	1
13MR-SL	MO	SUB-LOOPS	Terminal to NID Subloop Charge 2-Wire DSL Zone 2 (Suburban)		U6LCU	2
13MR-SL	MO	SUB-LOOPS	Terminal to NID Subloop Charge 2-Wire DSL Zone 3 (Rural)		U6LCU	3
13MR-SL	MO	SUB-LOOPS	Terminal to NID Subloop Charge 2-Wire DSL Zone 4 (Urban Springfield)		U6LCU	4
13MR-SL	MO	SUB-LOOPS	ECS to SAI Subloop Charge 4-Wire DSL Zone 1 (Urban STL, KC)		U6LGP	1
13MR-SL	MO	SUB-LOOPS	ECS to SAI Subloop Charge 4-Wire DSL Zone 2 (Suburban)		U6LGP	2
13MR-SL	MO	SUB-LOOPS	ECS to SAI Subloop Charge 4-Wire DSL Zone 3 (Rural)		U6LGP	3
13MR-SL	MO	SUB-LOOPS	ECS to SAI Subloop Charge 4-Wire DSL Zone 4 (Urban Springfield)		U6LGP	4
13MR-SL	MO	SUB-LOOPS	ECS to Terminal Subloop Charge 4-Wire DSL Zone 1 (Urban STL, KC)		U6LGQ	1
13MR-SL	MO	SUB-LOOPS	ECS to Terminal Subloop Charge 4-Wire DSL Zone 2 (Suburban)		U6LGQ	2
13MR-SL	MO	SUB-LOOPS	ECS to Terminal Subloop Charge 4-Wire DSL Zone 3 (Rural)		U6LGQ	3
13MR-SL	MO	SUB-LOOPS	ECS to Terminal Subloop Charge 4-Wire DSL Zone 4 (Urban Springfield)		U6LGQ	4

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	MO	SUB-LOOPS	ECS to NID Subloop Charge 4-Wire DSL Zone 1 (Urban STL, KC)		U6LGR	1
13MR-SL	MO	SUB-LOOPS	ECS to NID Subloop Charge 4-Wire DSL Zone 2 (Suburban)		U6LGR	2
13MR-SL	MO	SUB-LOOPS	ECS to NID Subloop Charge 4-Wire DSL Zone 3 (Rural)		U6LGR	3
13MR-SL	MO	SUB-LOOPS	ECS to NID Subloop Charge 4-Wire DSL Zone 4 (Urban Springfield)		U6LGR	4
13MR-SL	MO	SUB-LOOPS	SAI to Terminal Subloop Charge 4-Wire DSL Zone 1 (Urban STL, KC)		U6LGS	1
13MR-SL	MO	SUB-LOOPS	SAI to Terminal Subloop Charge 4-Wire DSL Zone 2 (Suburban)		U6LGS	2
13MR-SL	MO	SUB-LOOPS	SAI to Terminal Subloop Charge 4-Wire DSL Zone 3 (Rural)		U6LGS	3
13MR-SL	MO	SUB-LOOPS	SAI to Terminal Subloop Charge 4-Wire DSL Zone 4 (Urban Springfield)		U6LGS	4
13MR-SL	MO	SUB-LOOPS	SAI to NID Subloop Charge 4-Wire DSL Zone 1 (Urban STL, KC)		U6LGT	1
13MR-SL	MO	SUB-LOOPS	SAI to NID Subloop Charge 4-Wire DSL Zone 2 (Suburban)		U6LGT	2
13MR-SL	MO	SUB-LOOPS	SAI to NID Subloop Charge 4-Wire DSL Zone 3 (Rural)		U6LGT	3
13MR-SL	MO	SUB-LOOPS	SAI to NID Subloop Charge 4-Wire DSL Zone 4 (Urban Springfield)		U6LGT	4
13MR-SL	MO	SUB-LOOPS	Terminal to NID Subloop Charge 4-Wire DSL Zone 1 (Urban STL, KC)		U6LGU	1
13MR-SL	MO	SUB-LOOPS	Terminal to NID Subloop Charge 4-Wire DSL Zone 2 (Suburban)		U6LGU	2
13MR-SL	MO	SUB-LOOPS	Terminal to NID Subloop Charge 4-Wire DSL Zone 3 (Rural)		U6LGU	3
13MR-SL	MO	SUB-LOOPS	Terminal to NID Subloop Charge 4-Wire DSL Zone 4 (Urban Springfield)		U6LGU	4
13MR-SL	MO	SUB-LOOPS	Subloop Cross Connect 2-Wire Analog Non-Central Office Originating		UKCV2	1
13MR-SL	MO	SUB-LOOPS	Subloop Cross Connect 4-Wire Analog Non-Central Office Originating		UKCV4	2
13MR-SL	MO	SUB-LOOPS	Subloop Cross Connect 2-Wire DSL Non-Central Office Originating		UKCZ2	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	MO	SUB-LOOPS	Subloop Cross Connect 4-Wire DSL Non-Central Office Originating		UKCZ4	4
13	MO	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 1		UXRA1	1
13	MO	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 2		UXRA2	2
13	MO	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 3		UXRA3	3
13	MO	UNBUNDLED DEDICATED TRANSPORT	4-Wire Analog Loop Cross Connect to POA - Method 1		UXRB1	1
13	MO	UNBUNDLED DEDICATED TRANSPORT	4-Wire Analog Loop Cross Connect to POA - Method 2		UXRB2	2
13	MO	UNBUNDLED DEDICATED TRANSPORT	4-Wire Analog Loop Cross Connect to POA - Method 3		UXRB3	3
13	MO	UNBUNDLED DEDICATED TRANSPORT	2-Wire Digital Loop Cross Connect to POA - Method 1		UXRC1	1
13	MO	UNBUNDLED DEDICATED TRANSPORT	2-Wire Digital Loop Cross Connect to POA - Method 2		UXRC2	2
13	MO	UNBUNDLED DEDICATED TRANSPORT	2-Wire Digital Loop Cross Connect to POA - Method 3		UXRC3	3
13	MO	UNBUNDLED DEDICATED TRANSPORT	4-Wire Digital Loop Cross Connect to POA - Method 1		UXRD1	1
13	MO	UNBUNDLED DEDICATED TRANSPORT	4-Wire Digital Loop Cross Connect to POA - Method 2		UXRD2	2
13	MO	UNBUNDLED DEDICATED TRANSPORT	4-Wire Digital Loop Cross Connect to POA - Method 3		UXRD3	3
13	MO	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connect to POA: DS1 - Method 1		UXRQ1	1
13	MO	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connect to POA: DS1 - Method 2		UXRQ2	2
13	MO	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connect to POA: DS1 - Method 3		UXRQ3	3
13	MO	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connect to POA: DS3 - Method 1			1
13	MO	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connect to POA: DS3 - Method 2			2
13	MO	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connect to POA: DS3 - Method 3			3
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Urban STL, KC)		ULNHS	1
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNHS	2
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Rural)		ULNHS	3
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 4 (Urban Springfield)		ULNHS	4
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone		ULNHS	1
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Urban STL, KC)		ULNHS	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNHS	2
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Rural)		ULNHS	3
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 4 (Urban Springfield)		ULNHS	4
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone		ULNHS	1
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Urban STL, KC)		ULNJS	1
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNJS	2
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Rural)		ULNJS	3
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 4 (Urban Springfield)		ULNJS	4
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone		ULNJS	1
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Urban STL, KC)		ULNJS	1
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNJS	2
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Rural)		ULNJS	3
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 4 (Urban Springfield)		ULNJS	4
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone		ULNJS	1
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT Cross Connect - DS1 to Collocation	UBNTX	DXZTA	
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT Cross Connect - DS1 to Collocation - Disconnect	UBNTX	NKCTE	
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT Cross Connect - DS3 to Collocation		UCXJX	
13	MO	UNBUNDLED DEDICATED TRANSPORT	DS1 to VG - Multiplexing		UM4BX	
13	MO	UNBUNDLED DEDICATED TRANSPORT	DS3 to DS1 - Multiplexing		UM4AX	
13	MO	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber -Interoffice per strand		ULYCX	
13	MO	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per foot Zone 1(Urban STL, KS)		ULNCF	1
13	MO	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per foot Zone 2 (Suburban)		ULNCF	2
13	MO	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per foot Zone 3 (Rural)		ULNCF	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	MO	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per foot Zone 4 Urban (Springfield)		ULNCF	4
13	MO	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Cross Connect - Interoffice		UKCJX	1
13	MO	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice Inquiry		NR9D6	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	Routine Modifications of Existing Facilities		N3RUE	
7	MO	OPERATIONS SUPPORT SYSTEMS (OSS)	800 Database - Toll Free Database Query			
7	MO	OPERATIONS SUPPORT SYSTEMS (OSS)	800 Database - Call Handling and Destination			
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual New - Complex		NRBUR	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Change - Complex		NRBUP	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Record - Complex		NRBUV	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Disconnect - Complex		NRBUX	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Expedited - Complex		NRMV2	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Customer Not Ready - Complex		NRMV6	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Due Date Change or Cancellation - Complex		NRMV4	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic New - Complex		NRBAW	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Change - Complex		NR9G8	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Record - Simple		NR9GU	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Record - Complex		NR9G7	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Disconnect - Complex		NR9G9	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Expedited - Complex		NRMVX	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Customer Not Ready - Complex		NRMVY	
13	MO	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Due Date Change or Cancellation - Complex		NRMVZ	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEAL2	1
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEAL2	1
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEAL2	2
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEAL2	2
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEAL2	3
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEAL2	3
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 4	UEANL	UEAL2	4
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 4 [DISCONNECT]	UEANL	UEAL2	4
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEASL	1
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEASL	1
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEASL	2
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEASL	2
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEASL	3
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEASL	3
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 4	UEANL	UEASL	4
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 4 [DISCONNECT]	UEANL	UEASL	4
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Manual Order Coordination for UVL-SL1s (per loop)	UEANL	UEAMC	
15	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Order Coordination for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1 [DISCONNECT]	UEANL	UREPN	
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL1	UEANL	UREPM	
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1	UEQ	UEQ2X	1
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1 [DISCONNECT]	UEQ	UEQ2X	1
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2	UEQ	UEQ2X	2
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2 [DISCONNECT]	UEQ	UEQ2X	2
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3	UEQ	UEQ2X	3
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3 [DISCONNECT]	UEQ	UEQ2X	3
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 4	UEQ	UEQ2X	4
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 4 [DISCONNECT]	UEQ	UEQ2X	4
14R-CU	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Tag Loop at End User Premise	UEQ	URETL	
14R-CU	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic 1st Half Hour	UEQ	URET1	
14R-CU	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic Additional Half Hour	UEQ	URETA	
15	MS	UNBUNDLED EXCHANGE ACCESS LOOP	Manual Order Coordination 2 Wire Unbundled Copper Loop - Non-Designed (per loop)	UEQ	USBMC	
15	MS	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND	UEQ	UREPN	
15	MS	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND [DISCONNECT]	UEQ	UREPN	
15	MS	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
15	MS	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
15	MS	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL2	UEA	UREPM	
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEA	UEAL4	1
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEA	UEAL4	2
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEA	UEAL4	3
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 4	UEA	UEAL4	4
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 4 [DISCONNECT]	UEA	UEAL4	4
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES	
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 1	UDN	U1L2X	1
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 1 [DISCONNECT]	UDN	U1L2X	1
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 2	UDN	U1L2X	2
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 2 [DISCONNECT]	UDN	U1L2X	2
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 3	UDN	U1L2X	3
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 3 [DISCONNECT]	UDN	U1L2X	3
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 4	UDN	U1L2X	4
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 4 [DISCONNECT]	UDN	U1L2X	4
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 1	UAL	UAL2X	1
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 1 [DISCONNECT]	UAL	UAL2X	1
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 2	UAL	UAL2X	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 2 [DISCONNECT]	UAL	UAL2X	2
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 3	UAL	UAL2X	3
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 3 [DISCONNECT]	UAL	UAL2X	3
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 4	UAL	UAL2X	4
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 4 [DISCONNECT]	UAL	UAL2X	4
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 1	UAL	UAL2W	1
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 1 [DISCONNECT]	UAL	UAL2W	1
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 2	UAL	UAL2W	2
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 2 [DISCONNECT]	UAL	UAL2W	2
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 3	UAL	UAL2W	3
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 3 [DISCONNECT]	UAL	UAL2W	3
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 4	UAL	UAL2W	4
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 4 [DISCONNECT]	UAL	UAL2W	4
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 1	UHL	UHL2X	1
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 1 [DISCONNECT]	UHL	UHL2X	1
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 2	UHL	UHL2X	2
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 2 [DISCONNECT]	UHL	UHL2X	2
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 3	UHL	UHL2X	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 3 [DISCONNECT]	UHL	UHL2X	3
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 4	UHL	UHL2X	4
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 4 [DISCONNECT]	UHL	UHL2X	4
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1	UHL	UHL2W	1
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UHL	UHL2W	1
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2	UHL	UHL2W	2
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UHL	UHL2W	2
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3	UHL	UHL2W	3
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UHL	UHL2W	3
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 4	UHL	UHL2W	4
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 4 [DISCONNECT]	UHL	UHL2W	4
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4 Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 1	UHL	UHL4X	1
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4 Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UHL	UHL4X	1
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 2	UHL	UHL4X	2
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UHL	UHL4X	2
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 3	UHL	UHL4X	3
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UHL	UHL4X	3
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 4	UHL	UHL4X	4

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 4 [DISCONNECT]	UHL	UHL4X	4
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1	UHL	UHL4W	1
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UHL	UHL4W	1
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2	UHL	UHL4W	2
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UHL	UHL4W	2
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3	UHL	UHL4W	3
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UHL	UHL4W	3
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 4	UHL	UHL4W	4
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 4 [DISCONNECT]	UHL	UHL4W	4
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 1	USL	USLXX	1
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 1 [DISCONNECT]	USL	USLXX	1
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 2	USL	USLXX	2
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 2 [DISCONNECT]	USL	USLXX	2
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 3	USL	USLXX	3
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 3 [DISCONNECT]	USL	USLXX	3
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 4	USL	USLXX	4
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 4 [DISCONNECT]	USL	USLXX	4
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS1)	USL	URESL	
13	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS1)	USL	URESP	
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 1	UCL	UCLPB	1
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 1 [DISCONNECT]	UCL	UCLPB	1
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 2	UCL	UCLPB	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 2 [DISCONNECT]	UCL	UCLPB	2
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 3	UCL	UCLPB	3
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 3 [DISCONNECT]	UCL	UCLPB	3
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 4	UCL	UCLPB	4
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 4 [DISCONNECT]	UCL	UCLPB	4
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1	UCL	UCLPW	1
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UCL	UCLPW	1
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2	UCL	UCLPW	2
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UCL	UCLPW	2
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3	UCL	UCLPW	3
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UCL	UCLPW	3
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 4	UCL	UCLPW	4
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 4 [DISCONNECT]	UCL	UCLPW	4
15	MS	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Order Coordination for Unbundled Copper Loops (per loop)	UCL	UCLMC	
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 1	UCL	UCL4S	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UCL	UCL4S	1
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 2	UCL	UCL4S	2
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UCL	UCL4S	2
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 3	UCL	UCL4S	3
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UCL	UCL4S	3
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 4	UCL	UCL4S	4
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 4 [DISCONNECT]	UCL	UCL4S	4
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1	UCL	UCL4W	1
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UCL	UCL4W	1
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2	UCL	UCL4W	2
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UCL	UCL4W	2
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3	UCL	UCL4W	3
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UCL	UCL4W	3
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 4	UCL	UCL4W	4
14	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 4 [DISCONNECT]	UCL	UCL4W	4
15	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop - Order Coordination for Unbundled Copper Loops (per loop)	UCL	UCLMC	
15	MS	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop - Order Coordination for Specified Conversion Time (per LSR)	UEA, UDN, UAL, UHL, UDL, USL	OCOSL	
13	MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAL2	1
13	MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2	2
13	MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAL2	2
13	MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3
13	MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAL2	3
13	MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 4	NTCVG	UEAL2	4
13	MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 4 [DISCONNECT]	NTCVG	UEAL2	4
13	MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1
13	MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAR2	1
13	MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2
13	MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAR2	2
13	MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3
13	MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAR2	3
13	MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 4	NTCVG	UEAR2	4
13	MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 4 [DISCONNECT]	NTCVG	UEAR2	4
13	MS	UNE LOOP COMMINGLING	Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES L	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
13	MS	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Loop Tagging - Service Level 2 (SL2)	NTCVG	URETL	
13	MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
13	MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	NTCVG	UEAL4	1
13	MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
13	MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	NTCVG	UEAL4	2
13	MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
13	MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	NTCVG	UEAL4	3
13	MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 4	NTCVG	UEAL4	4
13	MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 4 [DISCONNECT]	NTCVG	UEAL4	4
13	MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URESL	
13	MS	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
13	MS	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 1	NTCD1	USLXX	1
13	MS	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 1 [DISCONNECT]	NTCD1	USLXX	1
13	MS	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 2	NTCD1	USLXX	2
13	MS	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 2 [DISCONNECT]	NTCD1	USLXX	2
13	MS	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 3	NTCD1	USLXX	3
13	MS	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 3 [DISCONNECT]	NTCD1	USLXX	3
13	MS	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 4	NTCD1	USLXX	4
13	MS	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 4 [DISCONNECT]	NTCD1	USLXX	4
13	MS	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS1)	NTCD1	URESL	
13	MS	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS1)	NTCD1	URESP	
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 1	NTCUD	UDL2X	1
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL2X	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 2	NTCUD	UDL2X	2
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL2X	2
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 3	NTCUD	UDL2X	3
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL2X	3
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 4	NTCUD	UDL2X	4
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 4 [DISCONNECT]	NTCUD	UDL2X	4
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 1	NTCUD	UDL4X	1
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL4X	1
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 2	NTCUD	UDL4X	2
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL4X	2
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 3	NTCUD	UDL4X	3
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL4X	3
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 4	NTCUD	UDL4X	4
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 4 [DISCONNECT]	NTCUD	UDL4X	4
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 1	NTCUD	UDL9X	1
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL9X	1
13	MS	UNE LOOP COMMINGLING	5 Wire Unbundled Digital Loop 9.6 Kbps - Zone 2	NTCUD	UDL9X	2
13	MS	UNE LOOP COMMINGLING	5 Wire Unbundled Digital Loop 9.6 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL9X	2
13	MS	UNE LOOP COMMINGLING	6 Wire Unbundled Digital Loop 9.6 Kbps - Zone 3	NTCUD	UDL9X	3
13	MS	UNE LOOP COMMINGLING	6 Wire Unbundled Digital Loop 9.6 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL9X	3
13	MS	UNE LOOP COMMINGLING	7 Wire Unbundled Digital Loop 9.6 Kbps - Zone 4	NTCUD	UDL9X	4
13	MS	UNE LOOP COMMINGLING	7 Wire Unbundled Digital Loop 9.6 Kbps - Zone 4 [DISCONNECT]	NTCUD	UDL9X	4
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 1	NTCUD	UDL19	1
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL19	1
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 2	NTCUD	UDL19	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL19	2
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 3	NTCUD	UDL19	3
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL19	3
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 4	NTCUD	UDL19	4
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 4 [DISCONNECT]	NTCUD	UDL19	4
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 1	NTCUD	UDL56	1
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL56	1
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 2	NTCUD	UDL56	2
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL56	2
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 3	NTCUD	UDL56	3
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL56	3
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 4	NTCUD	UDL56	4
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 4 [DISCONNECT]	NTCUD	UDL56	4
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 1	NTCUD	UDL64	1
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL64	1
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 2	NTCUD	UDL64	2
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL64	2
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 3	NTCUD	UDL64	3
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL64	3
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 4	NTCUD	UDL64	4
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 4 [DISCONNECT]	NTCUD	UDL64	4
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 19.2, 56 or 64 Kbps - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCUD	URES	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 19.2, 56 or 64 Kbps - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCUD	URESP	
15	MS	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 19.2, 56 or 64 Kbps - Order Coordination for Specified Conversion Time (per LSR)	NTCVG, NTCUD, NTCDD1	OCOSL	
13	MS	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Basic Time, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTCDD1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULDVX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVBT	
13	MS	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Overtime, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTCDD1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULDVX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVOT	
13	MS	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Premium, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTCDD1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULDVX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVPT	
14	MS	LOOP MODIFICATION	Unbundled Loop Modification, Removal of Load Coils - 2 Wire pair less than or equal to 18k ft, per Unbundled Loop	UAL, UHL, UCL, UEQ, ULS, UEA, UEANL, UEPSR, UEPSB	ULM2L	
14	MS	LOOP MODIFICATION	Unbundled Loop Modification Removal of Load Coils - 4 Wire less than or equal to 18K ft, per Unbundled Loop	UHL, UCL, UEA	ULM4L	
14	MS	LOOP MODIFICATION	Unbundled Loop Modification Removal of Bridged Tap Removal, per unbundled loop	UAL, UHL, UCL, UEQ, ULS, UEA, UEANL, UEPSR, UEPSB	ULMBT	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	MS	SUB-LOOPS	Sub-Loop - Per Cross Box Location - CLEC Feeder Facility Set-Up	UEANL, UEF	USBSA	
13MR-SL	MS	SUB-LOOPS	Sub-Loop - Per Cross Box Location - Per 25 Pair Panel Set-Up	UEANL, UEF	USBSB	
13MR-SL	MS	SUB-LOOPS	Sub-Loop - Per Building Equipment Room - CLEC Feeder Facility Set-Up	UEANL	USBSC	
13MR-SL	MS	SUB-LOOPS	Sub-Loop - Per Building Equipment Room - Per 25 Pair Panel Set-Up	UEANL	USBSD	
13MR-SL	MS	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 1	UEANL	USBN2	1
13MR-SL	MS	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEANL	USBN2	1
13MR-SL	MS	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 2	UEANL	USBN2	2
13MR-SL	MS	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEANL	USBN2	2
13MR-SL	MS	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 3	UEANL	USBN2	3
13MR-SL	MS	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEANL	USBN2	3
13MR-SL	MS	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 4	UEANL	USBN2	4
13MR-SL	MS	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 4 [DISCONNECT]	UEANL	USBN2	4
13	MS	SUB-LOOPS	Order Coordination for Unbundled Sub-Loops, per sub-loop pair	UEANL	USBMC	
13MR-SL	MS	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 1	UEANL	USBN4	1
13MR-SL	MS	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEANL	USBN4	1
13MR-SL	MS	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 2	UEANL	USBN4	2
13MR-SL	MS	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEANL	USBN4	2
13MR-SL	MS	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 3	UEANL	USBN4	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	MS	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEANL	USBN4	3
13MR-SL	MS	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 4	UEANL	USBN4	4
13MR-SL	MS	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 4 [DISCONNECT]	UEANL	USBN4	4
13MR-SL	MS	SUB-LOOPS	Sub-Loop 2-Wire Intrabuilding Network Cable (INC)	UEANL	USBR2	
13MR-SL	MS	SUB-LOOPS	Sub-Loop 2-Wire Intrabuilding Network Cable (INC) [DISCONNECT]	UEANL	USBR2	
13MR-SL	MS	SUB-LOOPS	Sub-Loop 4-Wire Intrabuilding Network Cable (INC)	UEANL	USBR4	
13MR-SL	MS	SUB-LOOPS	Sub-Loop 4-Wire Intrabuilding Network Cable (INC) [DISCONNECT]	UEANL	USBR4	
13MR-SL	MS	SUB-LOOPS	Loop Testing - Basic 1st Half Hour	UEANL	URET1	
13MR-SL	MS	SUB-LOOPS	Loop Testing - Basic Additional Half Hour	UEANL	URETA	
13MR-SL	MS	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 1	UEF	UCS2X	1
13MR-SL	MS	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 1 [DISCONNECT]	UEF	UCS2X	1
13MR-SL	MS	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 2	UEF	UCS2X	2
13MR-SL	MS	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 2 [DISCONNECT]	UEF	UCS2X	2
13MR-SL	MS	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 3	UEF	UCS2X	3
13MR-SL	MS	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 3 [DISCONNECT]	UEF	UCS2X	3
13MR-SL	MS	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 4	UEF	UCS2X	4
13MR-SL	MS	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 4 [DISCONNECT]	UEF	UCS2X	4
13	MS	SUB-LOOPS	Order Coordination for Unbundled Sub-Loops, per sub-loop pair	UEF	USBMC	
13MR-SL	MS	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 1	UEF	UCS4X	1
13MR-SL	MS	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 1 [DISCONNECT]	UEF	UCS4X	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	MS	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 2	UEF	UCS4X	2
13MR-SL	MS	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 2 [DISCONNECT]	UEF	UCS4X	2
13MR-SL	MS	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 3	UEF	UCS4X	3
13MR-SL	MS	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 3 [DISCONNECT]	UEF	UCS4X	3
13MR-SL	MS	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 4	UEF	UCS4X	4
13MR-SL	MS	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 4 [DISCONNECT]	UEF	UCS4X	4
13MR-SL	MS	SUB-LOOPS	Loop Tagging Service Level 1, Unbundled Copper Loop, Non-Designed and Distribution Subloops	UEF, UEANL	URETL	
13MR-SL	MS	SUB-LOOPS	Loop Testing - Basic 1st Half Hour	UEF	URET1	
13MR-SL	MS	SUB-LOOPS	Loop Testing - Basic Additional Half Hour	UEF	URETA	
13	MS	SUB-LOOPS	Unbundled Sub-Loop Modification - 2-W Copper Dist Load Coil/Equip Removal per 2-W PR	UEF	ULM2X	
13	MS	SUB-LOOPS	Unbundled Sub-loop Modification - 4-W Copper Dist Load Coil/Equip Removal per 4-W PR	UEF	ULM4X	
13	MS	SUB-LOOPS	Unbundled Sub-Loop Modification, Removal of Bridge Tap, per unbundled loop	UEF	ULMBT	
13MR-SL	MS	SUB-LOOPS	Unbundled Network Terminating Wire (UNTW) per Pair	UENTW	UENPP	
13	MS	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-2 lines	UENTW	UND12	
13	MS	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-6 lines	UENTW	UND16	
13	MS	ADDITIONAL NETWORK ELEMENTS	Network Interface Device Cross Connect - 2 W	UENTW	UNDC2	
13	MS	ADDITIONAL NETWORK ELEMENTS	Network Interface Device Cross Connect - 4W	UENTW	UNDC4	
13	MS	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled Contact Name, Provisioning Only - no rate	UAL, UCL, UDC, UDL, UDN, UEA, UHL, UEANL, UEF, UEQ, UENTW, NTCVG, NTCUD, NTCD1, USL	UNECN	
13	MS	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled DS1 Loop - Superframe Format Option - no rate	USL, NTCD1	CCOSF	
13	MS	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled DS1 Loop - Expanded Superframe Format option - no rate	USL, NTCD1	CCOEF	
13	MS	UNE OTHER, PROVISIONING ONLY - NO RATE	NID - Dispatch and Service Order for NID installation	UENTW	UNDBX	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	MS	UNE OTHER, PROVISIONING ONLY - NO RATE	UNTW Circuit Establishment, Provisioning Only - No Rate	UENTW	UENCE	
14	MS	LOOP MAKE-UP	Loop Makeup - Preordering Without Reservation, per working or spare facility queried (Manual).	UMK	UMKLW	
14	MS	LOOP MAKE-UP	Loop Makeup - Preordering With Reservation, per spare facility queried (Manual).	UMK	UMKLP	
14	MS	LOOP MAKE-UP	Loop Makeup--With or Without Reservation, per working or spare facility queried (Mechanized)	UMK	UMKMQ	
14R-LS	MS	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation DLEC owned splitter	UEPSR, UEPSB	UREOS	
14R-LS	MS	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation AT&T owned - physical	UEPSR, UEPSB	UREBP	
14R-LS	MS	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation AT&T owned - physical [DISCONNECT]	UEPSR, UEPSB	UREBP	
14R-LS	MS	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation AT&T owned - virtual	UEPSR, UEPSB	UREBV	
14R-LS	MS	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation AT&T owned - virtual [DISCONNECT]	UEPSR, UEPSB	UREBV	
14R-LS	MS	LINE SPLITTING	End User Ordering - Remote Site Shared Loop Line Activation for End Users - CLEC Owned Splitter	UEPSR, UEPSB	URERS	
14R-LS	MS	LINE SPLITTING	End User Ordering - Remote Site Shared Loop Line Activation for End Users - CLEC Owned Splitter [DISCONNECT]	UEPSR, UEPSB	URERS	
14R-LS	MS	LINE SPLITTING	End User Ordering - Remote Site Shared Loop - Subsequent Activity - CLEC Owned Splitter	UEPSR, UEPSB	URERA	
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1	UEPSR, UEPSB	UEALS	1
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1 [DISCONNECT]	UEPSR, UEPSB	UEALS	1
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1	UEPSR, UEPSB	UEABS	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1 [DISCONNECT]	UEPSR, UEPSB	UEABS	1
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2	UEPSR, UEPSB	UEALS	2
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2 [DISCONNECT]	UEPSR, UEPSB	UEALS	2
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2	UEPSR, UEPSB	UEABS	2
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2 [DISCONNECT]	UEPSR, UEPSB	UEABS	2
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3	UEPSR, UEPSB	UEALS	3
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3 [DISCONNECT]	UEPSR, UEPSB	UEALS	3
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3	UEPSR, UEPSB	UEABS	3
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3 [DISCONNECT]	UEPSR, UEPSB	UEABS	3
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 4	UEPSR, UEPSB	UEALS	4
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 4 [DISCONNECT]	UEPSR, UEPSB	UEALS	4
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 4	UEPSR, UEPSB	UEABS	4

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 4 [DISCONNECT]	UEPSR, UEPSB	UEABS	4
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 1	UEPSR, UEPSB	UEARS	1
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 1 [DISCONNECT]	UEPSR, UEPSB	UEARS	1
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 2	UEPSR, UEPSB	UEARS	2
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 2 [DISCONNECT]	UEPSR, UEPSB	UEARS	2
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 3	UEPSR, UEPSB	UEARS	3
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 3 [DISCONNECT]	UEPSR, UEPSB	UEARS	3
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 4	UEPSR, UEPSB	UEARS	4
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - Remote Site 2 Wire Analog Voice Grade Loop -Service Level 1- Line Splitting - CLEC Owned Splitter - Zone 4 [DISCONNECT]	UEPSR, UEPSB	UEARS	4
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - Physical Collocation-2 Wire Cross Connects (Loop) for Line Splitting	UEPSR, UEPSB	PE1LS	
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - Physical Collocation-2 Wire Cross Connects (Loop) for Line Splitting [DISCONNECT]	UEPSR, UEPSB	PE1LS	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - Virtual Collocation-2 Wire Cross Connects (Loop) for Line Splitting	UEPSR, UEPSB	VE1LS	
14R-LS	MS	LINE SPLITTING	Unbundled Exchange Access Loop - Virtual Collocation-2 Wire Cross Connects (Loop) for Line Splitting [DISCONNECT]	UEPSR, UEPSB	VE1LS	
13	MS	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	
13	MS	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1	
13	MS	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination [DISCONNECT]	U1TD1	U1TF1	
13	MS	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
13	MS	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
13	MS	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination [DISCONNECT]	U1TD3	U1TF3	
13	MS	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof	UDF	1L5DF	
13	MS	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof	UDF	UDF14	
13	MS	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof [DISCONNECT]	UDF	UDF14	
13	MS	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - per mile	UE3	1L5ND	
13	MS	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination	UE3	UE3PX	
13	MS	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination [DISCONNECT]	UE3	UE3PX	
13	MS	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1	UNCVX	UEAL4	1
13	MS	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1 [DISCONNECT]	UNCVX	UEAL4	1
13	MS	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2	UNCVX	UEAL4	2
13	MS	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2 [DISCONNECT]	UNCVX	UEAL4	2
13	MS	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3	UNCVX	UEAL4	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	MS	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3 [DISCONNECT]	UNCVX	UEAL4	3
13	MS	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 4	UNCVX	UEAL4	4
13	MS	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 4 [DISCONNECT]	UNCVX	UEAL4	4
13	MS	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1
13	MS	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1 [DISCONNECT]	UNC1X	USLXX	1
13	MS	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
13	MS	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2 [DISCONNECT]	UNC1X	USLXX	2
13	MS	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3
13	MS	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3 [DISCONNECT]	UNC1X	USLXX	3
13	MS	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 4	UNC1X	USLXX	4
13	MS	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 4 [DISCONNECT]	UNC1X	USLXX	4
13	MS	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
13	MS	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
13	MS	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination [DISCONNECT]	UNC3X	UE3PX	
13	MS	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
13	MS	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination	UNC1X	U1TF1	
13	MS	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination [DISCONNECT]	UNC1X	U1TF1	
13	MS	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
13	MS	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination	UNC3X	U1TF3	
13	MS	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination [DISCONNECT]	UNC3X	U1TF3	
13	MS	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Extended Frame Option - per DS1	U1TD1, UNC1X	CCOEF	
13	MS	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Extended Frame Option - per DS1 [DISCONNECT]	U1TD1, UNC1X	CCOEF	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	MS	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Super FrameOption - per DS1	U1TD1, UNC1X	CCOSF	
13	MS	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Super FrameOption - per DS1 [DISCONNECT]	U1TD1, UNC1X	CCOSF	
13	MS	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability (SF/ESF) Option - Subsequent Activity - per DS1	U1TD1, UNC1X, USL	NRCCC	
13	MS	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability (SF/ESF) Option - Subsequent Activity - per DS1 [DISCONNECT]	U1TD1, UNC1X, USL	NRCCC	
13	MS	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: C-bit Parity Option - Subsequent Activity - per DS3	U1TD3, UE3, UNC3X	NRCC3	
13	MS	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: C-bit Parity Option - Subsequent Activity - per DS3 [DISCONNECT]	U1TD3, UE3, UNC3X	NRCC3	
13	MS	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1/DS0 Channel System	UNC1X	MQ1	
13	MS	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1/DS0 Channel System [DISCONNECT]	UNC1X	MQ1	
13	MS	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS3/DS1Channel System	UNC3X	MQ3	
13	MS	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS3/DS1Channel System [DISCONNECT]	UNC3X	MQ3	
13	MS	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Voice Grade COCI in combination	UNCVX	1D1VG	
13	MS	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Voice Grade COCI - for 2W-SL2 & 4W Voice Grade Local Loop	UEA	1D1VG	
13	MS	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI in combination	UNC1X	UC1D1	
13	MS	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI - for Stand Alone Interoffice Channel	U1TD1	UC1D1	
13	MS	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI - for DS1 Local Loop	USL, NTCDD1	UC1D1	
13	MS	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Wholesale - UNE, Switch-As-Is Conversion Charge	UNCVX, UNC1X, UNC3X, XDH1X, HFQC6, XDD2X, XDV6X	UNCCC	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	MS	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Unbundled Misc Rate Element, SNE SAI, Single Network Element - Switch As Is Non-recurring Charge, per circuit (LSR)	U1TVX, U1TD3, UDF, UE3	URES	
13	MS	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Unbundled Misc Rate Element, SNE SAI, Single Network Element - Switch As Is Non-recurring Charge, incremental charge per circuit on a spreadsheet	U1TVX, U1TD3, UDF, UE3	URESP	
13	MS	ADDITIONAL NETWORK ELEMENTS	Service Rearrangements - NRC - Order Coordination Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR	
13	MS	COMMINGLING	Commingling Authorization	UNCVX, UNC1X, UNC3X, U1TD3, UE3, U1TVX	CMGAU	
13	MS	COMMINGLING	Commingling Authorization [DISCONNECT]	UNCVX, UNC1X, UNC3X, U1TD3, UE3, U1TVX	CMGAU	
13	MS	COMMINGLING	Commingled VG COCI	XDV2X, NTCVG	1D1VG	
13	MS	COMMINGLING	Commingled 4-wire Local Loop Zone 1	XDV6X	UEAL4	1
13	MS	COMMINGLING	Commingled 4-wire Local Loop Zone 1 [DISCONNECT]	XDV6X	UEAL4	1
13	MS	COMMINGLING	Commingled 4-wire Local Loop Zone 2	XDV6X	UEAL4	2
13	MS	COMMINGLING	Commingled 4-wire Local Loop Zone 2 [DISCONNECT]	XDV6X	UEAL4	2
13	MS	COMMINGLING	Commingled 4-wire Local Loop Zone 3	XDV6X	UEAL4	3
13	MS	COMMINGLING	Commingled 4-wire Local Loop Zone 3 [DISCONNECT]	XDV6X	UEAL4	3
13	MS	COMMINGLING	Commingled 4-wire Local Loop Zone 4	XDV6X	UEAL4	4
13	MS	COMMINGLING	Commingled 4-wire Local Loop Zone 4 [DISCONNECT]	XDV6X	UEAL4	4
13	MS	COMMINGLING	Commingled DS1 COCI	XDH1X, NTCD1	UC1D1	
13	MS	COMMINGLING	Commingled DS1 Interoffice Channel	XDH1X	U1TF1	
13	MS	COMMINGLING	Commingled DS1 Interoffice Channel [DISCONNECT]	XDH1X	U1TF1	
13	MS	COMMINGLING	Commingled DS1 Interoffice Channel Mileage	XDH1X	1L5XX	
13	MS	COMMINGLING	Commingled DS1/DS0 Channel System	XDH1X	MQ1	
13	MS	COMMINGLING	Commingled DS1/DS0 Channel System [DISCONNECT]	XDH1X	MQ1	
13	MS	COMMINGLING	Commingled DS1 Local Loop Zone 1	XDH1X	USLXX	1
13	MS	COMMINGLING	Commingled DS1 Local Loop Zone 1 [DISCONNECT]	XDH1X	USLXX	1
13	MS	COMMINGLING	Commingled DS1 Local Loop Zone 2	XDH1X	USLXX	2
13	MS	COMMINGLING	Commingled DS1 Local Loop Zone 2 [DISCONNECT]	XDH1X	USLXX	2
13	MS	COMMINGLING	Commingled DS1 Local Loop Zone 3	XDH1X	USLXX	3
13	MS	COMMINGLING	Commingled DS1 Local Loop Zone 3 [DISCONNECT]	XDH1X	USLXX	3
13	MS	COMMINGLING	Commingled DS1 Local Loop Zone 4	XDH1X	USLXX	4
13	MS	COMMINGLING	Commingled DS1 Local Loop Zone 4 [DISCONNECT]	XDH1X	USLXX	4

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	MS	COMMINGLING	Commingled DS3 Local Loop	HFQC6	UE3PX	
13	MS	COMMINGLING	Commingled DS3 Local Loop [DISCONNECT]	HFQC6	UE3PX	
13	MS	COMMINGLING	Commingled DS3/DS1 Channel System	HFQC6	MQ3	
13	MS	COMMINGLING	Commingled DS3/DS1 Channel System [DISCONNECT]	HFQC6	MQ3	
13	MS	COMMINGLING	Commingled DS3 Interoffice Channel	HFQC6	U1TF3	
13	MS	COMMINGLING	Commingled DS3 Interoffice Channel [DISCONNECT]	HFQC6	U1TF3	
13	MS	COMMINGLING	Commingled DS3 Interoffice Channel Mileage	HFQC6	1L5XX	
13	MS	COMMINGLING	UNE to Commingled Conversion Tracking	XDH1X, HFQC6	CMGUN	
13	MS	COMMINGLING	UNE to Commingled Conversion Tracking [DISCONNECT]	XDH1X, HFQC6	CMGUN	
13	MS	COMMINGLING	SPA to Commingled Conversion Tracking	XDH1X, HFQC6	CMGSP	
13	MS	COMMINGLING	SPA to Commingled Conversion Tracking [DISCONNECT]	XDH1X, HFQC6	CMGSP	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEAL2	1
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEAL2	2
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEAL2	3
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEASL	1
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEASL	2
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEASL	3
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Manual Order Coordination for UVL-SL1s (per loop)	UEANL	UEAMC	
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Order Coordination for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL1	UEANL	UREPM	
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1	UEQ	UEQ2X	1
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2	UEQ	UEQ2X	2
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3	UEQ	UEQ2X	3
14R-CU	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Tag Loop at End User Premise	UEQ	URETL	
14R-CU	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic 1st Half Hour	UEQ	URET1	
14R-CU	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic Additional Half Hour	UEQ	URETA	
15	NC	UNBUNDLED EXCHANGE ACCESS LOOP	Manual Order Coordination 2 Wire Unbundled Copper Loop - Non-Designed (per loop)	UEQ	USBMC	
15	NC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND	UEQ	UREPN	
15	NC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
15	NC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN	
15	NC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL2	UEA	UREPM	
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 1	UDN	U1L2X	1
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 2	UDN	U1L2X	2
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 3	UDN	U1L2X	3
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 1	UAL	UAL2X	1
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 2	UAL	UAL2X	2
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 3	UAL	UAL2X	3
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 1	UAL	UAL2W	1
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 2	UAL	UAL2W	2
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 3	UAL	UAL2W	3
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 1	UHL	UHL2X	1
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 2	UHL	UHL2X	2
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 3	UHL	UHL2X	3
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1	UHL	UHL2W	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2	UHL	UHL2W	2
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3	UHL	UHL2W	3
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	4 Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 1	UHL	UHL4X	1
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 2	UHL	UHL4X	2
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 3	UHL	UHL4X	3
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1	UHL	UHL4W	1
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2	UHL	UHL4W	2
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3	UHL	UHL4W	3
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 1	USL	USLXX	1
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 2	USL	USLXX	2
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 3	USL	USLXX	3
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS1)	USL	URES	
13	NC	UNBUNDLED EXCHANGE ACCESS LOOP	Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS1)	USL	URESP	
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 1	UCL	UCLPB	1
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 2	UCL	UCLPB	2
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 3	UCL	UCLPB	3
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1	UCL	UCLPW	1
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2	UCL	UCLPW	2
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3	UCL	UCLPW	3
15	NC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Order Coordination for Unbundled Copper Loops (per loop)	UCL	UCLMC	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop including manual service inquiry and facility reservation - Zone 1	UCL	UCL4S	1
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop including manual service inquiry and facility reservation - Zone 2	UCL	UCL4S	2
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop including manual service inquiry and facility reservation - Zone 3	UCL	UCL4S	3
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop without manual service inquiry and facility reservation - Zone 1	UCL	UCL4W	1
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop without manual service inquiry and facility reservation - Zone 2	UCL	UCL4W	2
14	NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop without manual service inquiry and facility reservation - Zone 3	UCL	UCL4W	3
15	NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop - Order Coordination for Unbundled Copper Loops (per loop)	UCL	UCLMC	
15	NC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop - Order Coordination for Specified Conversion Time (per LSR)	UEA, UDN, UAL, UHL, UDL, USL	OCOSL	
13	NC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
13	NC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2	2
13	NC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3
13	NC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1
13	NC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2
13	NC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3
13	NC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES�	
13	NC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
13	NC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Loop Tagging - Service Level 2 (SL2)	NTCVG	URETL	
13	NC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
13	NC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
13	NC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES	
13	NC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
13	NC	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 1	NTCD1	USLXX	1
13	NC	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 2	NTCD1	USLXX	2
13	NC	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 3	NTCD1	USLXX	3
13	NC	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS1)	NTCD1	URES	
13	NC	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS1)	NTCD1	URESP	
13	NC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 1	NTCUD	UDL2X	1
13	NC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 2	NTCUD	UDL2X	2
13	NC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone3	NTCUD	UDL2X	3
13	NC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 1	NTCUD	UDL4X	1
13	NC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 2	NTCUD	UDL4X	2
13	NC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 3	NTCUD	UDL4X	3
13	NC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 1	NTCUD	UDL9X	1
13	NC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 2	NTCUD	UDL9X	2
13	NC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 3	NTCUD	UDL9X	3
13	NC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 1	NTCUD	UDL19	1
13	NC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 2	NTCUD	UDL19	2
13	NC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 3	NTCUD	UDL19	3
13	NC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 1	NTCUD	UDL56	1
13	NC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 2	NTCUD	UDL56	2
13	NC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 3	NTCUD	UDL56	3
13	NC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 1	NTCUD	UDL64	1
13	NC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 2	NTCUD	UDL64	2
13	NC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 3	NTCUD	UDL64	3
13	NC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 19.2, 56 or 64 Kbps - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCUD	URES	
13	NC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 19.2, 56 or 64 Kbps - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCUD	URESP	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
15	NC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 19.2, 56 or 64 Kbps - Order Coordination for Specified Conversion Time (per LSR)	NTCVG, NTCUD, NTCDD1	OCOSL	
13	NC	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Basic Time, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTCDD1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULDVX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVB	
13	NC	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Overtime, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTCDD1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULDVX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVOT	
13	NC	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Premium, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTCDD1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULDVX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVPT	
14	NC	LOOP MODIFICATION	Unbundled Loop Modification, Removal of Load Coils - 2 Wire pair less than or equal to 18k ft, per Unbundled Loop	UAL, UHL, UCL, UEQ, ULS, UEA, UEANL, UEPSR, UEPSB	ULM2L	
14	NC	LOOP MODIFICATION	Unbundled Loop Modification, Removal of Load Coils - 2 wire greater than 18k ft	UCL, ULS, UEQ	ULM2G	
14	NC	LOOP MODIFICATION	Unbundled Loop Modification Removal of Load Coils - 4 Wire less than or equal to 18K ft, per Unbundled Loop	UHL, UCL, UEA	ULM4L	
14	NC	LOOP MODIFICATION	Unbundled Loop Modification Removal of Load Coils - 4 Wire pair greater than 18k ft	UCL	ULM4G	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	NC	LOOP MODIFICATION	Unbundled Loop Modification Removal of Bridged Tap Removal, per unbundled loop	UAL, UHL, UCL, UEQ, ULS, UEA, UEANL, UEPSR, UEPSB	ULMBT	
13MR-SL	NC	SUB-LOOPS	Sub-Loop - Per Cross Box Location - CLEC Feeder Facility Set-Up	UEANL, UEF	USBSA	
13MR-SL	NC	SUB-LOOPS	Sub-Loop - Per Cross Box Location - Per 25 Pair Panel Set-Up	UEANL, UEF	USBSB	
13MR-SL	NC	SUB-LOOPS	Sub-Loop - Per Building Equipment Room - CLEC Feeder Facility Set-Up	UEANL	USBSC	
13MR-SL	NC	SUB-LOOPS	Sub-Loop - Per Building Equipment Room - Per 25 Pair Panel Set-Up	UEANL	USBSD	
13MR-SL	NC	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 1	UEANL	USBN2	1
13MR-SL	NC	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 2	UEANL	USBN2	2
13MR-SL	NC	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 3	UEANL	USBN2	3
13	NC	SUB-LOOPS	Order Coordination for Unbundled Sub-Loops, per sub-loop pair	UEANL	USBMC	
13MR-SL	NC	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 1	UEANL	USBN4	1
13MR-SL	NC	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 2	UEANL	USBN4	2
13MR-SL	NC	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 3	UEANL	USBN4	3
13MR-SL	NC	SUB-LOOPS	Sub-Loop 2-Wire Intrabuilding Network Cable (INC)	UEANL	USBR2	
13MR-SL	NC	SUB-LOOPS	Sub-Loop 4-Wire Intrabuilding Network Cable (INC)	UEANL	USBR4	
13MR-SL	NC	SUB-LOOPS	Loop Testing - Basic 1st Half Hour	UEANL	URET1	
13MR-SL	NC	SUB-LOOPS	Loop Testing - Basic Additional Half Hour	UEANL	URETA	
13MR-SL	NC	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 1	UEF	UCS2X	1
13MR-SL	NC	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 2	UEF	UCS2X	2
13MR-SL	NC	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 3	UEF	UCS2X	3
13	NC	SUB-LOOPS	Order Coordination for Unbundled Sub-Loops, per sub-loop pair	UEF	USBMC	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	NC	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 1	UEF	UCS4X	1
13MR-SL	NC	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 2	UEF	UCS4X	2
13MR-SL	NC	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 3	UEF	UCS4X	3
13MR-SL	NC	SUB-LOOPS	Loop Tagging Service Level 1, Unbundled Copper Loop, Non-Designed and Distribution Subloops	UEF, UEANL	URETL	
13MR-SL	NC	SUB-LOOPS	Loop Testing - Basic 1st Half Hour	UEF	URET1	
13MR-SL	NC	SUB-LOOPS	Loop Testing - Basic Additional Half Hour	UEF	URETA	
13	NC	SUB-LOOPS	Unbundled Sub-Loop Modification - 2-W Copper Dist Load Coil/Equip Removal per 2-W PR	UEF	ULM2X	
13	NC	SUB-LOOPS	Unbundled Sub-loop Modification - 4-W Copper Dist Load Coil/Equip Removal per 4-W PR	UEF	ULM4X	
13	NC	SUB-LOOPS	Unbundled Loop Modification, Removal of Bridge Tap, per unbundled loop	UEF	ULMBT	
13MR-SL	NC	SUB-LOOPS	Unbundled Network Terminating Wire (UNTW) per Pair	UENTW	UENPP	
13	NC	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-2 lines	UENTW	UND12	
13	NC	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-6 lines	UENTW	UND16	
13	NC	ADDITIONAL NETWORK ELEMENTS	Network Interface Device Cross Connect - 2 W	UENTW	UNDC2	
13	NC	ADDITIONAL NETWORK ELEMENTS	Network Interface Device Cross Connect - 4W	UENTW	UNDC4	
13	NC	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled Contact Name, Provisioning Only - no rate	UAL, UCL, UDC, UDL, UDN, UEA, UHL, UEANL, UEF, UEQ, UENTW, NTCVCG, NTCUD, NTCD1, USL	UNECN	
13	NC	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled DS1 Loop - Superframe Format Option - no rate	USL, NTCD1	CCOSF	
13	NC	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled DS1 Loop - Expanded Superframe Format option - no rate	USL, NTCD1	CCOEF	
13	NC	UNE OTHER, PROVISIONING ONLY - NO RATE	NID - Dispatch and Service Order for NID installation	UENTW	UNDBX	
13MR-SL	NC	UNE OTHER, PROVISIONING ONLY - NO RATE	UNTW Circuit Establishment, Provisioning Only - No Rate	UENTW	UENCE	
14	NC	LOOP MAKE-UP	Loop Makeup - Preordering Without Reservation, per working or spare facility queried (Manual).	UMK	UMKLP	
14	NC	LOOP MAKE-UP	Loop Makeup - Preordering With Reservation, per spare facility queried (Manual).	UMK	UMKLP	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	NC	LOOP MAKE-UP	Loop Makeup--With or Without Reservation, per working or spare facility queried (Mechanized)	UMK	UMKMQ	
14R-LS	NC	LINE SPLITTING	Line Splitting - per line activation DLEC owned splitter	UEPSR, UEPSB	UREOS	
14R-LS	NC	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation AT&T owned - physical	UEPSR, UEPSB	UREBP	
14R-LS	NC	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation AT&T owned - virtual	UEPSR, UEPSB	UREBV	
14R-LS	NC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1	UEPSR, UEPSB	UEALS	1
14R-LS	NC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1 [DISCONNECT]	UEPSR, UEPSB	UEALS	1
14R-LS	NC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1	UEPSR, UEPSB	UEABS	1
14R-LS	NC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1 [DISCONNECT]	UEPSR, UEPSB	UEABS	1
14R-LS	NC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2	UEPSR, UEPSB	UEALS	2
14R-LS	NC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2 [DISCONNECT]	UEPSR, UEPSB	UEALS	2
14R-LS	NC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2	UEPSR, UEPSB	UEABS	2
14R-LS	NC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2 [DISCONNECT]	UEPSR, UEPSB	UEABS	2
14R-LS	NC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3	UEPSR, UEPSB	UEALS	3
14R-LS	NC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3 [DISCONNECT]	UEPSR, UEPSB	UEALS	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14R-LS	NC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3	UEPSR, UEPSB	UEABS	3
14R-LS	NC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3 [DISCONNECT]	UEPSR, UEPSB	UEABS	3
14R-LS	NC	LINE SPLITTING	Unbundled Exchange Access Loop - Physical Collocation-2 Wire Cross Connects (Loop) for Line Splitting	UEPSR, UEPSB	PE1LS	
14R-LS	NC	LINE SPLITTING	Unbundled Exchange Access Loop - Physical Collocation-2 Wire Cross Connects (Loop) for Line Splitting [DISCONNECT]	UEPSR, UEPSB	PE1LS	
14R-LS	NC	LINE SPLITTING	Unbundled Exchange Access Loop - Virtual Collocation-2 Wire Cross Connects (Loop) for Line Splitting	UEPSR, UEPSB	VE1LS	
14R-LS	NC	LINE SPLITTING	Unbundled Exchange Access Loop - Virtual Collocation-2 Wire Cross Connects (Loop) for Line Splitting [DISCONNECT]	UEPSR, UEPSB	VE1LS	
13	NC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	
13	NC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
13	NC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
13	NC	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - per mile	UE3	1L5ND	
13	NC	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination	UE3	UE3PX	
13	NC	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof	UDF	1L5DF	
13	NC	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof	UDF	UDF14	
13	NC	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1	UNCVX	UEAL4	1
13	NC	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2	UNCVX	UEAL4	2
13	NC	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3	UNCVX	UEAL4	3
13	NC	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1
13	NC	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
13	NC	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NC	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
13	NC	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
13	NC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
13	NC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination	UNC1X	U1TF1	
13	NC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
13	NC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination	UNC3X	U1TF3	
13	NC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Extended Frame Option - per DS1	U1TD1, UNC1X	CCOEF	
13	NC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Super FrameOption - per DS1	U1TD1, UNC1X	CCOSF	
13	NC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability (SF/ESF) Option - Subsequent Activity - per DS1	U1TD1, UNC1X, USL	NRCCC	
13	NC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability (SF/ESF) Option - Subsequent Activity - per DS1 [DISCONNECT]	U1TD1, UNC1X, USL	NRCCC	
13	NC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: C-bit Parity Option - Subsequent Activity - per DS3	U1TD3, UE3, UNC3X	NRCC3	
13	NC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: C-bit Parity Option - Subsequent Activity - per DS3 [DISCONNECT]	U1TD3, UE3, UNC3X	NRCC3	
13	NC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1/DS0 Channel System	UNC1X	MQ1	
13	NC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS3/DS1Channel System	UNC3X	MQ3	
13	NC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Voice Grade COCI in combination	UNCVX	1D1VG	
13	NC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Voice Grade COCI - for 2W-SL2 & 4W Voice Grade Local Loop	UEA	1D1VG	
13	NC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI in combination	UNC1X	UC1D1	
13	NC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI - for Stand Alone Interoffice Channel	U1TD1	UC1D1	
13	NC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI - for DS1 Local Loop	USL, NTCD1	UC1D1	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Wholesale - UNE, Switch-As-Is Conversion Charge	UNCVX, UNC1X, UNC3X, XDH1X, HFQC6, XDD2X, XDV6X	UNCCC	
13	NC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Unbundled Misc Rate Element, SNE SAI, Single Network Element - Switch As Is Non-recurring Charge, per circuit (LSR)	U1TVX, U1TD3, UDF, UE3	URES	
13	NC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Unbundled Misc Rate Element, SNE SAI, Single Network Element - Switch As Is Non-recurring Charge, incremental charge per circuit on a spreadsheet	U1TVX, U1TD3, UDF, UE3	URESP	
13	NC	ADDITIONAL NETWORK ELEMENTS	NRC - Order Coordination Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR	
13	NC	COMMINGLING	Commingling Authorization	UNCVX, UNC1X, UNC3X, U1TD3, UE3, U1TVX	CMGAU	
13	NC	COMMINGLING	Commingled VG COCI	XDV2X	1D1VG	
13	NC	COMMINGLING	Commingled 4-wire Local Loop Zone 1	XDV6X	UEAL4	1
13	NC	COMMINGLING	Commingled 4-wire Local Loop Zone 2	XDV6X	UEAL4	2
13	NC	COMMINGLING	Commingled 4-wire Local Loop Zone 3	XDV6X	UEAL4	3
13	NC	COMMINGLING	Commingled DS1 COCI	XDH1X	UC1D1	
13	NC	COMMINGLING	Commingled DS1 Interoffice Channel	XDH1X	U1TF1	
13	NC	COMMINGLING	Commingled DS1 Interoffice Channel Mileage	XDH1X	1L5XX	
13	NC	COMMINGLING	Commingled DS1/DS0 Channel System	XDH1X	MQ1	
13	NC	COMMINGLING	Commingled DS1 Local Loop Zone 1	XDH1X	USLXX	1
13	NC	COMMINGLING	Commingled DS1 Local Loop Zone 2	XDH1X	USLXX	2
13	NC	COMMINGLING	Commingled DS1 Local Loop Zone 3	XDH1X	USLXX	3
13	NC	COMMINGLING	Commingled DS3 Local Loop	HFQC6	UE3PX	
13	NC	COMMINGLING	Commingled DS3/DS1 Channel System	HFQC6	MQ3	
13	NC	COMMINGLING	Commingled DS3 Interoffice Channel	HFQC6	U1TF3	
13	NC	COMMINGLING	Commingled DS3 Interoffice Channel Mileage	HFQC6	1L5XX	
13	NC	COMMINGLING	UNE to Commingled Conversion Tracking	XDH1X, HFQC6	CMGUN	
13	NC	COMMINGLING	UNE to Commingled Conversion Tracking [DISCONNECT]	XDH1X, HFQC6	CMGUN	
13	NC	COMMINGLING	SPA to Commingled Conversion Tracking	XDH1X, HFQC6	CMGSP	
13	NC	COMMINGLING	SPA to Commingled Conversion Tracking [DISCONNECT]	XDH1X, HFQC6	CMGSP	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 1	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	LKB	1
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 2	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	LKB	2
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 3	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	LKB	3
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 1	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	LKBAA	1
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 2	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	LKBAA	2
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 3	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	LKBAA	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 1	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	AELKB	1
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 2	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	AELKB	2
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 3	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	AELKB	3
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 1	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	AELKA	1
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 2	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	AELKA	2
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Zone 3	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	AELKA	3
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	5db Conditioning - 2-Wire Analog - Zone 1			1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	5db Conditioning - 2-Wire Analog - Zone 2			2
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	5db Conditioning - 2-Wire Analog - Zone 3			3
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Zone 1	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+,	LK4WA	1
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Zone 2	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+,	LK4WA	2
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Zone 3	EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+	LK4WA	3
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-wire Digital - Zone 1	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++	LKB2Q	1
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-wire Digital - Zone 2	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++	LKB2Q	2
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-wire Digital - Zone 3	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++	LKB2Q	3
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-wire Digital - Zone 1	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++	LKB3Q	1
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-wire Digital - Zone 2	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++	LKB3Q	2
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-wire Digital - Zone 3	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++	LKB3Q	3
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-wire Digital - Zone 1	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++	U2Q	1
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-wire Digital - Zone 2	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++	U2Q	2
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-wire Digital - Zone 3	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++	U2Q	3
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-wire Digital - Zone 1	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++	U3Q	1
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-wire Digital - Zone 2	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++	U3Q	2
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	2-wire Digital - Zone 3	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++	U3Q	3
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop - Zone 1	BDL++, EE7M+	LKC4W	1
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop - Zone 2	BDL++, EE7M+	LKC4W	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop - Zone 3	BDL++, EE7M+	LKC4W	3
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Zone 1	ULUC+, EE7P+, EE7Q+	U4D3X	1
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Zone 2	ULUC+, EE7P+, EE7Q+	U4D3X	2
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Zone 3	ULUC+, EE7P+, EE7Q+	U4D3X	3
14	NV	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - DSL Capable - 2-Wire xDSL Loop Zone 1	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+	2SLAX	1
14	NV	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 -DSL Capable - 2-Wire xDSL Loop Zone 2	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+	2SLAX	2
14	NV	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - DSL Capable - 2-Wire xDSL Loop Zone 3	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+	2SLAX	3
14	NV	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 -DSL Capable - 2-Wire xDSL Loop Zone 1	BP2X+, RP2X+, NS2X+	2SLBX	1
14	NV	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 -DSL Capable - 2-Wire xDSL Loop Zone 2	BP2X+, RP2X+, NS2X+	2SLBX	2
14	NV	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - DSL Capable - 2-Wire xDSL Loop Zone 3	BP2X+, RP2X+, NS2X+	2SLBX	3
14	NV	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 -DSL Capable - 2-Wire xDSL Loop Zone 1	BP3A+, RP3A+, NS3A+	2SLCX	1
14	NV	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - DSL Capable - 2-Wire xDSL Loop Zone 2	BP3A+, RP3A+, NS3A+	2SLCX	2
14	NV	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - DSL Capable - 2-Wire xDSL Loop Zone 3	BP3A+, RP3A+, NS3A+	2SLCX	3
14	NV	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - DSL Capable - 2-Wire xDSL Loop Zone 1	BP4X+, RP4X+, NS4X+	2SLDX	1
14	NV	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - DSL Capable - 2-Wire xDSL Loop Zone 2	BP4X+, RP4X+, NS4X+	2SLDX	2
14	NV	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - DSL Capable - 2-Wire xDSL Loop Zone 3	BP4X+, RP4X+, NS4X+	2SLDX	3
14	NV	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop Zone 1	BP5X+, RP5X+, NS5X+	U2F	1
14	NV	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop Zone 2	BP5X+, RP5X+, NS5X+	U2F	2
14	NV	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop Zone 3	BP5X+, RP5X+, NS5X+	U2F	3
14	NV	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop Zone 1	BP7X+, RP7X+, NS7X+	2SLFX	1
14	NV	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop Zone 2	BP7X+, RP7X+, NS7X+	2SLFX	2
14	NV	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop Zone 3	BP7X+, RP7X+, NS7X+	2SLFX	3
14	NV	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 -DSL Capable - 4-Wire xDSL Loop Zone 1	BP3B+, RP3B+, NS3B+	4SL1X	1
14	NV	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 -DSL Capable - 4-Wire xDSL Loop Zone 2	BP3B+, RP3B+, NS3B+	4SL1X	2
14	NV	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - DSL Capable - 4-Wire xDSL Loop Zone 3	BP3B+, RP3B+, NS3B+	4SL1X	3
14	NV	LOOP MAKE-UP	Loop Qualification Process (Per Loop) Mechanized - Zone 1	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NR98U	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	NV	LOOP MAKE-UP	Loop Qualification Process (Per Loop) Mechanized - Zone 2	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NR98U	2
14	NV	LOOP MAKE-UP	Loop Qualification Process (Per Loop) Mechanized - Zone 3	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NR98U	3
14	NV	LOOP MAKE-UP	Loop Qualification Process (Per Loop) Manual - Zone 1	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBXU	1
14	NV	LOOP MAKE-UP	Loop Qualification Process (Per Loop) Manual - Zone 2	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBXU	2
14	NV	LOOP MAKE-UP	Loop Qualification Process (Per Loop) Manual - Zone 3	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBXU	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	NV	LOOP MODIFICATION	DSL Conditioning - Removal of Repeaters	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBXV	
14	NV	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Repeater (> than 17.5 Kft. same location/same cable)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBNL	
14	NV	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Repeater (> than 17.5 Kft. same location/different cable)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBNP	
14	NV	LOOP MODIFICATION	DSL Conditioning - Removal of Bridged Taps and Repeaters	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBXH	
14	NV	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Bridged Taps and Repeaters (> than 17.5Kft. Same location/same cable)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBTV	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	NV	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Bridged Taps and Repeaters (> than 17.5K same location/different cable)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBTW	
14	NV	LOOP MODIFICATION	DSL Conditioning - Removal of Bridged Taps	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBXW	
14	NV	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Bridged Tap (> than 17.5 Kft. same location/same cable)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBNK	
14	NV	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Bridged Tap (> than 17.5 Kft. same location/different cable)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBNN	
14	NV	LOOP MODIFICATION	DSL Conditioning - Removal of Bridged Taps and Load Coils	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBXF	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	NV	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Load Coil & Bridge Tap (> than 17.5 Kft. same location/same cable)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBM8	
14	NV	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Load Coil & Bridge Tap (> 17.5Kft. Same location/different cable)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBM9	
14	NV	LOOP MODIFICATION	DSL Conditioning - Removal of Load Coils	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBXZ	
14	NV	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Load Coil (> than 17.5 Kft. same location/same cable)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBNJ	
14	NV	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Load Coil (> than 17.5 Kft. same location/different cable)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	NRBNH	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	NV	LOOP MODIFICATION	Remove all Bridged Tap (RABT) - MMP - Removal of non-excessive bridged tap DSL loops >0Kft. And <17.5Kft.		NRMRJ	
14	NV	LOOP MODIFICATION	Remove all Bridged Tap (RABT) - MMP - Removal of All Bridged Tap DSL Loops 12Kft. To 17.5Kft.		NRMRP	
14	NV	LOOP MODIFICATION	Remove all Bridged Tap (RABT) - MMP - Removal of non-excessive bridged tap DSL loops >17.5Kft DSL Loops - per element incremental		NRMRS	
14	NV	LOOP MODIFICATION	Remove all Bridged Tap (RABT) - MMP -		NRMRM	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Network Interface Device - NID Crossconnect			
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects to Collocation Cage - Analog 2-wire	BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	CCDSO	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects to Collocation Cage - Analog 2-wire	BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	AEE1S	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects to Collocation Cage - Analog 4-wire		C2CB4	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects to Collocation Cage - Digital 2-wire	B1L++, R1L++, LK1, L56++, L2DC	UCX92	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects to Collocation Cage - Digital 4-wire	BDL++	CDS1U	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects to Collocation Cage - 2 Wire ADSL Shielded Cross connect to Collocation	BP7X+, RP7X+, NS7X+, BP5X+, RP5X+, NS5X+, BP4X+. RP4X+, NS4X+, BP3A+, RP3A+, NS3A+, BP2X+, RP2X+, NS2X+, BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+	UXRRX	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects to Collocation Cage - 2-Wire DSL Non-Shielded Cross Connect to Collocation	BP7X+, RP7X+, NS7X+, BP5X+, RP5X+, NS5X+, BP4X+. RP4X+, NS4X+, BP3A+, RP3A+, NS3A+, BP2X+, RP2X+, NS2X+, BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+	UCX92	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects to Collocation Cage - 4-Wire DSL Non-Shielded Cross Connect to Collocation	BP3B+, RP3B+, NS3B+	UCX94	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects to Collocation Cage - DS3 C.O. Cross Connect to Collocation	ULUC+	CDS3U	
14	NV	LOOP MODIFICATION	LST performed on CODSLAM Loop	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	URCLD	
13MR-SL	NV	SUB-LOOPS	LST performed on Sub Loop	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X, BP3A+, RP3A+, NS3A+, BP3B+, RP3B+, NS3B+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	URCLB	
13MR-SL	NV	SUB-LOOPS	ECS to SAI/FDI Subloop Charge 2-Wire Analog Zone 1		U6LSA	1
13MR-SL	NV	SUB-LOOPS	ECS to SAI/FDI Subloop Charge 2-Wire Analog Zone 2		U6LSA	2
13MR-SL	NV	SUB-LOOPS	ECS to SAI/FDI Subloop Charge 2-Wire Analog Zone 3		U6LSA	3
13MR-SL	NV	SUB-LOOPS	ECS to Term Subloop Charge 2-Wire Analog Zone 1		U6LSB	1
13MR-SL	NV	SUB-LOOPS	ECS to Term Subloop Charge 2-Wire Analog Zone 2		U6LSB	2
13MR-SL	NV	SUB-LOOPS	ECS to Term Subloop Charge 2-Wire Analog Zone 3		U6LSB	3
13MR-SL	NV	SUB-LOOPS	ECS to NID Subloop Charge 2-Wire Analog Zone 1		U6LSC	1
13MR-SL	NV	SUB-LOOPS	ECS to NID Subloop Charge 2-Wire Analog Zone 2		U6LSC	2
13MR-SL	NV	SUB-LOOPS	ECS to NID Subloop Charge 2-Wire-Analog Zone 3		U6LSC	3
13MR-SL	NV	SUB-LOOPS	SAI/FDI to Term Subloop Charge 2-Wire Analog Zone 1		U6LSS	1
13MR-SL	NV	SUB-LOOPS	SAI/FDI to Term Subloop Charge 2-WireAnalog Zone 2		U6LSS	2
13MR-SL	NV	SUB-LOOPS	SAI/FDI to Term Subloop Charge 2-Wire Analog Zone 3		U6LSS	3
13MR-SL	NV	SUB-LOOPS	SAI/FDI to NID Subloop Charge 2-Wire Analog Zone 1		U6LST	1
13MR-SL	NV	SUB-LOOPS	SAI/FDI to NID Subloop Charge 2-Wire Analog Zone 2		U6LST	2
13MR-SL	NV	SUB-LOOPS	SAI/FDI to NID Subloop Charge 2-Wire Analog Zone 3		U6LST	3
13MR-SL	NV	SUB-LOOPS	Term to NID Subloop Charge 2-Wire Analog Zone 1		U6LSU	1
13MR-SL	NV	SUB-LOOPS	Term to NID Subloop Charge 2-Wire Analog Zone 2		U6LSU	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	NV	SUB-LOOPS	Term to NID Subloop Charge 2-Wire Analog Zone 3		U6LSU	3
13MR-SL	NV	SUB-LOOPS	ECS to SAI/FDI Subloop Charge 4-Wire Analog Zone 1		U6LSA	1
13MR-SL	NV	SUB-LOOPS	ECS to SAI/FDI Subloop Charge 4-Wire Analog Zone 2		U6LSA	2
13MR-SL	NV	SUB-LOOPS	ECS to SAI/FDI Subloop Charge 4-Wire Analog Zone 3		U6LSA	3
13MR-SL	NV	SUB-LOOPS	ECS to Term Subloop Charge 4-Wire Analog Zone 1		U6LSB	1
13MR-SL	NV	SUB-LOOPS	ECS to Term Subloop Charge 4-Wire Analog Zone 2		U6LSB	2
13MR-SL	NV	SUB-LOOPS	ECS to Term Subloop Charge 4-Wire Analog Zone 3		U6LSB	3
13MR-SL	NV	SUB-LOOPS	ECS to NID Subloop Charge 4-Wire Analog Zone 1		U6LSC	1
13MR-SL	NV	SUB-LOOPS	ECS to NID Subloop Charge 4-Wire Analog Zone 2		U6LSC	2
13MR-SL	NV	SUB-LOOPS	ECS to NID Subloop Charge 4-Wire Analog Zone 3		U6LSC	3
13MR-SL	NV	SUB-LOOPS	SAI/FDI to Term Subloop Charge 4-Wire Analog Zone 1		U6LSS	1
13MR-SL	NV	SUB-LOOPS	SAI/FDI to Term Subloop Charge 4-Wire Analog Zone 2		U6LSS	2
13MR-SL	NV	SUB-LOOPS	SAI/FDI to Term Subloop Charge 4-Wire Analog Zone 3		U6LSS	3
13MR-SL	NV	SUB-LOOPS	SAI/FDI to NID Subloop Charge 4-Wire Analog Zone 1		U6LST	1
13MR-SL	NV	SUB-LOOPS	SAI/FDI to NID Subloop Charge 4-Wire Analog Zone 2		U6LST	2
13MR-SL	NV	SUB-LOOPS	SAI/FDI to NID Subloop Charge 4-Wire Analog Zone 3		U6LST	3
13MR-SL	NV	SUB-LOOPS	Term to NID Subloop Charge 4-Wire Analog Zone 1		U6LSU	1
13MR-SL	NV	SUB-LOOPS	Term to NID Subloop Charge 4-Wire Analog Zone 2		U6LSU	2
13MR-SL	NV	SUB-LOOPS	Term to NID Subloop Charge 4-Wire Analog Zone 3		U6LSU	3
13MR-SL	NV	SUB-LOOPS	ECS to SAI/FDI Subloop Charge-2-Wire DSL Zone 1		U6LSA	1
13MR-SL	NV	SUB-LOOPS	ECS to SAI/FDI Subloop Charge 2-Wire DSL Zone 2		U6LSA	2
13MR-SL	NV	SUB-LOOPS	ECS to SAI/FDI Subloop Charge 2-Wire DSL Zone 3		U6LSA	3
13MR-SL	NV	SUB-LOOPS	ECS to Term Subloop Charge 2-Wire DSL Zone 1		U6LSB	1
13MR-SL	NV	SUB-LOOPS	ECS to Term Subloop Charge 2-Wire DSL Zone 2		U6LSB	2
13MR-SL	NV	SUB-LOOPS	ECS to Term Subloop Charge-2-Wire DSL Zone 3		U6LSB	3
13MR-SL	NV	SUB-LOOPS	ECS to NID Subloop Charge-2-Wire DSL Zone 1		U6LSC	1
13MR-SL	NV	SUB-LOOPS	ECS to NID Subloop Charge-2-Wire DSL Zone 2		U6LSC	2
13MR-SL	NV	SUB-LOOPS	ECS to NID Subloop Charge 2-Wire DSL Zone 3		U6LSC	3
13MR-SL	NV	SUB-LOOPS	SAI/FDI to Term Subloop Charge 2-Wire DSL Zone 1		U6LSS	1
13MR-SL	NV	SUB-LOOPS	SAI/FDI to Term Subloop Charge 2-Wire DSL Zone 2		U6LSS	2
13MR-SL	NV	SUB-LOOPS	SAI/FDI to Term Subloop Charge 2-Wire DSL Zone 3		U6LSS	3
13MR-SL	NV	SUB-LOOPS	SAI/FDI to NID Subloop Charge 2-Wire DSL Zone 1		U6LST	1
13MR-SL	NV	SUB-LOOPS	SAI/FDI to NID Subloop Charge-2-Wire DSL Zone 2		U6LST	2
13MR-SL	NV	SUB-LOOPS	SAI/FDI to NID Subloop Charge 2-Wire DSL Zone 3		U6LST	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	NV	SUB-LOOPS	Term to NID Subloop Charge 2-Wire DSL Zone 1		U6LSU	1
13MR-SL	NV	SUB-LOOPS	Term to NID Subloop Charge 2-Wire DSL Zone 2		U6LSU	2
13MR-SL	NV	SUB-LOOPS	Term to NID Subloop Charge 2-Wire DSL Zone 3		U6LSU	3
13MR-SL	NV	SUB-LOOPS	ECS to SAI/FDI Subloop Charge 4-Wire DSL Zone 1		U6LSA	1
13MR-SL	NV	SUB-LOOPS	ECS to SAI/FDI Subloop Charge 4-Wire DSL Zone 2		U6LSA	2
13MR-SL	NV	SUB-LOOPS	ECS to SAI/FDI Subloop Charge 4-Wire DSL Zone 3		U6LSA	3
13MR-SL	NV	SUB-LOOPS	ECS to Term Subloop Charge 4-Wire DSL Zone 1		U6LSB	1
13MR-SL	NV	SUB-LOOPS	ECS to Term Subloop Charge 4-Wire DSL Zone 2		U6LSB	2
13MR-SL	NV	SUB-LOOPS	ECS to Term Subloop Charge 4-Wire DSL Zone 3		U6LSB	3
13MR-SL	NV	SUB-LOOPS	ECS to NID Subloop Charge 4-Wire DSL Zone 1		U6LSC	1
13MR-SL	NV	SUB-LOOPS	ECS to NID Subloop Charge 4-Wire DSL Zone 2		U6LSC	2
13MR-SL	NV	SUB-LOOPS	ECS to NID Subloop Charge 4-Wire DSL Zone 3		U6LSC	3
13MR-SL	NV	SUB-LOOPS	SAI/FDI to Term Subloop Charge 4-Wire DSL Zone 1		U6LSS	1
13MR-SL	NV	SUB-LOOPS	SAI/FDI to Term Subloop Charge 4-Wire DSL Zone 2		U6LSS	2
13MR-SL	NV	SUB-LOOPS	SAI/FDI to Term Subloop Charge 4-Wire DSL Zone 3		U6LSS	3
13MR-SL	NV	SUB-LOOPS	SAI/FDI to NID Subloop Charge 4-Wire DSL Zone 1		U6LST	1
13MR-SL	NV	SUB-LOOPS	SAI/FDI to NID Subloop Charge 4-Wire DSL Zone 2		U6LST	2
13MR-SL	NV	SUB-LOOPS	SAI/FDI to NID Subloop Charge 4-Wire DSL Zone 3		U6LST	3
13MR-SL	NV	SUB-LOOPS	Term to NID Subloop Charge 4-Wire DSL Zone 1		U6LSU	1
13MR-SL	NV	SUB-LOOPS	Term to NID Subloop Charge 4-Wire DSL Zone 2		U6LSU	2
13MR-SL	NV	SUB-LOOPS	Term to NID Subloop Charge 4-Wire DSL Zone 3		U6LSU	3
13MR-SL	NV	SUB-LOOPS	Subloop Cross Connect 2-Wire Analog Non-Central Office Originating		UCSC6	
13MR-SL	NV	SUB-LOOPS	Subloop Cross Connect 4-Wire Analog Non-Central Office Originating		UCNC6	
13MR-SL	NV	SUB-LOOPS	Subloop Cross Connect 2-Wire DSL Non-Central Office Originating		UCSC6	
13MR-SL	NV	SUB-LOOPS	Subloop Cross Connect 4-Wire DSL Non-Central Office Originating		UCNC6	
13MR-SL	NV	SUB-LOOPS	Subloop Cross Connect 2-Wire Digital (ISDN) Non-Central Office Originating		UCSC6	
13MR-SL	NV	SUB-LOOPS	Subloop Cross Connect DS1 Non-Central Office Originating		UCNC6	
13MR-SL	NV	SUB-LOOPS	Subloop Cross Connect DS3 Non-Central Office Originating		UCNC6	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Analog Loop to POA - 2-Wire - Method 1	BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	UXRA1	1
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Analog Loop to POA - 2-Wire - Method 2	BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	UXRA2	2
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Analog Loop to POA - 2-Wire - Method 3	BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++	UXRA5	3
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Analog Loop to POA - 4-Wire - Method 1		UXRB1	1
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Analog Loop to POA - 4-Wire - Method 2		UXRB2	2
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Analog Loop to POA - 4-Wire - Method 3		UXRB5	3
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Digital Loop to POA - 2-Wire - Method 1	B1L++, R1L++, LK1, L56++, L2DC	UXRA1	1
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Digital Loop to POA - 2-Wire - Method 2	B1L++, R1L++, LK1, L56++, L2DC	UXRA2	2
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Digital Loop to POA - 2-Wire - Method 3	B1L++, R1L++, LK1, L56++, L2DC	UXRA5	3
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Digital Loop to POA - 4-Wire - Method 1	BDL++	UXRB1	1
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Digital Loop to POA - 4-Wire - Method 2	BDL++	UXRB2	2
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Point of Access (POA) - Digital Loop to POA - 4-Wire - Method 3	BDL++	UXRB5	3
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport - DS1 Interoffice Transport - Statewide - Fixed (per termination)	CT1++, EE7M+	1L5UB	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport - DS1 Interoffice Transport - Statewide - Variable (per mile)	CT3++, EE7P+, EE7Q+	1L5UB	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport - DS3 Interoffice Transport - Statewide - Fixed (per termination)	CT1++, EE7M+	1L5UB	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport - DS3 Interoffice Transport - Statewide - Variable (per mile)	CT3++, EE7P+, EE7Q+	1L5UB	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connect - DS1 to Collocation			
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connect - DS3 to Collocation			
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - DS1 / Voice Grade	CT1++, EE7M+	MQ1UB	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - DS3 / DS1	CT3++, EE7P+, EE7Q+	MQ3UB	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Connect - 2-Wire Basic - Initial (Manual/Fax - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++	HOXO8	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Connect - 2-Wire Basic - Initial (CESAR/LEX - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++	XOXO8	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Connect - 2-Wire Basic - Initial (Mechanized)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++	MOXO8	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Connect - 2-Wire ASSURED - Initial (Manual/Fax - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++	HOX12	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Connect - 2-Wire ASSURED - Initial (CESAR/LEX - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++	XOX12	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Connect - 2-Wire ASSURED - Initial (Mechanized)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++	MOX12	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Connect - 4-Wire Basic - Initial (Manual/Fax - Simple)	LK4WA	HOX55	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Connect - 4-Wire Basic - Initial (CESAR/LEX - Simple)	LK4WA	XOX55	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Connect - 4-Wire Basic - Initial (Mechanized)	LK4WA		
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Disconnect - 2-Wire Basic - Initial (Manual/Fax - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++	HOX10	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Disconnect - 2-Wire Basic - Initial (CESAR/LEX - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++	XOX10	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Disconnect - 2-Wire Basic - Initial (Mechanized)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++	MOX10	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Disconnect - 2-Wire ASSURED - Initial (Manual/Fax - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++	HOX14	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Disconnect - 2-Wire ASSURED - Initial (CESAR/LEX - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++	XOX14	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Disconnect - 2-Wire ASSURED - Initial (Mechanized)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++	MOX14	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Disconnect - 4-Wire Basic - Initial (Manual/Fax - Simple)	LK4WA	HOX56	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Disconnect - 4-Wire Basic - Initial (CESAR/LEX - Simple)	LK4WA	XOX56	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Disconnect - 4-Wire Basic - Initial (Mechanized)	LK4WA		
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Change - 2-Wire Basic - Initial (Manual/Fax - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++	HOX69	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Change - 2-Wire Basic - Initial (CESAR/LEX - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++	XOX69	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Change - 2-Wire Basic - Initial (Mechanized)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++	MOX69	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Change - 2-Wire ASSURED - Initial (Manual/Fax - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++	HOX13	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Change - 2-Wire ASSURED - Initial (CESAR/LEX - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++	XOX13	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Change - 2-Wire ASSURED - Initial (Mechanized)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++	MOX13	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Change - 4-Wire Basic - Initial (Manual/Fax - Simple)	LK4WA	HOX57	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Change - 4-Wire Basic - Initial (CESAR/LEX - Simple)	LK4WA	XOX57	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Change - 4-Wire Basic - Initial (Mechanized)	LK4WA		
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Record - 2-Wire Basic - Initial (Manual/Fax - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++	HOCH2	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Record - 2-Wire Basic - Initial (CESAR/LEX - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++	SOCH2	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Record - 2-Wire Basic - Initial (Mechanized)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++		
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Record - 2-Wire ASSURED - Initial (Manual/Fax - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++	HOCH2	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Record - 2-Wire ASSURED - Initial (CESAR/LEX - Simple)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++	SOCH2	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Record - 2-Wire ASSURED - Initial (Mechanized)	EE7T+, EE7U+, BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L1X++, LK2CA, L2X++, L32++, L33++, L36++, LPX++, LTX++		
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Record - 4-Wire Basic - Initial (Manual/Fax - Simple)	LK4WA	HOCH7	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Record - 4-Wire Basic - Initial (CESAR/LEX - Simple)	LK4WA	SOCH7	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Order/Channel Loops Record - 4-Wire Basic - Initial (Mechanized)	LK4WA		

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Connect - 2-Wire Digital ISDN/IDSL - Initial (Manual/Fax - Simple)	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++, L2DC	HOX32	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Connect - 2-Wire Digital ISDN/IDSL - Initial (CESAR/LEX - Simple)	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++, L2DC	XOX32	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Connect - 2-Wire Digital ISDN/IDSL - Initial (Mechanized)	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++, L2DC	MOX32	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Connect - 2-Wire xDSL Loop - Initial (Manual/Fax - Simple)	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++, L2DC	HOX32	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Connect - 2-Wire xDSL Loop - Initial (CESAR/LEX - Simple)	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++, L2DC	XOX32	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Connect - 2-Wire xDSL Loop - Initial (Mechanized)	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++, L2DC	MOX32	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Connect - 4-Wire xDSL Loop - Initial (Manual/Fax - Simple)		HOX32	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Connect - 4-Wire xDSL Loop - Initial (CESAR/LEX - Simple)		XOX32	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Connect - 4-Wire xDSL Loop - Initial (Mechanized)		MOX32	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Connect - DS3 Loop - Initial (Manual/Fax - Complex)		HOX32	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Connect - DS3 Loop - Initial (CESAR/LEX - Complex)		XOX32	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Connect - DS3 Loop - Initial (Mechanized)		MOX32	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Disconnect - 2-Wire Digital ISDN/IDSL - Initial (Manual/Fax - Simple)	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++, L2DC	HOX34	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Disconnect - 2-Wire Digital ISDN/IDSL - Initial (CESAR/LEX - Simple)	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++, L2DC	XOX34	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Disconnect - 2-Wire Digital ISDN/IDSL - Initial (Mechanized)	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++, L2DC	MOX34	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Disconnect - 2-Wire xDSL Loop - Initial (Manual/Fax - Simple)	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++, L2DC	HOX34	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Disconnect - 2-Wire xDSL Loop - Initial (CESAR/LEX - Simple)	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++, L2DC	XOX34	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Disconnect - 2-Wire xDSL Loop - Initial (Mechanized)	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++, L2DC	MOX34	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Disconnect - 4-Wire xDSL Loop - Initial (Manual/Fax - Simple)	BP3B+, RP3B+, NS3B+	HOX34	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Disconnect - 4-Wire xDSL Loop - Initial (CESAR/LEX - Simple)	BP3B+, RP3B+, NS3B+	XOX34	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Disconnect - 4-Wire xDSL Loop - Initial (Mechanized)	BP3B+, RP3B+, NS3B+	MOX34	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Disconnect - DS3 Loop - Initial (Manual/Fax - Complex)	ULUC+, EE7P+, EE7Q+	HOX34	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Disconnect - DS3 Loop - Initial (CESAR/LEX - Complex)	ULUC+, EE7P+, EE7Q+	XOX34	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Disconnect - DS3 Loop - Initial (Mechanized)	ULUC+, EE7P+, EE7Q+	MOX34	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Change - 2-Wire Digital ISDN/IDSL - Initial (Manual/Fax - Simple)	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++, L2DC	HOX33	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Change - 2-Wire Digital ISDN/IDSL - Initial (CESAR/LEX - Simple)	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++, L2DC	XOX33	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Change - 2-Wire Digital ISDN/IDSL - Initial (Mechanized)	EE9E+, EE9F+, B1L++, R1L++, LK1, L56++, L2DC		
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Change - 2-Wire xDSL Loop - Initial (Manual/Fax - Simple)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	HOX33	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Change - 2-Wire xDSL Loop - Initial (CESAR/LEX - Simple)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	XOX33	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Change - 2-Wire xDSL Loop - Initial (Mechanized)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+		

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Change - 4-Wire xDSL Loop - Initial (Manual/Fax - Simple)	BP3B+, RP3B+, NS3B+	HOX33	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Change - 4-Wire xDSL Loop - Initial (CESAR/LEX - Simple)	BP3B+, RP3B+, NS3B+	XOX33	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Change - 4-Wire xDSL Loop - Initial (Mechanized)	BP3B+, RP3B+, NS3B+		
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Change - DS3 Loop - Initial (Manual/Fax - Complex)	ULUC+, EE7P+, EE7Q+	HOX33	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Change - DS3 Loop - Initial (CESAR/LEX - Complex)	ULUC+, EE7P+, EE7Q+	XOX33	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Change - DS3 Loop - Initial (Mechanized)	ULUC+, EE7P+, EE7Q+		
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Record - 2-Wire Digital ISDN/IDSL - Initial (Manual/Fax - Simple)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	HOCH2	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Record - 2-Wire Digital ISDN/IDSL - Initial (CESAR/LEX - Simple)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	SOCH2	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Record - 2-Wire Digital ISDN/IDSL - Initial (Mechanized)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+		
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Record - 2-Wire xDSL Loop - Initial (Manual/Fax - Simple)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	HOCH2	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Record - 2-Wire xDSL Loop - Initial (CESAR/LEX - Simple)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	SOCH2	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Record - 2-Wire xDSL Loop - Initial (Mechanized)	BP1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+		
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Record - 4-Wire xDSL Loop - Initial (Manual/Fax - Simple)	BP3B+, RP3B+, NS3B+	HOCH2	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Record - 4-Wire xDSL Loop - Initial (CESAR/LEX - Simple)	BP3B+, RP3B+, NS3B+	SOCH2	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Record - 4-Wire xDSL Loop - Initial (Mechanized)	BP3B+, RP3B+, NS3B+		
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Record - DS3 Loop - Initial (Manual/Fax - Complex)	ULUC+, EE7P+, EE7Q+	HOCH7	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Record - DS3 Loop - Initial (CESAR/LEX - Complex)	ULUC+, EE7P+, EE7Q+	SOCH7	
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Capable Loops - Record - DS3 Loop - Initial (Mechanized)	ULUC+, EE7P+, EE7Q+		
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Connect - NID to NID Crossconnect - Simple (Manual/Fax)		HSNID	
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Connect - NID to NID Crossconnect - Simple (CESAR/LEX)		PSNID	
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Connect - NID to NID Crossconnect - Simple (Mechanized)			
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Connect - NID to NID Crossconnect - Complex Inital (Manual/Fax)		HCNID	
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Connect - NID to NID Crossconnect - Complex Inital (CESAR/LEX)		PCNID	
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Connect - NID to NID Crossconnect - Complex Inital (Mechanized)			

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Disconnect - NID to NID Crossconnect - Simple (Manual/Fax)			
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Disconnect - NID to NID Crossconnect - Simple (CESAR/LEX)			
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Disconnect - NID to NID Crossconnect - Simple (Mechanized)			
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Disconnect - NID to NID Crossconnect - Complex Inital (Manual/Fax)			
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Disconnect - NID to NID Crossconnect - Complex Inital (CESAR/LEX)			
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Disconnect - NID to NID Crossconnect - Complex Inital (Mechanized)			
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Change - NID to NID Crossconnect - Simple (Manual/Fax)			
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Change - NID to NID Crossconnect - Simple (CESAR/LEX)			
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Change - NID to NID Crossconnect - Simple (Mechanized)			
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Change - NID to NID Crossconnect - Complex Inital (Manual/Fax)			
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Change - NID to NID Crossconnect - Complex Inital (CESAR/LEX)			
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Change - NID to NID Crossconnect - Complex Inital (Mechanized)			
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Record - NID to NID Crossconnect - Simple (Manual/Fax)			
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Record - NID to NID Crossconnect - Simple (CESAR/LEX)			
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Record - NID to NID Crossconnect - Simple (Mechanized)			
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Record - NID to NID Crossconnect - Complex Inital (Manual/Fax)			
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Record - NID to NID Crossconnect - Complex Inital (CESAR/LEX)			
13MR-SL	NV	SUB-LOOPS	Network Interface Device - Record - NID to NID Crossconnect - Complex Inital (Mechanized)			

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NV	UNBUNDLED DEDICATED TRANSPORT	Analog/Digital 2-Wire - Initial (CESAR/LEX - Simple)	BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++, B1L++, R1L++, LK1, L56++, L2DCB, P1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	XOX15	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Analog/Digital 2-Wire - Initial (CESAR/LEX - Simple)	BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++, B1L++, R1L++, LK1, L56++, L2DCB, P1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	HOX15	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Analog/Digital 2-Wire - Initial (Mechanized)	BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++, B1L++, R1L++, LK1, L56++, L2DCB, P1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	MOX15	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Analog/Digital 4-Wire - Initial (CESAR/LEX - Simple)	LK4WA, BDL++	CDS1S	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NV	UNBUNDLED DEDICATED TRANSPORT	Analog/Digital 4-Wire - Initial (CESAR/LEX - Simple)	LK4WA, BDL++	HOX82	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Analog/Digital 4-Wire - Initial (Mechanized)	LK4WA, BDL++	MOX82	
13	NV	UNBUNDLED DEDICATED TRANSPORT	DS3 to Collocation - Initial (CESAR/LEX - Simple)	ULUC+	CDS3S	
13	NV	UNBUNDLED DEDICATED TRANSPORT	DS3 to Collocation - Initial (CESAR/LEX - Simple)	ULUC+	HOX82	
13	NV	UNBUNDLED DEDICATED TRANSPORT	DS3 to Collocation - Initial (Mechanized)	ULUC+	MOX82	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - Analog/Digital 2-Wire - Initial (CESAR/LEX - Simple)	BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++, B1L++, R1L++, LK1, L56++, L2DCB, P1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	XOX18	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - Analog/Digital 2-Wire - Initial (CESAR/LEX - Simple)	BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++, B1L++, R1L++, LK1, L56++, L2DCB, P1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	HOX18	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - Analog/Digital 2-Wire - Initial (Mechanized)	BCL++, RCL++,L3X++, L4X++, L5X++, L6X++, L7X++, L8X++, L9X++, LAX++, LBX++, LCX++, LWX++, L2X++, L32++, L33++, L36++, LPX++, LTX++, B1L++, R1L++, LK1, L56++, L2DCB, P1A+, RP1A+, NS1A+, BP1B+, RP1B+, NS1B+, BP2X+, RP2X+, NS2X+, BP3A+, RP3A+, NS3A+, BP4X+, RP4X+, NS4X+, BP5X+, RP5X+, NS5X+, BP7X+, RP7X+, NS7X+	MOX18	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - Analog/Digital 4-Wire - Initial (CESAR/LEX - Simple)	LK4WA, BDL++	CDS1D	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - Analog/Digital 4-Wire - Initial (CESAR/LEX - Simple)	LK4WA, BDL++	HOX96	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - Analog/Digital 4-Wire - Initial (Mechanized)	LK4WA, BDL++	MOX96	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - DS3 to Collocation - Initial (CESAR/LEX - Simple)	ULUC+	CDS3D	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - DS3 to Collocation - Initial (CESAR/LEX - Simple)	ULUC+	HOX96	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Disconnect - DS3 to Collocation - Initial (Mechanized)	ULUC+	MOX96	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Change - Analog/Digital 2-Wire - Initial (CESAR/LEX - Simple)			
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Change - Analog/Digital 2-Wire - Initial (Mechanized)			
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Change - Analog/Digital 4-Wire - Initial (CESAR/LEX - Simple)			
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Change - Analog/Digital 4-Wire - Initial (Mechanized)			
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Change - DS3 to Collocation - Initial (CESAR/LEX - Simple)			
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Change - DS3 to Collocation - Initial (Mechanized)			

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Record - Analog/Digital 2-Wire - Initial (CESAR/LEX - Simple)			
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Record - Analog/Digital 2-Wire - Initial (Mechanized)			
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Record - Analog/Digital 4-Wire - Initial (CESAR/LEX - Simple)			
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Record - Analog/Digital 4-Wire - Initial (Mechanized)			
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Record - DS3 to Collocation - Initial (CESAR/LEX - Simple)			
13	NV	UNBUNDLED DEDICATED TRANSPORT	Cross Connects to Collocation Cage - Record - D366DS3 to Collocation - Initial (Mechanized)			
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Connect - DS1/DS0 (CESAR/LEX - Simple)	CT1++, EE7M+	MQ1UC	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Connect - DS1/DS0 (CESAR/LEX - Simple)	CT1++, EE7M+	HOX91	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Connect - DS1/DS0 (Mechanized)	CT1++, EE7M+		
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Connect - DS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+	MQ3UC	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Connect - DS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+	HOX91	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Connect - DS3/DS1 (Mechanized)	CT3++, EE7P+, EE7Q+		
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX - Simple)	CT1++, EE7M+	MQ1UD	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Disconnect - DS1/DS0 (CESAR/LEX - Simple)	CT1++, EE7M+	HOX99	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Disconnect - DS1/DS0 (Mechanized)	CT1++, EE7M+		
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Disconnect - DS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+	MQ3UD	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Disconnect - DS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+	HOX99	
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Disconnect - DS3/DS1 (Mechanized)	CT3++, EE7P+, EE7Q+		
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Change - DS1/DS0 (CESAR/LEX - Simple)	CT1++, EE7M+		
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Change - DS1/DS0 (Mechanized)	CT1++, EE7M+		
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Change - DS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+		

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Change - DS3/DS1 (Mechanized)	CT3++, EE7P+, EE7Q+		
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Record - DS1/DS0 (CESAR/LEX - Simple)	CT1++, EE7M+		
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Record - DS1/DS0 (Mechanized)	CT1++, EE7M+		
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Record - DS3/DS1 (CESAR/LEX - Simple)	CT3++, EE7P+, EE7Q+		
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - Record - DS3/DS1 (Mechanized)	CT3++, EE7P+, EE7Q+		
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber -Interoffice per strand Zone 1	ULC++	ULY4X	1
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber -Interoffice per strand Zone 2	ULC++	ULY4X	2
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber -Interoffice per strand Zone 3	ULC++		3
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per foot Zone 1	ULC++	ULJAA	1
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per foot Zone 1	ULC++	ULJAB	1
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per foot Zone 2	ULC++	ULJAA	2
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per foot Zone 2	ULC++	ULJAB	2
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per foot Zone 3	ULC++		3
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Cross Connect - Interoffice Zone 1	ULC++	UKCJX	1
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Cross Connect - Interoffice Zone 2	ULC++	UKCJX	2
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Cross Connect - Interoffice Zone 3	ULC++		3
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Cross Connect - Loop Zone 1	ULC++	UKCHX	1
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Cross Connect - Loop Zone 2	ULC++	UKCHX	2
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Cross Connect - Loop Zone 3	ULC++		3
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice Inquiry Zone 1	ULC++	NR9D6	1
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice Inquiry Zone 2	ULC++	NR9D6	2
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice Inquiry Zone 3			3
13	NV	UNBUNDLED EXCHANGE ACCESS LOOP	Routine Modifications of Existing Facilities Change	EE7T+, EE7U+, EE71+, EE72+, EE73+, EE75+, EE76+, EE77+, EE78+, EE79+, EE7X+, EE7Y+, EE7Z+, EE74+, EE9E+, EE9F+, BDL++, EE7M+, ULUC+, EE7P+, EE7Q+, CT1++, EE7M+, CT3++, EE7P+, EE7Q+	N3RUE	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Metro (Access Area B)	MUJ++, UOB++, UOR++, EE7JX	U2HXB	B
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Suburban (Access Area C)	MUJ++, UOB++, UOR++, EE7JX	U2HXC	C
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Rural (Access Area D)	MUJ++, UOB++, UOR++, EE7JX	U2HXD	D
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, Analog - Metro (Access Area B)	MUJ++, UOB++, UOR++, EE7JX	U2JXB	B
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, Analog - Suburban (Access Area C)	MUJ++, UOB++, UOR++, EE7JX	U2JXC	C
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, Analog - Rural (Access Area D)	MUJ++, UOB++, UOR++, EE7JX	U2JXD	D
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, DID Business - Metro (Access Area B)	MUJ++, UOB++, UOR++, EE7JX	U2WXB	B
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, DID Business - Suburban (Access Area C)	MUJ++, UOB++, UOR++, EE7JX	U2WXC	C
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, DID Business - Rural (Access Area D)	MUJ++, UOB++, UOR++, EE7JX	U2WXD	D
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin - Metro (Access Area B)	MUJ++, UOB++, UOR++, EE7JX	U2CXB	B
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin - Suburban (Access Area C)	MUJ++, UOB++, UOR++, EE7JX	U2CXC	C
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin - Rural (Access Area D)	MUJ++, UOB++, UOR++, EE7JX	U2CXD	D
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Metro (Access Area B)	MUJ++, UOB++, UOR++, EE7JX	U2KXB	B
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Suburban (Access Area C)	MUJ++, UOB++, UOR++, EE7JX	U2KXC	C
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Rural (Access Area D)	MUJ++, UOB++, UOR++, EE7JX	U2KXD	D
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Metro (Access Area B)	MUJ++, UOB++, UOR++, EE7KX	U4HXB	B
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Suburban (Access Area C)	MUJ++, UOB++, UOR++, EE7KX	U4HXC	C
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Rural (Access Area D)	MUJ++, UOB++, UOR++, EE7LX	U4HXD	D
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital - Metro (Access Area B)	MUJ++, UOB++, UOR++, EE7LX	U2QXB	B
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital - Suburban (Access Area C)	MUJ++, UOB++, UOR++, EE7LX	U2QXC	C
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital - Rural (Access Area D)	MUJ++, UOB++, UOR++, EE7MX	U2QXD	D
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 - Metro (Access Area B)	MUJ++, UOB++, UOR++, EE7MX	4U1XB	B
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 - Suburban (Access Area C)	MUJ++, UOB++, UOR++, EE7MX	4U1XC	C
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 - Rural (Access Area D)	MUJ++, UOB++, UOR++, EE7MX	4U1XD	D
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 - Metro (Access Area B)	MUJ++, UOB++, UOR++, EE7MX	U4D3A	B
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 - Suburban (Access Area C)	MUJ++, UOB++, UOR++, EE7MX	U4D3B	C

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 - Rural (Access Area D)	MUJ++, UOB++, UOR++, EE7MX	U4D3C	D
14	OH	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop Access Area B- Metro	MUJ++, UOB++, UOR++	2SLA1	B
14	OH	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop Access Area C- Suburban	MUJ++, UOB++, UOR++	2SLA2	C
14	OH	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop Access Area D- Rural	MUJ++, UOB++, UOR++	2SLA3	D
14	OH	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop Access Area B- Metro	MUJ++, UOB++, UOR++	2SLC1	B
14	OH	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop Access Area C- Suburban	MUJ++, UOB++, UOR++	2SLC2	C
14	OH	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop Access Area D- Rural	MUJ++, UOB++, UOR++	2SLC3	D
14	OH	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop Access Area B- Metro	MUJ++, UOB++, UOR++	2SLB1	B
14	OH	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop Access Area C- Suburban	MUJ++, UOB++, UOR++	2SLB2	C
14	OH	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop Access Area D- Rural	MUJ++, UOB++, UOR++	2SLB3	D
14	OH	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop Access Area B- Metro	MUJ++, UOB++, UOR++	2SLD1	B
14	OH	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop Access Area C- Suburban	MUJ++, UOB++, UOR++	2SLD2	C
14	OH	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop Access Area D- Rural	MUJ++, UOB++, UOR++	2SLD3	D
14	OH	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop Access Area B- Metro	MUJ++, UOB++, UOR++	UWRA1	B
14	OH	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop Access Area C- Suburban	MUJ++, UOB++, UOR++	UWRA2	C
14	OH	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop Access Area D- Rural	MUJ++, UOB++, UOR++	UWRA3	D
14	OH	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop Access Area B- Metro	MUJ++, UOB++, UOR++	2SLF1	B
14	OH	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop Access Area C- Suburban	MUJ++, UOB++, UOR++	2SLF2	C
14	OH	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop Access Area D- Rural	MUJ++, UOB++, UOR++	2SLF3	D
14	OH	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop Access Area B- Metro	MUJ++, UOB++, UOR++	4SL11	B
14	OH	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop Access Area C- Suburban	MUJ++, UOB++, UOR++	4SL12	C
14	OH	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop Access Area D- Rural	MUJ++, UOB++, UOR++	4SL13	D
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Loop Access Area B - Metro	MUJ++, UOB++, UOR++	UY5FB	B
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Loop Access Area C - Suburban	MUJ++, UOB++, UOR++	UY5FC	C
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Loop Access Area D - Rural	MUJ++, UOB++, UOR++	UY5FD	D
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Service Ordering - Per Order	MUJ++, UOB++, UOR++, EE7JX, EE7KX, EE7LX, EE7MX	SEPUP	
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	Service Ordering - Add/Change Per Order	MUJ++, UOB++, UOR++, EE7JX, EE7KX, EE7LX, EE7MX	REAH9	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	Line Connection - Per Loop	MUJ++, UOB++, UOR++, EE7JX, EE7KX, EE7LX, EE7MX	SEPUC	
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	Line Connection - Add/Change Per Loop	MUJ++, UOB++, UOR++, EE7JX, EE7KX, EE7LX, EE7MX	REAH5	
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	Loop DS3 - Administrative	MUJ++, UOB++, UOR++, EE7NX	NR9OY	
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	Loop DS3 - Design & Central Office	MUJ++, UOB++, UOR++, EE7NX	NR9O1	
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	Loop DS3 - Customer Connection	MUJ++, UOB++, UOR++, EE7NX	NR9O3	
7	OH	OPERATIONS SUPPORT SYSTEM	Service Coordination fee per account, per CO.	MUJ++, UOB++, UOR++	UFE	
14	OH	UNBUNDLED EXCHANGE ACCESS LOOP	Line & Station Transfer(LST) performed on CODSLAM Loop	MUJ++, UOB++, UOR++	URCLD	
13MR-SL	OH	UNBUNDLED EXCHANGE ACCESS LOOP	Line & Station Transfer(LST) performed on Sub Loop	MUJ++, UOB++, UOR++	URCLB	
14	OH	LOOP MAKE-UP	Loop Qualification Process - Mechanized	MUJ++, UOB++, UOR++	NR98U	
14	OH	LOOP MAKE-UP	Loop Qualification Process - Manual	MUJ++, UOB++, UOR++	NRBXU	
14	OH	LOOP MODIFICATION	DSL Generic Conditioning all PSD's > 0KFT and < 17.5 KFT	MUJ++, UOB++, UOR++	NRMN6	
14	OH	LOOP MODIFICATION	DSL Generic Conditioning all PSD's > 17.5 KFT	MUJ++, UOB++, UOR++	NRMN7	
14	OH	LOOP MODIFICATION	DSL Conditioning Options - >12KFT and < 17.5KFT Removal of Repeater Options	MUJ++, UOB++, UOR++	NRBXV	
14	OH	LOOP MODIFICATION	DSL Conditioning Options - >12KFT and < 17.5KFT Removal Bridged Tap Option	MUJ++, UOB++, UOR++	NRBXW	
14	OH	LOOP MODIFICATION	DSL Conditioning Options - >12KFT and < 17.5KFT Removal of Load Coil	MUJ++, UOB++, UOR++	NRBXZ	
14	OH	LOOP MODIFICATION	DSL Conditioning Options - >17.5KFT in addition to the rates for > 12KFT and < 17.5KFT Removal of Repeater Options	MUJ++, UOB++, UOR++	NRBNL	
14	OH	LOOP MODIFICATION	DSL Conditioning Options - >17.5KFT in addition to the rates for > 12KFT and < 17.5KFT Removal Bridged Tap Option	MUJ++, UOB++, UOR++	NRBNK	
14	OH	LOOP MODIFICATION	DSL Conditioning Options - >17.5KFT in addition to the rates for > 12KFT and < 17.5KFT Removal of Load Coil	MUJ++, UOB++, UOR++	NRBNJ	
14	OH	LOOP MODIFICATION	Remove All or Non-Excessive Bridged Tap (RABT) - MMP Removal of non-excessive bridged tap DSL loops >0Kft. And <17.5Kft.	MUJ++, UOB++, UOR++	NRMRJ	
14	OH	LOOP MODIFICATION	Remove All or Non-Excessive Bridged Tap (RABT) - MMP Removal of All Bridged Tap DSL Loops 12Kft. To 17.5Kft.	MUJ++, UOB++, UOR++	NRMRP	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	OH	LOOP MODIFICATION	Remove All or Non-Excessive Bridged Tap (RABT) - MMP emoval of non-excessive bridged tap DSL loops >17.5Kft DSL Loops - per element incremental	MUJ++, UOB++, UOR++	NRMRS	
14	OH	LOOP MODIFICATION	Remove All or Non-Excessive Bridged Tap (RABT) - MMP Removal of All Bridged Tap DSL loops >17.5Kft. - per element incremental	MUJ++, UOB++, UOR++	NRMRM	
13MR-SL	OH	SUB-LOOPS	ECS to SAI sub-loop 2 Wire Analog - area B	XHG++, XGG++	U7SPA	B
13MR-SL	OH	SUB-LOOPS	ECS to SAI sub-loop 2 Wire Analog - Area C	XHG++, XGG++	U7SPB	C
13MR-SL	OH	SUB-LOOPS	ECS to SAI sub-loop 2 Wire Analog - area D	XHG++, XGG++	U7SPC	D
13MR-SL	OH	SUB-LOOPS	ECS to SAI sub-loop 4 Wire Analog - area B	XHK++,XGK++	U7SPA	B
13MR-SL	OH	SUB-LOOPS	ECS to SAI sub-loop 4 Wire Analog - area C	XHK++,XGK++	U7SPB	C
13MR-SL	OH	SUB-LOOPS	ECS to SAI sub-loop 4 Wire Analog - area D	XHK++,XGK++	U7SPC	D
13MR-SL	OH	SUB-LOOPS	ECS to SAI sub-loop 2 Wire DSL - area B	XHW++, XGW++	U7SPA	B
13MR-SL	OH	SUB-LOOPS	ECS to SAI sub-loop 2 Wire DSL - area C	XHW++, XGW++	U7SPB	C
13MR-SL	OH	SUB-LOOPS	ECS to SAI sub-loop 2 Wire DSL - area D	XHW++, XGW++	U7SPC	D
13MR-SL	OH	SUB-LOOPS	ECS to SAI sub-loop 4 Wire DSL - area B	XHY++, XGY++	U7SPA	B
13MR-SL	OH	SUB-LOOPS	ECS to SAI sub-loop 4 Wire DSL - area C	XHY++, XGY++	U7SPB	C
13MR-SL	OH	SUB-LOOPS	ECS to SAI sub-loop 4 Wire DSL - area D	XHY++, XGY++	U7SPC	D
13MR-SL	OH	SUB-LOOPS	ECS to Terminal sub-loop 2 Wire Analog - area B	XHG++, XGG++	U7SQA	B
13MR-SL	OH	SUB-LOOPS	ECS to Terminal sub-loop 2 Wire Analog - Area C	XHG++, XGG++	U7SQB	C
13MR-SL	OH	SUB-LOOPS	ECS to Terminal sub-loop 2 Wire Analog - area D	XHG++, XGG++	U7SQC	D
13MR-SL	OH	SUB-LOOPS	ECS to Terminal sub-loop 4 Wire Analog - area B	XHK++,XGK++	U7SQA	B
13MR-SL	OH	SUB-LOOPS	ECS to Terminal sub-loop 4 Wire Analog - area C	XHK++,XGK++	U7SQB	C
13MR-SL	OH	SUB-LOOPS	ECS to Terminal sub-loop 4 Wire Analog - area D	XHK++,XGK++	U7SQC	D
13MR-SL	OH	SUB-LOOPS	ECS to Terminal sub-loop 2 Wire DSL - area B	XHW++, XGW++	U7SQA	B
13MR-SL	OH	SUB-LOOPS	ECS to Terminal sub-loop 2 Wire DSL - area C	XHW++, XGW++	U7SQB	C
13MR-SL	OH	SUB-LOOPS	ECS to Terminal sub-loop 2 Wire DSL - area D	XHW++, XGW++	U7SQC	D
13MR-SL	OH	SUB-LOOPS	ECS to Terminal sub-loop 4 Wire DSL - area B	XHY++, XGY++	U7SQA	B
13MR-SL	OH	SUB-LOOPS	ECS to Terminal sub-loop 4 Wire DSL - area C	XHY++, XGY++	U7SQB	C
13MR-SL	OH	SUB-LOOPS	ECS to Terminal sub-loop 4 Wire DSL - area D	XHY++, XGY++	U7SQC	D
13MR-SL	OH	SUB-LOOPS	ECS to NID sub-loop 2 Wire Analog - area B	XHG++, XGG++	U7SRA	B
13MR-SL	OH	SUB-LOOPS	ECS to NID sub-loop 2 Wire Analog - Area C	XHG++, XGG++	U7SRB	C
13MR-SL	OH	SUB-LOOPS	ECS to NID sub-loop 2 Wire Analog - area D	XHG++, XGG++	U7SRC	D

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	OH	SUB-LOOPS	ECS to NID sub-loop 4 Wire Analog - area B	XHK++,XGK++	U7SRA	B
13MR-SL	OH	SUB-LOOPS	ECS to NID sub-loop 4 Wire Analog - area C	XHK++,XGK++	U7SRB	C
13MR-SL	OH	SUB-LOOPS	ECS to NID sub-loop 4 Wire Analog - area D	XHK++,XGK++	U7SRC	D
13MR-SL	OH	SUB-LOOPS	ECS to NID sub-loop 2 Wire DSL - area B	XHW++, XGW++	U7SRA	B
13MR-SL	OH	SUB-LOOPS	ECS to NID sub-loop 2 Wire DSL - area C	XHW++, XGW++	U7SRB	C
13MR-SL	OH	SUB-LOOPS	ECS to NID sub-loop 2 Wire DSL - area D	XHW++, XGW++	U7SRC	D
13MR-SL	OH	SUB-LOOPS	ECS to NID sub-loop 4 Wire DSL - area B	XHY++, XGY++	U7SRA	B
13MR-SL	OH	SUB-LOOPS	ECS to NID sub-loop 4 Wire DSL - area C	XHY++, XGY++	U7SRB	C
13MR-SL	OH	SUB-LOOPS	ECS to NID sub-loop 4 Wire DSL - area D	XHY++, XGY++	U7SRC	D
13MR-SL	OH	SUB-LOOPS	SAI to Terminal sub-loop 2 Wire Analog - area B	XHG++, XGG++	U7SSA	B
13MR-SL	OH	SUB-LOOPS	SAI to Terminal sub-loop 2 Wire Analog - Area C	XHG++, XGG++	U7SSB	C
13MR-SL	OH	SUB-LOOPS	SAI to Terminal sub-loop 2 Wire Analog - area D	XHG++, XGG++	U7SSC	D
13MR-SL	OH	SUB-LOOPS	SAI to Terminal sub-loop 4 Wire Analog - area B	XHK++,XGK++	U7SSA	B
13MR-SL	OH	SUB-LOOPS	SAI to Terminal sub-loop 4 Wire Analog - area C	XHK++,XGK++	U7SSB	C
13MR-SL	OH	SUB-LOOPS	SAI to Terminal sub-loop 4 Wire Analog - area D	XHK++,XGK++	U7SSC	D
13MR-SL	OH	SUB-LOOPS	SAI to Terminal sub-loop 2 Wire DSL - area B	XHW++, XGW++	U7SSA	B
13MR-SL	OH	SUB-LOOPS	SAI to Terminal sub-loop 2 Wire DSL - area C	XHW++, XGW++	U7SSB	C
13MR-SL	OH	SUB-LOOPS	SAI to Terminal sub-loop 2 Wire DSL - area D	XHW++, XGW++	U7SSC	D
13MR-SL	OH	SUB-LOOPS	SAI to Terminal sub-loop 4 Wire DSL - area B	XHY++, XGY++	U7SSA	B
13MR-SL	OH	SUB-LOOPS	SAI to Terminal sub-loop 4 Wire DSL - area C	XHY++, XGY++	U7SSB	C
13MR-SL	OH	SUB-LOOPS	SAI to Terminal sub-loop 4 Wire DSL - area D	XHY++, XGY++	U7SSC	D
13MR-SL	OH	SUB-LOOPS	SAI to NID sub-loop 2 Wire Analog - area B	XHG++, XGG++	U7STA	B
13MR-SL	OH	SUB-LOOPS	SAI to NID sub-loop 2 Wire Analog - area C	XHG++, XGG++	U7STB	C
13MR-SL	OH	SUB-LOOPS	SAI to NID sub-loop 2 Wire Analog - area D	XHG++, XGG++	U7STC	D
13MR-SL	OH	SUB-LOOPS	SAI to NID sub-loop 4 Wire Analog - area B	XHK++,XGK++	U7STA	B
13MR-SL	OH	SUB-LOOPS	SAI to NID sub-loop 4 Wire Analog - area C	XHK++,XGK++	U7STB	C
13MR-SL	OH	SUB-LOOPS	SAI to NID sub-loop 4 Wire Analog - area D	XHK++,XGK++	U7STC	D
13MR-SL	OH	SUB-LOOPS	SAI to NID sub-loop 2 Wire DSL - area B	XHW++, XGW++	U7STA	B
13MR-SL	OH	SUB-LOOPS	SAI to NID sub-loop 2 Wire DSL - area C	XHW++, XGW++	U7STB	C
13MR-SL	OH	SUB-LOOPS	SAI to NID sub-loop 2 Wire DSL - area D	XHW++, XGW++	U7STC	D
13MR-SL	OH	SUB-LOOPS	SAI to NID sub-loop 4 Wire DSL - area B	XHY++, XGY++	U7STA	B
13MR-SL	OH	SUB-LOOPS	SAI to NID sub-loop 4 Wire DSL - area C	XHY++, XGY++	U7STB	C

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	OH	SUB-LOOPS	SAI to NID sub-loop 4 Wire DSL - area D	XHY++, XGY++	U7STC	D
13MR-SL	OH	SUB-LOOPS	Terminal to NID sub-loop 2 Wire Analog - area B	XHG++, XGG++	U7SUA	B
13MR-SL	OH	SUB-LOOPS	Terminal to NID sub-loop 2 Wire Analog - Area C	XHG++, XGG++	U7SUB	C
13MR-SL	OH	SUB-LOOPS	Terminal to NID sub-loop 2 Wire Analog - area D	XHG++, XGG++	U7SUC	D
13MR-SL	OH	SUB-LOOPS	Terminal to NID sub-loop 4 Wire Analog - area B	XHK++,XGK++	U7SUA	B
13MR-SL	OH	SUB-LOOPS	Terminal to NID sub-loop 4 Wire Analog - area C	XHK++,XGK++	U7SUB	C
13MR-SL	OH	SUB-LOOPS	Terminal to NID sub-loop 4 Wire Analog - area D	XHK++,XGK++	U7SUC	D
13MR-SL	OH	SUB-LOOPS	Terminal to NID sub-loop 2 Wire DSL - area B	XHW++, XGW++	U7SUA	B
13MR-SL	OH	SUB-LOOPS	Terminal to NID sub-loop 2 Wire DSL - area C	XHW++, XGW++	U7SUB	C
13MR-SL	OH	SUB-LOOPS	Terminal to NID sub-loop 2 Wire DSL - area D	XHW++, XGW++	U7SUC	D
13MR-SL	OH	SUB-LOOPS	Terminal to NID sub-loop 4 Wire DSL - area B	XHY++, XGY++	U7SUA	B
13MR-SL	OH	SUB-LOOPS	Terminal to NID sub-loop 4 Wire DSL - area C	XHY++, XGY++	U7SUB	C
13MR-SL	OH	SUB-LOOPS	Terminal to NID sub-loop 4 Wire DSL - area D	XHY++, XGY++	U7SUC	D
13MR-SL	OH	SUB-LOOPS	NID sub-loop element 2 Wire Analog - area B	XHG++, XGG++		B
13MR-SL	OH	SUB-LOOPS	NID sub-loop element 2 Wire Analog - Area C	XHG++, XGG++		C
13MR-SL	OH	SUB-LOOPS	NID sub-loop element 2 Wire Analog - area D	XHG++, XGG++		D
13MR-SL	OH	SUB-LOOPS	NID sub-loop element 4 Wire Analog - area B	XHK++,XGK++		B
13MR-SL	OH	SUB-LOOPS	NID sub-loop element 4 Wire Analog - area C	XHK++,XGK++		C
13MR-SL	OH	SUB-LOOPS	NID sub-loop element 4 Wire Analog - area D	XHK++,XGK++		D
13MR-SL	OH	SUB-LOOPS	NID sub-loop element 2 Wire DSL - area B	XHW++, XGW++		B
13MR-SL	OH	SUB-LOOPS	NID sub-loop element 2 Wire DSL - area C	XHW++, XGW++		C
13MR-SL	OH	SUB-LOOPS	NID sub-loop element 2 Wire DSL - area D	XHW++, XGW++		D
13MR-SL	OH	SUB-LOOPS	NID sub-loop element 4 Wire DSL - area B	XHY++, XGY++		B
13MR-SL	OH	SUB-LOOPS	NID sub-loop 4 Wire DSL - area C	XHY++, XGY++		C
13MR-SL	OH	SUB-LOOPS	NID sub-loop 4 Wire DSL - area D	XHY++, XGY++		D
13MR-SL	OH	SUB-LOOPS	NID sub-loop 2 Wire ISDN Compatible - area B	XHQ++, XGQ++		B
13MR-SL	OH	SUB-LOOPS	NID sub-loop 2 Wire ISDN Compatible - area C	XHQ++, XGQ++		C
13MR-SL	OH	SUB-LOOPS	NID sub-loop 2 Wire ISDN Compatible - area D	XHQ++, XGQ++		D
13MR-SL	OH	SUB-LOOPS	NID sub-loop 4 Wire DS1 Compatible - area B	XQ1++		B
13MR-SL	OH	SUB-LOOPS	NID sub-loop 4 Wire DS1 Compatible - area C	XQ1++		C
13MR-SL	OH	SUB-LOOPS	NID sub-loop 4 Wire DS1 Compatible - area D	XQ1++		D
13MR-SL	OH	SUB-LOOPS	Sub-Loop Non-Recurring Charges 2-Wire Analog Sub-Loop	XHG++, XGG++		
13MR-SL	OH	SUB-LOOPS	Sub-Loop Non-Recurring Charges 4-Wire Analog Sub-Loop	XHG++, XGG++		

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	OH	SUB-LOOPS	Sub-Loop Non-Recurring Charges 2-Wire xDSL Digital Sub-Loop	XHW++, XGW++		
13MR-SL	OH	SUB-LOOPS	Sub-Loop Non-Recurring Charges 4-Wire xDSL Digital Sub-Loop	XHY++, XGY++		
13MR-SL	OH	SUB-LOOPS	Sub-Loop Non-Recurring Charges 2-Wire ISDN Digital Sub-Loop	XHQ++, XGQ++		
13MR-SL	OH	SUB-LOOPS	Sub-Loop Non-Recurring Charges 4-Wire DS1 Digital Sub-Loop	XQ1++		
13MR-SL	OH	SUB-LOOPS	Sub-Loop Service Order Charge Establish, per occasion	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++, XQ3++		
13MR-SL	OH	SUB-LOOPS	Sub-Loop Line Connection Charge per occasion	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++, XQ3++		
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects 2-Wire	MUJ++, UOB++, UOR++, EE7JX, EE7LX	CXCT2	
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects 4-Wire	MUJ++, UOB++, UOR++, EE7KX	CXCT4	
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects DS1/LT1	MUJ++, UOB++, UOR++, EE7MX	CXCDX	
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects DS3/LT3	MUJ++, UOB++, UOR++, EE7NX	CXC8X	
13	OH	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects DS3 C.O. Cross-Connect to Collocation	MUJ++, UOB++, UOR++	CXCBX	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X1	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X2	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X3	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS1 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX1	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS1 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX2	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS1 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX3	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W1	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W2	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W3	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB1	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB2	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB3	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX1	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX2	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX3	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS1	UB5++, EE7MX, UK1++	CXCDX	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS3	UB5++, EE7NX, UK3++	CXCEX	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X1	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X2	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X3	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYX1	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYX2	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYX3	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS1 Administration Charge - Per Order	UB5++, EE7MX, UK1++	ORCMX	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS1 Design & Central Office Connection Charge - Per Circuit	UB5++, EE7MX, UK1++	NRBCL	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS1 Carrier Connection Charge - Per Order	UB5++, EE7MX, UK1++	NRBBL	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Administration Charge - Per Order	UB5++, EE7NX, UK3++	ORCMX	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Design & Central Office Connection Charge - Per Circuit	UB5++, EE7NX, UK3++	NRBCL	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Carrier Connection Charge - Per Order	UB5++, EE7NX, UK3++	NRBBL	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Termination (Per Termination per Fiber)		ULYCX	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Mileage (Per Fiber per Foot)		ULNCF	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Cross Connect (Per Termination per Fiber)		UKCJX	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Transport Inquiry (Per Request) - NRC		NR9D6	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Firm Order (Per Fiber Strand) Administrative per Order Connect		NRB51	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Firm Order (Per Fiber Strand) Administrative per Order Disconnect		NR9H2	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Firm Order (Per Fiber Strand) Administrative per Order Connect		NRB52	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Firm Order (Per Fiber Strand) Administrative per Order Disconnect		NR9H3	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Transport - NRC Connect		NRB54	
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Transport - NRC Disconnect		NR9H5	
13	OH	ROUTINE MODIFICATIONS	Routine Modifications of Existing Facilities Charge	MUJ++, UOB++, UOR++, UB5++, EE7MX, EE7NX, UK3++, UK1++	N3RUE	
7	OH	OPERATIONS SUPPORT SYSTEM	Maintenance of Service Charge	MUJ++, UOB++, UOR++, UB5++, EE7JX, EE7KX, EE7LX, EE7MX, EE7NX, UK3++, UK1++	VRP	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	OH	OPERATIONS SUPPORT SYSTEM	Sub-Loops - Maintenance of Service Charge	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++, XQ3++	VRP	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	Disconnect Loop from inside wiring, per NID		NRBND	
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 1 (Rural)		U21	1
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 2 (Suburban)		U21	2
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 3 (Urban)		U21	3
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	Loop - Conditioning for dB loss from 8db to 5db		UL2	
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 1(Rural)		U4H	1
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 2 (Suburban)		U4H	2
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 3 (Urban)		U4H	3
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop - Zone 1(Rural)		U2Q	1
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop - Zone 2 (Suburban)		U2Q	2
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop - Zone 3 (Urban)		U2Q	3
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Zone 1 (Rural)		U4D1X	1
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Zone 2 (Suburban)		U4D1X	2
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Zone 3 (Urban)		U4D1X	3
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop Zone 1 (Rural)		U4D3X	1
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop Zone 2 (Suburban)		U4D3X	2
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop Zone 3 (Urban)		U4D3X	3
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Cross Connect to Collocation		UCXC2	
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Cross Connect to Collocation (without testing)		UCXD2	
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Cross Connect to Collocation		UCXC4	
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Cross Connect to Collocation (without testing)		UCXD4	
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop Cross Connect to Collocation			
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop Cross Connect to Collocation (without testing)			
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 C.O. Cross Connect to Collocation		UCXBX	
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Cross Connect to Collocation		UDLY4	
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 C.O. Cross Connect to Collocation		UCXBX	
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop - Zone 1 (Rural)		2SLAX	1
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLAX	2
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop - Zone 3 (Urban)		2SLAX	3
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop - Zone 1 (Rural)		2SLCX	1
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLCX	2
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop - Zone 3 (Urban)		2SLCX	3
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop - Zone 1 (Rural)		2SLBX	1
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLBX	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop - Zone 3 (Urban)		2SLBX	3
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop - Zone 1 (Rural)		2SLDX	1
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLDX	2
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop - Zone 3 (Urban)		2SLDX	3
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop - Zone 1 (Rural)		U2F	1
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop - Zone 2 (Suburban)		U2F	2
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop - Zone 3 (Urban)		U2F	3
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop - Zone 1 (Rural)		2SLFX	1
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLFX	2
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop - Zone 3 (Urban)		2SLFX	3
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop - Zone 1 (Rural)		4SL1X	1
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop - Zone 2 (Suburban)		4SL1X	2
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop - Zone 3 (Urban)		4SL1X	3
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Capable Loop - Zone 1 (Rural)		UY5FX	1
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Capable Loop - Zone 2 (Suburban)		UY5FX	2
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Capable Loop - Zone 3 (Urban)		UY5FX	3
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Shielded Loop Cross Connect to Collocation		UXRRX	
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire DSL Non-Shielded Cross Connect to Collocation		UCX92	
14	OK	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DSL Non-Shielded Cross Connect to Collocation		UCX94	
14	OK	LOOP MAKE-UP	Loop Qualification Process - Mechanized		NR98U	
14	OK	LOOP MAKE-UP	Loop Qualification Process - Manual		NRBXU	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Load Coils - 12,000 ft to 17,500 ft - Initial Rate		NRBXZ	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Load Coils - 12,000 ft to 17,500 ft - Additional Same Location / Same Cable		NRMNN	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Load Coils - 12,000 ft to 17,500 ft - Additional Same Location / Different Cable		NRMNO	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Excessive Bridge Tap - 12,000 ft to 17,500 ft - Initial Rate		NRBXW	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Excessive Bridge Tap - 12,000 ft to 17,500 ft - Additional Same Location / Same Cable		NRMNG	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Excessive Bridge Tap - 12,000 ft to 17,500 ft - Additional Same Location / Different Cable		NRMNH	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Repeaters - 12,000 ft to 17,500 ft - Initial Rate		NRBXV	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Repeaters - 12,000 ft to 17,500 ft - Additional Same Location / Same Cable		NRMNA	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Repeaters - 12,000 ft to 17,500 ft - Additional Same Location / Different Cable		NRMNB	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Load Coils & Excessive Bridge Tap - 12,000 ft to 17,500 ft - Initial Rate		NRBXF	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Load Coils & Excessive Bridge Tap - 12,000 ft to 17,500 ft - Additional Same Location / Same Cable		NRMNK	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Load Coils & Excessive Bridge Tap - 12,000 ft to 17,500 ft - Additional Same Location / Different Cable		NRMNL	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal Excessive Bridge Tap & Repeater - 12,000 ft to 17,500 ft - Initial Rate		NRBXH	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal Excessive Bridge Tap & Repeater - 12,000 ft to 17,500 ft - Additional Same Location / Same Cable		NRMND	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal Excessive Bridge Tap & Repeater - 12,000 ft to 17,500 ft - Additional Same Location / Different Cable		NRMNE	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Load Coils - over 17,500 feet in addition to conditioning of 12,000 ft - 17,500 ft - Initial Rate		NRBNJ	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Load Coils - over 17,500 feet in addition to conditioning of 12,000 ft - 17,500 ft - Additional Same Location / Same Cable		NRMNY	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Load Coils - over 17,500 feet in addition to conditioning of 12,000 ft - 17,500 ft - Additional Same Location / Different Cable		NRMNZ	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Excessive Bridge Tap - over 17,500 feet in addition to conditioning of 12,000 ft - 17,500 ft - Initial Rate		NRBNK	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Excessive Bridge Tap - over 17,500 feet in addition to conditioning of 12,000 ft - 17,500 ft - Additional Same Location / Same Cable		NRMNU	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Excessive Bridge Tap - over 17,500 feet in addition to conditioning of 12,000 ft - 17,500 ft - Additional Same Location / Different Cable		NRMNV	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Repeaters - over 17,500 feet in addition to conditioning of 12,000 ft - 17,500 ft - Initial Rate		NRBNL	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Repeaters - over 17,500 feet in addition to conditioning of 12,000 ft - 17,500 ft - Additional Same Location / Same Cable		NRMNQ	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Repeaters - over 17,500 feet in addition to conditioning of 12,000 ft - 17,500 ft - Additional Same Location / Different Cable		NRMNR	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Load Coils & Excessive Bridge Tap - over 17,500 feet in addition to conditioning of 12,000 ft - 17,500 ft - Initial Rate		NRBM8	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Load Coils & Excessive Bridge Tap - over 17,500 feet in addition to conditioning of 12,000 ft - 17,500 ft - Additional Same Location / Same Cable		NRMNW	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal of Load Coils & Excessive Bridge Tap - over 17,500 feet in addition to conditioning of 12,000 ft - 17,500 ft - Additional Same Location / Different Cable		NRMNX	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal Excessive Bridge Tap & Repeater - over 17,500 feet in addition to conditioning of 12,000 ft - 17,500 ft - Initial Rate		NRBTV	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal Excessive Bridge Tap & Repeater - over 17,500 feet in addition to conditioning of 12,000 ft - 17,500 ft - Additional Same Location / Same Cable		NRMNS	
14	OK	LOOP MODIFICATION	DSL Conditioning - Removal Excessive Bridge Tap & Repeater - over 17,500 feet in addition to conditioning of 12,000 ft - 17,500 ft - Additional Same Location / Different Cable		NRMNT	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	OK	LOOP MODIFICATION	RABT - MMP - Removal of non-excessive bridged tap DSL loops >0Kft. And <17.5Kft.		NRMRJ	
14	OK	LOOP MODIFICATION	RABT - MMP - Removal of All Bridged Tap DSL Loops 12Kft. To 17.5Kft.		NRMRP	
14	OK	LOOP MODIFICATION	RABT - MMP - Removal of non-excessive bridged tap DSL loops >17.5Kft DSL Loops - per element incremental		NRMRS	
14	OK	LOOP MODIFICATION	RABT - MMP - Removal of All Bridged Tap DSL loops >17.5Kft. - per element incremental		NRMRM	
14	OK	LOOP MODIFICATION	LST performed on CODSLAM Loop		URCLD	
13MR-SL	OK	SUB-LOOPS	LST performed on Sub Loop		URCLB	
13MR-SL	OK	SUB-LOOPS	ECS to SAI subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAP	1
13MR-SL	OK	SUB-LOOPS	ECS to SAI subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAP	2
13MR-SL	OK	SUB-LOOPS	ECS to SAI subloop charge 2-Wire Analog Zone 3 (Urban)		U6LAP	3
13MR-SL	OK	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAQ	1
13MR-SL	OK	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAQ	2
13MR-SL	OK	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire Analog Zone 3 (Urban)		U6LAQ	3
13MR-SL	OK	SUB-LOOPS	ECS to NID subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAR	1
13MR-SL	OK	SUB-LOOPS	ECS to NID subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAR	2
13MR-SL	OK	SUB-LOOPS	ECS to NID subloop charge 2-Wire Analog Zone 3 (Urban)		U6LAR	3
13MR-SL	OK	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAS	1
13MR-SL	OK	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAS	2
13MR-SL	OK	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire Analog Zone 3 (Urban)		U6LAS	3
13MR-SL	OK	SUB-LOOPS	SAI to NID subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAT	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	OK	SUB-LOOPS	SAI to NID subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAT	2
13MR-SL	OK	SUB-LOOPS	SAI to NID subloop charge 2-Wire Analog Zone 3 (Urban)		U6LAT	3
13MR-SL	OK	SUB-LOOPS	Terminal to NID subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAU	1
13MR-SL	OK	SUB-LOOPS	Terminal to NID subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAU	2
13MR-SL	OK	SUB-LOOPS	Terminal to NID subloop charge 2-Wire Analog Zone 3 (Urban)		U6LAU	3
13MR-SL	OK	SUB-LOOPS	ECS to SAI subloop charge 4-Wire Analog Zone 1 (Rural)		U6LEP	1
13MR-SL	OK	SUB-LOOPS	ECS to SAI subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LEP	2
13MR-SL	OK	SUB-LOOPS	ECS to SAI subloop charge 4-Wire Analog Zone 3 (Urban)		U6LEP	3
13MR-SL	OK	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire Analog Zone 1 (Rural)		U6LEQ	1
13MR-SL	OK	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LEQ	2
13MR-SL	OK	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire Analog Zone 3 (Urban)		U6LEQ	3
13MR-SL	OK	SUB-LOOPS	ECS to NID subloop charge 4-Wire Analog Zone 1 (Rural)		U6LER	1
13MR-SL	OK	SUB-LOOPS	ECS to NID subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LER	2
13MR-SL	OK	SUB-LOOPS	ECS to NID subloop charge 4-Wire Analog Zone 3 (Urban)		U6LER	3
13MR-SL	OK	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire Analog Zone 1 (Rural)		U6LES	1
13MR-SL	OK	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LES	2
13MR-SL	OK	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire Analog Zone 3 (Urban)		U6LES	3
13MR-SL	OK	SUB-LOOPS	SAI to NID subloop charge 4-Wire Analog Zone 1 (Rural)		U6LET	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	OK	SUB-LOOPS	SAI to NID subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LET	2
13MR-SL	OK	SUB-LOOPS	SAI to NID subloop charge 4-Wire Analog Zone 3 (Urban)		U6LET	3
13MR-SL	OK	SUB-LOOPS	Terminal to NID subloop charge 4-Wire Analog Zone 1 (Rural)		U6LEU	1
13MR-SL	OK	SUB-LOOPS	Terminal to NID subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LEU	2
13MR-SL	OK	SUB-LOOPS	Terminal to NID subloop charge 4-Wire Analog Zone 3 (Urban)		U6LEU	3
13MR-SL	OK	SUB-LOOPS	ECS to SAI subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCP	1
13MR-SL	OK	SUB-LOOPS	ECS to SAI subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCP	2
13MR-SL	OK	SUB-LOOPS	ECS to SAI subloop charge 2-Wire DSL Zone 3 (Urban)		U6LCP	3
13MR-SL	OK	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCQ	1
13MR-SL	OK	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCQ	2
13MR-SL	OK	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire DSL Zone 3 (Urban)		U6LCQ	3
13MR-SL	OK	SUB-LOOPS	ECS to NID subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCR	1
13MR-SL	OK	SUB-LOOPS	ECS to NID subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCR	2
13MR-SL	OK	SUB-LOOPS	ECS to NID subloop charge 2-Wire DSL Zone 3 (Urban)		U6LCR	3
13MR-SL	OK	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCS	1
13MR-SL	OK	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCS	2
13MR-SL	OK	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire DSL Zone 3 (Urban)		U6LCS	3
13MR-SL	OK	SUB-LOOPS	SAI to NID subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCT	1
13MR-SL	OK	SUB-LOOPS	SAI to NID subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCT	2
13MR-SL	OK	SUB-LOOPS	SAI to NID subloop charge 2-Wire DSL Zone 3 (Urban)		U6LCT	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	OK	SUB-LOOPS	Terminal to NID subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCU	1
13MR-SL	OK	SUB-LOOPS	Terminal to NID subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCU	2
13MR-SL	OK	SUB-LOOPS	Terminal to NID subloop charge 2-Wire DSL Zone 3 (Urban)		U6LCU	3
13MR-SL	OK	SUB-LOOPS	ECS to SAI subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGP	1
13MR-SL	OK	SUB-LOOPS	ECS to SAI subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGP	2
13MR-SL	OK	SUB-LOOPS	ECS to SAI subloop charge 4-Wire DSL Zone 3 (Urban)		U6LGP	3
13MR-SL	OK	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGQ	1
13MR-SL	OK	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGQ	2
13MR-SL	OK	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire DSL Zone 3 (Urban)		U6LGQ	3
13MR-SL	OK	SUB-LOOPS	ECS to NID subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGR	1
13MR-SL	OK	SUB-LOOPS	ECS to NID subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGR	2
13MR-SL	OK	SUB-LOOPS	ECS to NID subloop charge 4-Wire-DSL Zone 3 (Urban)		U6LGR	3
13MR-SL	OK	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGS	1
13MR-SL	OK	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGS	2
13MR-SL	OK	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire DSL Zone 3 (Urban)		U6LGS	3
13MR-SL	OK	SUB-LOOPS	SAI to NID subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGT	1
13MR-SL	OK	SUB-LOOPS	SAI to NID subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGT	2
13MR-SL	OK	SUB-LOOPS	SAI to NID subloop charge 4-Wire DSL Zone 3 (Urban)		U6LGT	3
13MR-SL	OK	SUB-LOOPS	Terminal to NID subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGU	1
13MR-SL	OK	SUB-LOOPS	Terminal to NID subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGU	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	OK	SUB-LOOPS	Terminal to NID subloop charge 4-Wire DSL Zone 3 (Urban)		U6LGU	3
13MR-SL	OK	SUB-LOOPS	Subloop Cross Connect 2-Wire Analog Non-Central Office Originating		UKCV2	
13MR-SL	OK	SUB-LOOPS	Subloop Cross Connect 4-Wire Analog Non-Central Office Originating		UKCV4	
13MR-SL	OK	SUB-LOOPS	Subloop Cross Connect 2-Wire DSL Non-Central Office Originating		UKCZ2	
13MR-SL	OK	SUB-LOOPS	Subloop Cross Connect 4-Wire DSL Non-Central Office Originating		UKCZ4	
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Rural)		ULNHS	1
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNHS	2
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Urban)		ULNHS	3
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone		ULNHS	1
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Rural)		ULNHS	1
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNHS	2
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Urban)		ULNHS	3
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone		ULNHS	1
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Rural)		ULNJS	1
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNJS	2
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Urban)		ULNJS	3
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone		ULNJS	1
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Rural)		ULNJS	1
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNJS	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Urban)		ULNJS	3
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone		ULNJS	1
13	OK	UNBUNDLED DEDICATED TRANSPORT	DS1 to Collocation		UCXHX	
13	OK	UNBUNDLED DEDICATED TRANSPORT	DS3 to Collocation		UCXJX	
13	OK	UNBUNDLED DEDICATED TRANSPORT	DS1 to VG		UM4BX	
13	OK	UNBUNDLED DEDICATED TRANSPORT	DS3 to DS1		UM4AX	
13	OK	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per strand		ULYCX	
13	OK	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per foot Zone 1 (Rural)		ULNCF	1
13	OK	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per foot Zone 2 (Suburban)		ULNCF	2
13	OK	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per foot Zone 3 (Urban)		ULNCF	3
13	OK	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Cross Connect - Interoffice		UKCJX	1
13	OK	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice Inquiry		NR9D6	
13	OK	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop to POA - Method 1		UXRA1	1
13	OK	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop to POA - Method 2		UXRA2	2
13	OK	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop to POA - Method 3		UXRA3	3
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	Routine Modifications		N3RUE	
7	OK	OPERATIONS SUPPORT SYSTEMS (OSS)	Manual New - Simple		NRBUQ	
7	OK	OPERATIONS SUPPORT SYSTEMS (OSS)	Manual Change - Simple		NRBUO	
7	OK	OPERATIONS SUPPORT SYSTEMS (OSS)	Manual Record - Simple		NRBUU	
7	OK	OPERATIONS SUPPORT SYSTEMS (OSS)	Manual Disconnect - Simple		NRBUW	
7	OK	OPERATIONS SUPPORT SYSTEMS (OSS)	Manual Expedited - Simple		NRMV1	
7	OK	OPERATIONS SUPPORT SYSTEMS (OSS)	Manual Customer Not Ready - Simple		NRMV5	
7	OK	OPERATIONS SUPPORT SYSTEMS (OSS)	Manual Due Date Change or Cancellation - Simple		NRMV3	
7	OK	OPERATIONS SUPPORT SYSTEMS (OSS)	Electronic New - Simple		NR9W2	
7	OK	OPERATIONS SUPPORT SYSTEMS (OSS)	Electronic Change - Simple		NR9GG	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
7	OK	OPERATIONS SUPPORT SYSTEMS (OSS)	Electronic Record - Simple		NR9GU	
7	OK	OPERATIONS SUPPORT SYSTEMS (OSS)	Electronic Disconnect - Simple		NR9GZ	
7	OK	OPERATIONS SUPPORT SYSTEMS (OSS)	Electronic Expedited - Simple		NRMV7	
7	OK	OPERATIONS SUPPORT SYSTEMS (OSS)	Electronic Customer Not Ready - Simple		NRMV9	
7	OK	OPERATIONS SUPPORT SYSTEMS (OSS)	Electronic Due Date Change or Cancellation - Simple		NRMV8	
7	OK	OPERATIONS SUPPORT SYSTEMS (OSS)	PIC Change Charge		NRBL9	
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	Manual New - Complex		NRBUR	
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	Manual Change - Complex		NRBUP	
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	Manual Record - Complex		NRBUV	
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	Manual Disconnect - Complex		NRBUX	
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	Manual Expedited - Complex		NRMV2	
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	Manual Customer Not Ready - Complex		NRMV6	
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	Manual Due Date Change or Cancellation - Complex		NRMV4	
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	Electronic New - Complex		NRBGX	
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	Electronic Change - Complex		NR9G8	
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	Electronic Record - Complex		NR9G7	
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	Electronic Disconnect - Complex		NR9G9	
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	Electronic Expedited - Complex		NRMVX	
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	Electronic Customer Not Ready - Complex		NRMVY	
13	OK	UNBUNDLED EXCHANGE ACCESS LOOP	Electronic Due Date Change or Cancellation - Complex		NRMVZ	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEAL2	1
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEAL2	1
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEAL2	2
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEAL2	2
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEAL2	3
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEAL2	3
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEASL	1
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEASL	1
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEASL	2
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEASL	2
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEASL	3
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEASL	3
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Manual Order Coordination for UVL-SL1s (per loop)	UEANL	UEAMC	
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Order Coordination for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1 [DISCONNECT]	UEANL	UREPN	
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL1	UEANL	UREPM	
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1	UEQ	UEQ2X	1
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1 [DISCONNECT]	UEQ	UEQ2X	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2	UEQ	UEQ2X	2
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2 [DISCONNECT]	UEQ	UEQ2X	2
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3	UEQ	UEQ2X	3
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3 [DISCONNECT]	UEQ	UEQ2X	3
14R-CU	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Unbundled Miscellaneous Rate Element, Tag Loop at End User Premise	UEQ	URETL	
14R-CU	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic 1st Half Hour	UEQ	URET1	
14R-CU	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic Additional Half Hour	UEQ	URETA	
15	SC	UNBUNDLED EXCHANGE ACCESS LOOP	Manual Order Coordination 2 Wire Unbundled Copper Loop - Non-Designed (per loop)	UEQ	USBMC	
15	SC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND	UEQ	UREPN	
15	SC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND [DISCONNECT]	UEQ	UREPN	
15	SC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
15	SC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN	
15	SC	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL2	UEA	UREPM	
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEA	UEAL4	1
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEA	UEAL4	2
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEA	UEAL4	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES	
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 1	UDN	U1L2X	1
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 1 [DISCONNECT]	UDN	U1L2X	1
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 2	UDN	U1L2X	2
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 2 [DISCONNECT]	UDN	U1L2X	2
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 3	UDN	U1L2X	3
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 3 [DISCONNECT]	UDN	U1L2X	3
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 1	UAL	UAL2X	1
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 1 [DISCONNECT]	UAL	UAL2X	1
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 2	UAL	UAL2X	2
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 2 [DISCONNECT]	UAL	UAL2X	2
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 3	UAL	UAL2X	3
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 3 [DISCONNECT]	UAL	UAL2X	3
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 1	UAL	UAL2W	1
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 1 [DISCONNECT]	UAL	UAL2W	1
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 2	UAL	UAL2W	2
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 2 [DISCONNECT]	UAL	UAL2W	2
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 3	UAL	UAL2W	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 3 [DISCONNECT]	UAL	UAL2W	3
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 1	UHL	UHL2X	1
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 1 [DISCONNECT]	UHL	UHL2X	1
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 2	UHL	UHL2X	2
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 2 [DISCONNECT]	UHL	UHL2X	2
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 3	UHL	UHL2X	3
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 3 [DISCONNECT]	UHL	UHL2X	3
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1	UHL	UHL2W	1
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UHL	UHL2W	1
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2	UHL	UHL2W	2
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UHL	UHL2W	2
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3	UHL	UHL2W	3
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UHL	UHL2W	3
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4 Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 1	UHL	UHL4X	1
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4 Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UHL	UHL4X	1
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 2	UHL	UHL4X	2
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UHL	UHL4X	2
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 3	UHL	UHL4X	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UHL	UHL4X	3
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1	UHL	UHL4W	1
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UHL	UHL4W	1
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2	UHL	UHL4W	2
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UHL	UHL4W	2
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3	UHL	UHL4W	3
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UHL	UHL4W	3
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 1	USL	USLXX	1
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 1 [DISCONNECT]	USL	USLXX	1
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 2	USL	USLXX	2
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 2 [DISCONNECT]	USL	USLXX	2
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 3	USL	USLXX	3
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 3 [DISCONNECT]	USL	USLXX	3
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS1)	USL	URES	
13	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS1)	USL	URESP	
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 1	UCL	UCLPB	1
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 1 [DISCONNECT]	UCL	UCLPB	1
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 2	UCL	UCLPB	2
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 2 [DISCONNECT]	UCL	UCLPB	2
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 3	UCL	UCLPB	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 3 [DISCONNECT]	UCL	UCLPB	3
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1	UCL	UCLPW	1
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UCL	UCLPW	1
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2	UCL	UCLPW	2
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UCL	UCLPW	2
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3	UCL	UCLPW	3
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UCL	UCLPW	3
15	SC	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Order Coordination for Unbundled Copper Loops (per loop)	UCL	UCLMC	
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 1	UCL	UCL4S	1
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UCL	UCL4S	1
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 2	UCL	UCL4S	2
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UCL	UCL4S	2
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 3	UCL	UCL4S	3
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UCL	UCL4S	3
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1	UCL	UCL4W	1
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UCL	UCL4W	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2	UCL	UCL4W	2
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UCL	UCL4W	2
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3	UCL	UCL4W	3
14	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UCL	UCL4W	3
15	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Order Coordination for Unbundled Copper Loops (per loop)	UCL	UCLMC	
15	SC	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop - Order Coordination for Specified Conversion Time (per LSR)	UEA, UDN, UAL, UHL, UDL, USL	OCOSL	
13	SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
13	SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAL2	1
13	SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2	2
13	SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAL2	2
13	SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3
13	SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAL2	3
13	SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1
13	SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAR2	1
13	SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2
13	SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAR2	2
13	SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAR2	3
13	SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES	
13	SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
13	SC	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Loop Tagging - Service Level 2 (SL2)	NTCVG	URETL	
13	SC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
13	SC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	NTCVG	UEAL4	1
13	SC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
13	SC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	NTCVG	UEAL4	2
13	SC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
13	SC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	NTCVG	UEAL4	3
13	SC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES	
13	SC	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
13	SC	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 1	NTCD1	USLXX	1
13	SC	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 1 [DISCONNECT]	NTCD1	USLXX	1
13	SC	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 2	NTCD1	USLXX	2
13	SC	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 2 [DISCONNECT]	NTCD1	USLXX	2
13	SC	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 3	NTCD1	USLXX	3
13	SC	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 3 [DISCONNECT]	NTCD1	USLXX	3
13	SC	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS1)	NTCD1	URES	
13	SC	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS1)	NTCD1	URESP	
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 1	NTCUD	UDL2X	1
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL2X	1
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 2	NTCUD	UDL2X	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL2X	2
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone3	NTCUD	UDL2X	3
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone3 [DISCONNECT]	NTCUD	UDL2X	3
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 1	NTCUD	UDL4X	1
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL4X	1
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 2	NTCUD	UDL4X	2
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL4X	2
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 3	NTCUD	UDL4X	3
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL4X	3
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 1	NTCUD	UDL9X	1
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL9X	1
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 2	NTCUD	UDL9X	2
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL9X	2
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 3	NTCUD	UDL9X	3
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL9X	3
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 1	NTCUD	UDL19	1
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL19	1
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 2	NTCUD	UDL19	2
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL19	2
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 3	NTCUD	UDL19	3
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL19	3
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 1	NTCUD	UDL56	1
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL56	1
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 2	NTCUD	UDL56	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL56	2
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 3	NTCUD	UDL56	3
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL56	3
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 1	NTCUD	UDL64	1
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL64	1
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 2	NTCUD	UDL64	2
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL64	2
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 3	NTCUD	UDL64	3
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL64	3
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 19.2, 56 or 64 Kbps - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCUD	URES	
13	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 19.2, 56 or 64 Kbps - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCUD	URESP	
15	SC	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 19.2, 56 or 64 Kbps - Order Coordination for Specified Conversion Time (per LSR)	NTCVG, NTCUD, NTC1	OCOSL	
13	SC	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Basic Time, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTC1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULDVX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVB	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	SC	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Overtime, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTC1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULDVX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVOT	
13	SC	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Premium, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTC1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULDVX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVPT	
14	SC	LOOP MODIFICATION	Unbundled Loop Modification, Removal of Load Coils - 2 Wire pair less than or equal to 18k ft, per Unbundled Loop	UAL, UHL, UCL, UEQ, ULS, UEA, UEANL, UEPSR, UEPSB	ULM2L	
14	SC	LOOP MODIFICATION	Unbundled Loop Modification Removal of Load Coils - 4 Wire less than or equal to 18K ft, per Unbundled Loop	UHL, UCL, UEA	ULM4L	
14	SC	LOOP MODIFICATION	Unbundled Loop Modification Removal of Bridged Tap Removal, per unbundled loop	UAL, UHL, UCL, UEQ, ULS, UEA, UEANL, UEPSR, UEPSB	ULMBT	
13MR-SL	SC	SUB-LOOPS	Sub-Loop - Per Cross Box Location - CLEC Feeder Facility Set-Up	UEANL, UEF	USBSA	
13MR-SL	SC	SUB-LOOPS	Sub-Loop - Per Cross Box Location - Per 25 Pair Panel Set-Up	UEANL, UEF	USBSB	
13MR-SL	SC	SUB-LOOPS	Sub-Loop - Per Building Equipment Room - CLEC Feeder Facility Set-Up	UEANL	USBSC	
13MR-SL	SC	SUB-LOOPS	Sub-Loop - Per Building Equipment Room - Per 25 Pair Panel Set-Up	UEANL	USBSD	
13MR-SL	SC	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 1	UEANL	USBN2	1
13MR-SL	SC	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEANL	USBN2	1
13MR-SL	SC	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 2	UEANL	USBN2	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	SC	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEANL	USBN2	2
13MR-SL	SC	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 3	UEANL	USBN2	3
13MR-SL	SC	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEANL	USBN2	3
13	SC	SUB-LOOPS	Order Coordination for Unbundled Sub-Loops, per sub-loop pair	UEANL	USBMC	
13MR-SL	SC	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 1	UEANL	USBN4	1
13MR-SL	SC	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEANL	USBN4	1
13MR-SL	SC	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 2	UEANL	USBN4	2
13MR-SL	SC	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEANL	USBN4	2
13MR-SL	SC	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 3	UEANL	USBN4	3
13MR-SL	SC	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEANL	USBN4	3
13MR-SL	SC	SUB-LOOPS	Sub-Loop 2-Wire Intrabuilding Network Cable (INC)	UEANL	USBR2	
13MR-SL	SC	SUB-LOOPS	Sub-Loop 2-Wire Intrabuilding Network Cable (INC) [DISCONNECT]	UEANL	USBR2	
13MR-SL	SC	SUB-LOOPS	Sub-Loop 4-Wire Intrabuilding Network Cable (INC)	UEANL	USBR4	
13MR-SL	SC	SUB-LOOPS	Sub-Loop 4-Wire Intrabuilding Network Cable (INC) [DISCONNECT]	UEANL	USBR4	
13MR-SL	SC	SUB-LOOPS	Loop Testing - Basic 1st Half Hour	UEANL	URET1	
13MR-SL	SC	SUB-LOOPS	Loop Testing - Basic Additional Half Hour	UEANL	URETA	
13MR-SL	SC	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 1	UEF	UCS2X	1
13MR-SL	SC	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 1 [DISCONNECT]	UEF	UCS2X	1
13MR-SL	SC	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 2	UEF	UCS2X	2
13MR-SL	SC	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 2 [DISCONNECT]	UEF	UCS2X	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	SC	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 3	UEF	UCS2X	3
13MR-SL	SC	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 3 [DISCONNECT]	UEF	UCS2X	3
13	SC	SUB-LOOPS	Order Coordination for Unbundled Sub-Loops, per sub-loop pair	UEF	USBMC	
13MR-SL	SC	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 1	UEF	UCS4X	1
13MR-SL	SC	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 1 [DISCONNECT]	UEF	UCS4X	1
13MR-SL	SC	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 2	UEF	UCS4X	2
13MR-SL	SC	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 2 [DISCONNECT]	UEF	UCS4X	2
13MR-SL	SC	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 3	UEF	UCS4X	3
13MR-SL	SC	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 3 [DISCONNECT]	UEF	UCS4X	3
13MR-SL	SC	SUB-LOOPS	Loop Tagging Service Level 1, Unbundled Copper Loop, Non-Designed and Distribution Subloops	UEF, UEANL	URETL	
13MR-SL	SC	SUB-LOOPS	Loop Testing - Basic 1st Half Hour	UEF	URET1	
13MR-SL	SC	SUB-LOOPS	Loop Testing - Basic Additional Half Hour	UEF	URETA	
13	SC	SUB-LOOPS	Unbundled Sub-Loop Modification - 2-W Copper Dist Load Coil/Equip Removal per 2-W PR	UEF	ULM2X	
13	SC	SUB-LOOPS	Unbundled Sub-loop Modification - 4-W Copper Dist Load Coil/Equip Removal per 4-W PR	UEF	ULM4X	
13	SC	SUB-LOOPS	Unbundled Loop Modification, Removal of Bridge Tap, per unbundled loop	UEF	ULMBT	
13MR-SL	SC	SUB-LOOPS	Unbundled Network Terminating Wire (UNTW) per Pair	UENTW	UENPP	
13	SC	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-2 lines	UENTW	UND12	
13	SC	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-6 lines	UENTW	UND16	
13	SC	ADDITIONAL NETWORK ELEMENTS	Network Interface Device Cross Connect - 2 W	UENTW	UNDC2	
13	SC	ADDITIONAL NETWORK ELEMENTS	Network Interface Device Cross Connect - 4W	UENTW	UNDC4	
13	SC	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled Contact Name, Provisioning Only - no rate	UAL, UCL, UDC, UDL, UDN, UEA, UHL, UEANL, UEF, UEQ, UENTW, NTCVCG, NTCUD, NTCD1, USL	UNECN	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	SC	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled DS1 Loop - Superframe Format Option - no rate	USL, NTCD1	CCOSF	
13	SC	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled DS1 Loop - Expanded Superframe Format option - no rate	USL, NTCD1	CCOEF	
13	SC	UNE OTHER, PROVISIONING ONLY - NO RATE	NID - Dispatch and Service Order for NID installation	UENTW	UNDBX	
13MR-SL	SC	UNE OTHER, PROVISIONING ONLY - NO RATE	UNTW Circuit Establishment, Provisioning Only - No Rate	UENTW	UENCE	
14	SC	LOOP MAKE-UP	Loop Makeup - Preordering Without Reservation, per working or spare facility queried (Manual).	UMK	UMKLW	
14	SC	LOOP MAKE-UP	Loop Makeup - Preordering With Reservation, per spare facility queried (Manual).	UMK	UMKLP	
14	SC	LOOP MAKE-UP	Loop Makeup--With or Without Reservation, per working or spare facility queried (Mechanized)	UMK	UMKMQ	
14R-LS	SC	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation DLEC owned splitter	UEPSR, UEPSB	UREOS	
14R-LS	SC	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation AT&T owned - physical	UEPSR, UEPSB	UREBP	
14R-LS	SC	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation AT&T owned - physical [DISCONNECT]	UEPSR, UEPSB	UREBP	
14R-LS	SC	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation AT&T owned - virtual	UEPSR, UEPSB	UREBV	
14R-LS	SC	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation AT&T owned - virtual [DISCONNECT]	UEPSR, UEPSB	UREBV	
14R-LS	SC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1	UEPSR, UEPSB	UEALS	1
14R-LS	SC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1 [DISCONNECT]	UEPSR, UEPSB	UEALS	1
14R-LS	SC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1	UEPSR, UEPSB	UEABS	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14R-LS	SC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1 [DISCONNECT]	UEPSR, UEPSB	UEABS	1
14R-LS	SC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2	UEPSR, UEPSB	UEALS	2
14R-LS	SC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2 [DISCONNECT]	UEPSR, UEPSB	UEALS	2
14R-LS	SC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2	UEPSR, UEPSB	UEABS	2
14R-LS	SC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2 [DISCONNECT]	UEPSR, UEPSB	UEABS	2
14R-LS	SC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3	UEPSR, UEPSB	UEALS	3
14R-LS	SC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3 [DISCONNECT]	UEPSR, UEPSB	UEALS	3
14R-LS	SC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3	UEPSR, UEPSB	UEABS	3
14R-LS	SC	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3 [DISCONNECT]	UEPSR, UEPSB	UEABS	3
14R-LS	SC	LINE SPLITTING	Unbundled Exchange Access Loop - Physical Collocation-2 Wire Cross Connects (Loop) for Line Splitting	UEPSR, UEPSB	PE1LS	
14R-LS	SC	LINE SPLITTING	Unbundled Exchange Access Loop - Physical Collocation-2 Wire Cross Connects (Loop) for Line Splitting [DISCONNECT]	UEPSR, UEPSB	PE1LS	
14R-LS	SC	LINE SPLITTING	Unbundled Exchange Access Loop - Virtual Collocation-2 Wire Cross Connects (Loop) for Line Splitting	UEPSR, UEPSB	VE1LS	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14R-LS	SC	LINE SPLITTING	Unbundled Exchange Access Loop - Virtual Collocation-2 Wire Cross Connects (Loop) for Line Splitting [DISCONNECT]	UEPSR, UEPSB	VE1LS	
13	SC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	
13	SC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1	
13	SC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination [DISCONNECT]	U1TD1	U1TF1	
13	SC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
13	SC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
13	SC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination [DISCONNECT]	U1TD3	U1TF3	
13	SC	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof	UDF	1L5DF	
13	SC	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof	UDF	UDF14	
13	SC	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof [DISCONNECT]	UDF	UDF14	
13	SC	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - per mile	UE3	1L5ND	
13	SC	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination	UE3	UE3PX	
13	SC	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination [DISCONNECT]	UE3	UE3PX	
13	SC	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1	UNCVX	UEAL4	1
13	SC	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1 [DISCONNECT]	UNCVX	UEAL4	1
13	SC	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2	UNCVX	UEAL4	2
13	SC	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2 [DISCONNECT]	UNCVX	UEAL4	2
13	SC	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3	UNCVX	UEAL4	3
13	SC	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3 [DISCONNECT]	UNCVX	UEAL4	3
13	SC	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	SC	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1 [DISCONNECT]	UNC1X	USLXX	1
13	SC	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
13	SC	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2 [DISCONNECT]	UNC1X	USLXX	2
13	SC	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3
13	SC	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3 [DISCONNECT]	UNC1X	USLXX	3
13	SC	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
13	SC	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
13	SC	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination [DISCONNECT]	UNC3X	UE3PX	
13	SC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
13	SC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination	UNC1X	U1TF1	
13	SC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination [DISCONNECT]	UNC1X	U1TF1	
13	SC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
13	SC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination	UNC3X	U1TF3	
13	SC	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination [DISCONNECT]	UNC3X	U1TF3	
13	SC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Extended Frame Option - per DS1	U1TD1, UNC1X	CCOEF	
13	SC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Super FrameOption - per DS1	U1TD1, UNC1X	CCOSF	
13	SC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability (SF/ESF) Option - Subsequent Activity - per DS1	U1TD1, UNC1X, USL	NRCCC	
13	SC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability (SF/ESF) Option - Subsequent Activity - per DS1 [DISCONNECT]	U1TD1, UNC1X, USL	NRCCC	
13	SC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: C-bit Parity Option - Subsequent Activity - per DS3	U1TD3, UE3, UNC3X	NRCC3	
13	SC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: C-bit Parity Option - Subsequent Activity - per DS3 [DISCONNECT]	U1TD3, UE3, UNC3X	NRCC3	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	SC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1/DS0 Channel System	UNC1X	MQ1	
13	SC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1/DS0 Channel System [DISCONNECT]	UNC1X	MQ1	
13	SC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS3/DS1Channel System	UNC3X	MQ3	
13	SC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS3/DS1Channel System [DISCONNECT]	UNC3X	MQ3	
13	SC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Voice Grade COCI in combination	UNCVX	1D1VG	
13	SC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Voice Grade COCI - for 2W-SL2 & 4W Voice Grade Local Loop	UEA	1D1VG	
13	SC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI in combination	UNC1X	UC1D1	
13	SC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI - for Stand Alone Interoffice Channel	U1TD1	UC1D1	
13	SC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI - for DS1 Local Loop	USL, NTCDD1	UC1D1	
13	SC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Wholesale - UNE, Switch-As-Is Conversion Charge	UNCVX, UNC1X, UNC3X, XDH1X, HFQC6, XDD2X, XDV6X	UNCCC	
13	SC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Unbundled Misc Rate Element, SNE SAI, Single Network Element - Switch As Is Non-recurring Charge, per circuit (LSR)	U1TVX, U1TD3, UDF, UE3	URES	
13	SC	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Unbundled Misc Rate Element, SNE SAI, Single Network Element - Switch As Is Non-recurring Charge, incremental charge per circuit on a spreadsheet	U1TVX, U1TD3, UDF, UE3	URESP	
13	SC	ADDITIONAL NETWORK ELEMENTS	Service Rearrangements - NRC - Order Coordination Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR	
13	SC	COMMINGLING	Commingling Authorization	UNCVX, UNC1X, UNC3X, U1TD3, UE3, U1TVX	CMGAU	
13	SC	COMMINGLING	Commingling Authorization [DISCONNECT]	UNCVX, UNC1X, UNC3X, U1TD3, UE3, U1TVX	CMGAU	
13	SC	COMMINGLING	Commingled VG COCI	XDV2X	1D1VG	
13	SC	COMMINGLING	Commingled 4-wire Local Loop Zone 1	XDV6X	UEAL4	1
13	SC	COMMINGLING	Commingled 4-wire Local Loop Zone 1 [DISCONNECT]	XDV6X	UEAL4	1
13	SC	COMMINGLING	Commingled 4-wire Local Loop Zone 2	XDV6X	UEAL4	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	SC	COMMINGLING	Commingled 4-wire Local Loop Zone 2 [DISCONNECT]	XDV6X	UEAL4	2
13	SC	COMMINGLING	Commingled 4-wire Local Loop Zone 3	XDV6X	UEAL4	3
13	SC	COMMINGLING	Commingled 4-wire Local Loop Zone 3 [DISCONNECT]	XDV6X	UEAL4	3
13	SC	COMMINGLING	Commingled DS1 COCI	XDH1X	UC1D1	
13	SC	COMMINGLING	Commingled DS1 Interoffice Channel	XDH1X	U1TF1	
13	SC	COMMINGLING	Commingled DS1 Interoffice Channel [DISCONNECT]	XDH1X	U1TF1	
13	SC	COMMINGLING	Commingled DS1 Interoffice Channel Mileage	XDH1X	1L5XX	
13	SC	COMMINGLING	Commingled DS1/DS0 Channel System	XDH1X	MQ1	
13	SC	COMMINGLING	Commingled DS1/DS0 Channel System [DISCONNECT]	XDH1X	MQ1	
13	SC	COMMINGLING	Commingled DS1 Local Loop Zone 1	XDH1X	USLXX	1
13	SC	COMMINGLING	Commingled DS1 Local Loop Zone 1 [DISCONNECT]	XDH1X	USLXX	1
13	SC	COMMINGLING	Commingled DS1 Local Loop Zone 2	XDH1X	USLXX	2
13	SC	COMMINGLING	Commingled DS1 Local Loop Zone 2 [DISCONNECT]	XDH1X	USLXX	2
13	SC	COMMINGLING	Commingled DS1 Local Loop Zone 3	XDH1X	USLXX	3
13	SC	COMMINGLING	Commingled DS1 Local Loop Zone 3 [DISCONNECT]	XDH1X	USLXX	3
13	SC	COMMINGLING	Commingled DS3 Local Loop	HFQC6	UE3PX	
13	SC	COMMINGLING	Commingled DS3 Local Loop [DISCONNECT]	HFQC6	UE3PX	
13	SC	COMMINGLING	Commingled DS3-Local Loop Mileage	HFQC6	1L5ND	
13	SC	COMMINGLING	Commingled DS3/DS1 Channel System	HFQC6	MQ3	
13	SC	COMMINGLING	Commingled DS3/DS1 Channel System [DISCONNECT]	HFQC6	MQ3	
13	SC	COMMINGLING	Commingled DS3 Interoffice Channel	HFQC6	U1TF3	
13	SC	COMMINGLING	Commingled DS3 Interoffice Channel [DISCONNECT]	HFQC6	U1TF3	
13	SC	COMMINGLING	Commingled DS3 Interoffice Channel Mileage	HFQC6	1L5XX	
13	SC	COMMINGLING	UNE to Commingled Conversion Tracking	XDH1X, HFQC6	CMGUN	
13	SC	COMMINGLING	UNE to Commingled Conversion Tracking [DISCONNECT]	XDH1X, HFQC6	CMGUN	
13	SC	COMMINGLING	SPA to Commingled Conversion Tracking	XDH1X, HFQC6	CMGSP	
13	SC	COMMINGLING	SPA to Commingled Conversion Tracking [DISCONNECT]	XDH1X, HFQC6	CMGSP	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEAL2	1
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT] (USOC=UEAL2)	UEANL	SOMAN	1
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 (USOC=UEAL2)	UEANL	SOMAN	1
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEAL2	1
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEAL2	2
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT] (USOC=UEAL2)	UEANL	SOMAN	2
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 (USOC=UEAL2)	UEANL	SOMAN	2
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEAL2	2
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEAL2	3
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT] (USOC=UEAL2)	UEANL	SOMAN	3
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 (USOC=UEAL2)	UEANL	SOMAN	3
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEAL2	3
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1	UEANL	UEASL	1
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT] (USOC=UEASL)	UEANL	SOMAN	1
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 (USOC=UEASL)	UEANL	SOMAN	1
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 1 [DISCONNECT]	UEANL	UEASL	1
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2	UEANL	UEASL	2
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT] (USOC=UEASL)	UEANL	SOMAN	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 (USOC=UEASL)	UEANL	SOMAN	2
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 2 [DISCONNECT]	UEANL	UEASL	2
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3	UEANL	UEASL	3
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT] (USOC=UEASL)	UEANL	SOMAN	3
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 (USOC=UEASL)	UEANL	SOMAN	3
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Service Level 1-Zone 3 [DISCONNECT]	UEANL	UEASL	3
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Manual Order Coordination for UVL-SL1s (per loop)	UEANL	UEAMC	
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Order Coordination for Specified Conversion Time for UVL-SL1 (per LSR)	UEANL	OCOSL	
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1	UEANL	UREPN	
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL1 [DISCONNECT]	UEANL	UREPN	
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL1	UEANL	UREPM	
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1	UEQ	UEQ2X	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1 [DISCONNECT] (USOC=UEQ2X)	UEQ	SOMAN	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1 (USOC=UEQ2X)	UEQ	SOMAN	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Non-Designed Zone 1 [DISCONNECT]	UEQ	UEQ2X	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2	UEQ	UEQ2X	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2 [DISCONNECT] (USOC=UEQ2X)	UEQ	SOMAN	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2 (USOC=UEQ2X)	UEQ	SOMAN	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 2 [DISCONNECT]	UEQ	UEQ2X	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3	UEQ	UEQ2X	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3 [DISCONNECT] (USOC=UEQ2X)	UEQ	SOMAN	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3 (USOC=UEQ2X)	UEQ	SOMAN	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Non-Designed - Zone 3 [DISCONNECT]	UEQ	UEQ2X	3
14R-CU	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Tag Loop at End User Premise	UEQ	URETL	
14R-CU	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic 1st Half Hour	UEQ	URET1	
14R-CU	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Loop Testing - Basic Additional Half Hour	UEQ	URETA	
15	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop - Manual Order Coordination 2 Wire Unbundled Copper Loop - Non-Designed (per loop)	UEQ	USBMC	
15	TN	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND	UEQ	UREPN	
15	TN	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire UCL-ND [DISCONNECT]	UEQ	UREPN	
15	TN	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire UCL-ND	UEQ	UREPM	
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0) [DISCONNECT] (USOC=URES�)	UEA	SOMAN	
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0) (USOC=URES�)	UEA	SOMAN	
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESP	
15	TN	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration, per 2 Wire Voice Loop-SL2	UEA	UREPN	
15	TN	UNBUNDLED EXCHANGE ACCESS LOOP	Bulk Migration Order Coordination, per 2 Wire Voice Loop-SL2	UEA	UREPM	
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1	UEA	UEAL4	1
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT] (USOC=UEAL4)	UEA	SOMAN	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1 (USOC=UEAL4)	UEA	SOMAN	1
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEA	UEAL4	1
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2	UEA	UEAL4	2
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT] (USOC=UEAL4)	UEA	SOMAN	2
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2 (USOC=UEAL4)	UEA	SOMAN	2
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEA	UEAL4	2
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3	UEA	UEAL4	3
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT] (USOC=UEAL4)	UEA	SOMAN	3
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3 (USOC=UEAL4)	UEA	SOMAN	3
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEA	UEAL4	3
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	UEA	URES�	
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0) [DISCONNECT] (USOC=URES�)	UEA	SOMAN	
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0) (USOC=URES�)	UEA	SOMAN	
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	UEA	URESР	
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 1	UDN	U1L2X	1
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 1 [DISCONNECT] (USOC=U1L2X)	UDN	SOMAN	1
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 1 (USOC=U1L2X)	UDN	SOMAN	1
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 1 [DISCONNECT]	UDN	U1L2X	1
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 2	UDN	U1L2X	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 2 [DISCONNECT] (USOC=U1L2X)	UDN	SOMAN	2
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 2 (USOC=U1L2X)	UDN	SOMAN	2
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 2 [DISCONNECT]	UDN	U1L2X	2
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 3	UDN	U1L2X	3
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 3 [DISCONNECT] (USOC=U1L2X)	UDN	SOMAN	3
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 3 (USOC=U1L2X)	UDN	SOMAN	3
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire ISDN Digital Grade Loop - Zone 3 [DISCONNECT]	UDN	U1L2X	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 1	UAL	UAL2X	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 1 [DISCONNECT] (USOC=UAL2X)	UAL	SOMAN	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 1 (USOC=UAL2X)	UAL	SOMAN	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 1 [DISCONNECT]	UAL	UAL2X	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 2	UAL	UAL2X	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 2 [DISCONNECT] (USOC=UAL2X)	UAL	SOMAN	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 2 (USOC=UAL2X)	UAL	SOMAN	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 2 [DISCONNECT]	UAL	UAL2X	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 3	UAL	UAL2X	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 3 [DISCONNECT] (USOC=UAL2X)	UAL	SOMAN	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 3 (USOC=UAL2X)	UAL	SOMAN	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop including manual service inquiry & facility reservation - Zone 3 [DISCONNECT]	UAL	UAL2X	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 1	UAL	UAL2W	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 1 [DISCONNECT] (USOC=UAL2W)	UAL	SOMAN	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 1 (USOC=UAL2W)	UAL	SOMAN	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 1 [DISCONNECT]	UAL	UAL2W	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 2	UAL	UAL2W	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 2 [DISCONNECT] (USOC=UAL2W)	UAL	SOMAN	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 2 (USOC=UAL2W)	UAL	SOMAN	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 2 [DISCONNECT]	UAL	UAL2W	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 3	UAL	UAL2W	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 3 [DISCONNECT] (USOC=UAL2W)	UAL	SOMAN	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 3 (USOC=UAL2W)	UAL	SOMAN	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled ADSL Loop without manual service inquiry & facility reservaton - Zone 3 [DISCONNECT]	UAL	UAL2W	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 1	UHL	UHL2X	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 1 [DISCONNECT] (USOC=UHL2X)	UHL	SOMAN	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 1 (USOC=UHL2X)	UHL	SOMAN	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 1 [DISCONNECT]	UHL	UHL2X	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 2	UHL	UHL2X	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 2 [DISCONNECT] (USOC=UHL2X)	UHL	SOMAN	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 2 (USOC=UHL2X)	UHL	SOMAN	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 2 [DISCONNECT]	UHL	UHL2X	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 3	UHL	UHL2X	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 3 [DISCONNECT] (USOC=UHL2X)	UHL	SOMAN	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 3 (USOC=UHL2X)	UHL	SOMAN	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop including manual service inquiry & facility reservation - Zone 3 [DISCONNECT]	UHL	UHL2X	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1	UHL	UHL2W	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1 [DISCONNECT] (USOC=UHL2W)	UHL	SOMAN	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1 (USOC=UHL2W)	UHL	SOMAN	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UHL	UHL2W	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2	UHL	UHL2W	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2 [DISCONNECT] (USOC=UHL2W)	UHL	SOMAN	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2 (USOC=UHL2W)	UHL	SOMAN	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UHL	UHL2W	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3	UHL	UHL2W	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3 [DISCONNECT] (USOC=UHL2W)	UHL	SOMAN	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3 (USOC=UHL2W)	UHL	SOMAN	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UHL	UHL2W	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4 Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 1	UHL	UHL4X	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4 Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 1 [DISCONNECT] (USOC=UHL4X)	UHL	SOMAN	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4 Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 1 (USOC=UHL4X)	UHL	SOMAN	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4 Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UHL	UHL4X	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 2	UHL	UHL4X	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 2 [DISCONNECT] (USOC=UHL4X)	UHL	SOMAN	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 2 (USOC=UHL4X)	UHL	SOMAN	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UHL	UHL4X	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 3	UHL	UHL4X	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 3 [DISCONNECT] (USOC=UHL4X)	UHL	SOMAN	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 3 (USOC=UHL4X)	UHL	SOMAN	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop including manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UHL	UHL4X	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1	UHL	UHL4W	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1 [DISCONNECT] (USOC=UHL4W)	UHL	SOMAN	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1 (USOC=UHL4W)	UHL	SOMAN	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UHL	UHL4W	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2	UHL	UHL4W	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2 [DISCONNECT] (USOC=UHL4W)	UHL	SOMAN	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2 (USOC=UHL4W)	UHL	SOMAN	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UHL	UHL4W	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3	UHL	UHL4W	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3 [DISCONNECT] (USOC=UHL4W)	UHL	SOMAN	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3 (USOC=UHL4W)	UHL	SOMAN	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Unbundled HDSL Loop without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UHL	UHL4W	3
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 1	USL	USLXX	1
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 1 [DISCONNECT] (USOC=USLXX)	USL	SOMAN	1
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 1 (USOC=USLXX)	USL	SOMAN	1
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 1 [DISCONNECT]	USL	USLXX	1
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 2	USL	USLXX	2
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 2 [DISCONNECT] (USOC=USLXX)	USL	SOMAN	2
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 2 (USOC=USLXX)	USL	SOMAN	2
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 2 [DISCONNECT]	USL	USLXX	2
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 3	USL	USLXX	3
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 3 [DISCONNECT] (USOC=USLXX)	USL	SOMAN	3
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 3 (USOC=USLXX)	USL	SOMAN	3
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Zone 3 [DISCONNECT]	USL	USLXX	3
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS1)	USL	URES	
13	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS1)	USL	URESP	
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 1	UCL	UCLPB	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 1 [DISCONNECT] (USOC=UCLPB)	UCL	SOMAN	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 1 (USOC=UCLPB)	UCL	SOMAN	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 1 [DISCONNECT]	UCL	UCLPB	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 2	UCL	UCLPB	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 2 [DISCONNECT] (USOC=UCLPB)	UCL	SOMAN	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 2 (USOC=UCLPB)	UCL	SOMAN	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 2 [DISCONNECT]	UCL	UCLPB	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 3	UCL	UCLPB	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 3 [DISCONNECT] (USOC=UCLPB)	UCL	SOMAN	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 3 (USOC=UCLPB)	UCL	SOMAN	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2 Wire Unbundled Copper Loop-Designed including manual service inquiry & facility reservation - Zone 3 [DISCONNECT]	UCL	UCLPB	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1	UCL	UCLPW	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1 [DISCONNECT] (USOC=UCLPW)	UCL	SOMAN	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1 (USOC=UCLPW)	UCL	SOMAN	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UCL	UCLPW	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2	UCL	UCLPW	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2 [DISCONNECT] (USOC=UCLPW)	UCL	SOMAN	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2 (USOC=UCLPW)	UCL	SOMAN	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UCL	UCLPW	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3	UCL	UCLPW	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3 [DISCONNECT] (USOC=UCLPW)	UCL	SOMAN	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3 (USOC=UCLPW)	UCL	SOMAN	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UCL	UCLPW	3
15	TN	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Unbundled Copper Loop - Order Coordination for Unbundled Copper Loops (per loop)	UCL	UCLMC	
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 1	UCL	UCL4S	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 1 [DISCONNECT] (USOC=UCL4S)	UCL	SOMAN	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 1 (USOC=UCL4S)	UCL	SOMAN	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UCL	UCL4S	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 2	UCL	UCL4S	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 2 [DISCONNECT] (USOC=UCL4S)	UCL	SOMAN	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 2 (USOC=UCL4S)	UCL	SOMAN	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UCL	UCL4S	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 3	UCL	UCL4S	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 3 [DISCONNECT] (USOC=UCL4S)	UCL	SOMAN	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 3 (USOC=UCL4S)	UCL	SOMAN	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed including manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UCL	UCL4S	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1	UCL	UCL4W	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1 [DISCONNECT] (USOC=UCL4W)	UCL	SOMAN	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1 (USOC=UCL4W)	UCL	SOMAN	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 1 [DISCONNECT]	UCL	UCL4W	1
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2	UCL	UCL4W	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2 [DISCONNECT] (USOC=UCL4W)	UCL	SOMAN	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2 (USOC=UCL4W)	UCL	SOMAN	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 2 [DISCONNECT]	UCL	UCL4W	2
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3	UCL	UCL4W	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3 [DISCONNECT] (USOC=UCL4W)	UCL	SOMAN	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3 (USOC=UCL4W)	UCL	SOMAN	3
14	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop-Designed without manual service inquiry and facility reservation - Zone 3 [DISCONNECT]	UCL	UCL4W	3
15	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop - Order Coordination for Unbundled Copper Loops (per loop)	UCL	UCLMC	
15	TN	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Copper Loop - Order Coordination for Specified Conversion Time (per LSR)	UEA, UDN, UAL, UHL, UDL, USL	OCOSL	
13	TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1	NTCVG	UEAL2	1
13	TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAL2	1
13	TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2	NTCVG	UEAL2	2
13	TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAL2	2
13	TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3	NTCVG	UEAL2	3
13	TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Loop or Ground Start Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAL2	3
13	TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1	NTCVG	UEAR2	1
13	TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 1 [DISCONNECT]	NTCVG	UEAR2	1
13	TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2	NTCVG	UEAR2	2
13	TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 2 [DISCONNECT]	NTCVG	UEAR2	2
13	TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3	NTCVG	UEAR2	3
13	TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Service Level 2 w/Reverse Battery Signaling - Zone 3 [DISCONNECT]	NTCVG	UEAR2	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES	
13	TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
13	TN	UNE LOOP COMMINGLING	2-Wire Analog Voice Grade Loop - Loop Tagging - Service Level 2 (SL2)	NTCVG	URETL	
13	TN	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1	NTCVG	UEAL4	1
13	TN	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	NTCVG	UEAL4	1
13	TN	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2	NTCVG	UEAL4	2
13	TN	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	NTCVG	UEAL4	2
13	TN	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3	NTCVG	UEAL4	3
13	TN	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	NTCVG	UEAL4	3
13	TN	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCVG	URES	
13	TN	UNE LOOP COMMINGLING	4-Wire Analog Voice Grade Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCVG	URESP	
13	TN	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 1	NTCD1	USLXX	1
13	TN	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 1 [DISCONNECT]	NTCD1	USLXX	1
13	TN	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 2	NTCD1	USLXX	2
13	TN	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 2 [DISCONNECT]	NTCD1	USLXX	2
13	TN	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 3	NTCD1	USLXX	3
13	TN	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Zone 3 [DISCONNECT]	NTCD1	USLXX	3
13	TN	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS1)	NTCD1	URES	
13	TN	UNE LOOP COMMINGLING	4-Wire DS1 Digital Loop - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS1)	NTCD1	URESP	
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 1	NTCUD	UDL2X	1
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL2X	1
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 2	NTCUD	UDL2X	2
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL2X	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone3	NTCUD	UDL2X	3
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 2.4 Kbps - Zone3 [DISCONNECT]	NTCUD	UDL2X	3
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 1	NTCUD	UDL4X	1
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL4X	1
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 2	NTCUD	UDL4X	2
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL4X	2
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 3	NTCUD	UDL4X	3
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 4.8 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL4X	3
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 1	NTCUD	UDL9X	1
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL9X	1
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 2	NTCUD	UDL9X	2
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL9X	2
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 3	NTCUD	UDL9X	3
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 9.6 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL9X	3
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 1	NTCUD	UDL19	1
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL19	1
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 2	NTCUD	UDL19	2
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL19	2
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 3	NTCUD	UDL19	3
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital 19.2 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL19	3
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 1	NTCUD	UDL56	1
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL56	1
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 2	NTCUD	UDL56	2
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL56	2
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 3	NTCUD	UDL56	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 56 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL56	3
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 1	NTCUD	UDL64	1
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 1 [DISCONNECT]	NTCUD	UDL64	1
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 2	NTCUD	UDL64	2
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 2 [DISCONNECT]	NTCUD	UDL64	2
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 3	NTCUD	UDL64	3
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 64 Kbps - Zone 3 [DISCONNECT]	NTCUD	UDL64	3
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 19.2, 56 or 64 Kbps - Switch-As-Is Conversion rate per UNE Loop, Single LSR, (per DS0)	NTCUD	URES	
13	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 19.2, 56 or 64 Kbps - Switch-As-Is Conversion rate per UNE Loop, Spreadsheet, (per DS0)	NTCUD	URESP	
15	TN	UNE LOOP COMMINGLING	4 Wire Unbundled Digital Loop 19.2, 56 or 64 Kbps - Order Coordination for Specified Conversion Time (per LSR)	NTCVG, NTCUD, NTCDD1	OCOSL	
13	TN	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Basic Time, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTCDD1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULDVX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVB	
13	TN	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Overtime, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTCDD1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULDVX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVOT	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	TN	MAINTENANCE OF SERVICE	Maintenance of Service Charge, Premium, per half hour	UDC, UEA, UDL, UDN, USL, UAL, UHL, UCL, NTCVG, NTCUD, NTC1, U1TD1, U1TD3, U1TDX, U1TS1, U1TVX, UDF, UDFCX, UDLSX, UE3, ULDD1, ULDD3, ULDDX, ULDS1, ULVDX, UNC1X, UNC3X, UNCDX, UNCSX, UNCVX, ULS	MVVPT	
14	TN	LOOP MODIFICATION	Unbundled Loop Modification, Removal of Load Coils - 2 Wire pair less than or equal to 18k ft, per Unbundled Loop	UAL, UHL, UCL, UEQ, ULS, UEA, UEANL, UEPSR, UEPSB	ULM2L	
14	TN	LOOP MODIFICATION	Unbundled Loop Modification Removal of Load Coils - 4 Wire less than or equal to 18K ft, per Unbundled Loop	UHL, UCL, UEA	ULM4L	
14	TN	LOOP MODIFICATION	Unbundled Loop Modification Removal of Bridged Tap Removal, per unbundled loop	UAL, UHL, UCL, UEQ, ULS, UEA, UEANL, UEPSR, UEPSB	ULMBT	
13MR-SL	TN	SUB-LOOPS	Sub-Loop - Per Cross Box Location - CLEC Feeder Facility Set-Up	UEANL, UEF	USBSA	
13MR-SL	TN	SUB-LOOPS	Sub-Loop - Per Cross Box Location - CLEC Feeder Facility Set-Up [DISCONNECT] (USOC=USBSA)	UEANL, UEF	SOMAN	
13MR-SL	TN	SUB-LOOPS	Sub-Loop - Per Cross Box Location - CLEC Feeder Facility Set-Up (USOC=USBSA)	UEANL, UEF	SOMAN	
13MR-SL	TN	SUB-LOOPS	Sub-Loop - Per Cross Box Location - Per 25 Pair Panel Set-Up	UEANL, UEF	USBSB	
13MR-SL	TN	SUB-LOOPS	Sub-Loop - Per Cross Box Location - Per 25 Pair Panel Set-Up [DISCONNECT] (USOC=USBSB)	UEANL, UEF	SOMAN	
13MR-SL	TN	SUB-LOOPS	Sub-Loop - Per Cross Box Location - Per 25 Pair Panel Set-Up (USOC=USBSB)	UEANL, UEF	SOMAN	
13MR-SL	TN	SUB-LOOPS	Sub-Loop - Per Building Equipment Room - CLEC Feeder Facility Set-Up	UEANL	USBSC	
13MR-SL	TN	SUB-LOOPS	Sub-Loop - Per Building Equipment Room - CLEC Feeder Facility Set-Up [DISCONNECT] (USOC=USBSC)	UEANL	SOMAN	
13MR-SL	TN	SUB-LOOPS	Sub-Loop - Per Building Equipment Room - CLEC Feeder Facility Set-Up (USOC=USBSC)	UEANL	SOMAN	
13MR-SL	TN	SUB-LOOPS	Sub-Loop - Per Building Equipment Room - Per 25 Pair Panel Set-Up	UEANL	USBSD	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	TN	SUB-LOOPS	Sub-Loop - Per Building Equipment Room - Per 25 Pair Panel Set-Up [DISCONNECT] (USOC=USBSD)	UEANL	SOMAN	
13MR-SL	TN	SUB-LOOPS	Sub-Loop - Per Building Equipment Room - Per 25 Pair Panel Set-Up (USOC=USBSD)	UEANL	SOMAN	
13MR-SL	TN	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Statewide	UEANL	USBN2	
13MR-SL	TN	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Statewide [DISCONNECT] (USOC=USBN2)	UEANL	SOMAN	
13MR-SL	TN	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Statewide (USOC=USBN2)	UEANL	SOMAN	
13MR-SL	TN	SUB-LOOPS	Sub-Loop Distribution Per 2-Wire Analog Voice Grade Loop - Statewide [DISCONNECT]	UEANL	USBN2	
13	TN	SUB-LOOPS	Order Coordination for Unbundled Sub-Loops, per sub-loop pair	UEANL	USBMC	
13MR-SL	TN	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 1	UEANL	USBN4	1
13MR-SL	TN	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT] (USOC=USBN4)	UEANL	SOMAN	1
13MR-SL	TN	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 1 (USOC=USBN4)	UEANL	SOMAN	1
13MR-SL	TN	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 1 [DISCONNECT]	UEANL	USBN4	1
13MR-SL	TN	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 2	UEANL	USBN4	2
13MR-SL	TN	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT] (USOC=USBN4)	UEANL	SOMAN	2
13MR-SL	TN	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 2 (USOC=USBN4)	UEANL	SOMAN	2
13MR-SL	TN	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 2 [DISCONNECT]	UEANL	USBN4	2
13MR-SL	TN	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 3	UEANL	USBN4	3
13MR-SL	TN	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT] (USOC=USBN4)	UEANL	SOMAN	3
13MR-SL	TN	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 3 (USOC=USBN4)	UEANL	SOMAN	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	TN	SUB-LOOPS	Sub-Loop Distribution Per 4-Wire Analog Voice Grade Loop - Zone 3 [DISCONNECT]	UEANL	USBN4	3
13MR-SL	TN	SUB-LOOPS	Sub-Loop 2-Wire Intrabuilding Network Cable (INC)	UEANL	USBR2	
13MR-SL	TN	SUB-LOOPS	Sub-Loop 2-Wire Intrabuilding Network Cable (INC) [DISCONNECT] (USOC=USBR2)	UEANL	SOMAN	
13MR-SL	TN	SUB-LOOPS	Sub-Loop 2-Wire Intrabuilding Network Cable (INC) (USOC=USBR2)	UEANL	SOMAN	
13MR-SL	TN	SUB-LOOPS	Sub-Loop 4-Wire Intrabuilding Network Cable (INC)	UEANL	USBR4	
13MR-SL	TN	SUB-LOOPS	Sub-Loop 4-Wire Intrabuilding Network Cable (INC) [DISCONNECT] (USOC=USBR4)	UEANL	SOMAN	
13MR-SL	TN	SUB-LOOPS	Sub-Loop 4-Wire Intrabuilding Network Cable (INC) (USOC=USBR4)	UEANL	SOMAN	
13MR-SL	TN	SUB-LOOPS	Loop Testing - Basic 1st Half Hour	UEANL	URET1	
13MR-SL	TN	SUB-LOOPS	Loop Testing - Basic Additional Half Hour	UEANL	URETA	
13MR-SL	TN	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 1	UEF	UCS2X	1
13MR-SL	TN	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 1 [DISCONNECT] (USOC=UCS2X)	UEF	SOMAN	1
13MR-SL	TN	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 1 (USOC=UCS2X)	UEF	SOMAN	1
13MR-SL	TN	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 1 [DISCONNECT]	UEF	UCS2X	1
13MR-SL	TN	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 2	UEF	UCS2X	2
13MR-SL	TN	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 2 [DISCONNECT] (USOC=UCS2X)	UEF	SOMAN	2
13MR-SL	TN	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 2 (USOC=UCS2X)	UEF	SOMAN	2
13MR-SL	TN	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 2 [DISCONNECT]	UEF	UCS2X	2
13MR-SL	TN	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 3	UEF	UCS2X	3
13MR-SL	TN	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 3 [DISCONNECT] (USOC=UCS2X)	UEF	SOMAN	3
13MR-SL	TN	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 3 (USOC=UCS2X)	UEF	SOMAN	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	TN	SUB-LOOPS	2 Wire Copper Unbundled Sub-Loop Distribution - Zone 3 [DISCONNECT]	UEF	UCS2X	3
13	TN	SUB-LOOPS	Order Coordination for Unbundled Sub-Loops, per sub-loop pair	UEF	USBMC	
13MR-SL	TN	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 1	UEF	UCS4X	1
13MR-SL	TN	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 1 [DISCONNECT] (USOC=UCS4X)	UEF	SOMAN	1
13MR-SL	TN	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 1 (USOC=UCS4X)	UEF	SOMAN	1
13MR-SL	TN	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 1 [DISCONNECT]	UEF	UCS4X	1
13MR-SL	TN	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 2	UEF	UCS4X	2
13MR-SL	TN	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 2 [DISCONNECT] (USOC=UCS4X)	UEF	SOMAN	2
13MR-SL	TN	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 2 (USOC=UCS4X)	UEF	SOMAN	2
13MR-SL	TN	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 2 [DISCONNECT]	UEF	UCS4X	2
13MR-SL	TN	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 3	UEF	UCS4X	3
13MR-SL	TN	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 3 [DISCONNECT] (USOC=UCS4X)	UEF	SOMAN	3
13MR-SL	TN	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 3 (USOC=UCS4X)	UEF	SOMAN	3
13MR-SL	TN	SUB-LOOPS	4 Wire Copper Unbundled Sub-Loop Distribution - Zone 3 [DISCONNECT]	UEF	UCS4X	3
13MR-SL	TN	SUB-LOOPS	Loop Tagging Service Level 1, Unbundled Copper Loop, Non-Designed and Distribution Subloops	UEF, UEANL	URETL	
13MR-SL	TN	SUB-LOOPS	Loop Testing - Basic 1st Half Hour	UEF	URET1	
13MR-SL	TN	SUB-LOOPS	Loop Testing - Basic Additional Half Hour	UEF	URETA	
13	TN	SUB-LOOPS	Unbundled Sub-Loop Modification - 2-W Copper Dist Load Coil/Equip Removal per 2-W PR	UEF	ULM2X	
13	TN	SUB-LOOPS	Unbundled Sub-loop Modification - 4-W Copper Dist Load Coil/Equip Removal per 4-W PR	UEF	ULM4X	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	TN	SUB-LOOPS	Unbundled Loop Modification, Removal of Bridge Tap, per unbundled loop	UEF	ULMBT	
13MR-SL	TN	SUB-LOOPS	Unbundled Network Terminating Wire (UNTW) per Pair	UENTW	UENPP	
13MR-SL	TN	SUB-LOOPS	Unbundled Network Terminating Wire (UNTW) per Pair [DISCONNECT] (USOC=UENPP)	UENTW	SOMAN	
13MR-SL	TN	SUB-LOOPS	Unbundled Network Terminating Wire (UNTW) per Pair (USOC=UENPP)	UENTW	SOMAN	
13MR-SL	TN	SUB-LOOPS	Unbundled Network Terminating Wire (UNTW) per Pair [DISCONNECT]	UENTW	UENPP	
13	TN	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-2 lines	UENTW	UND12	
13	TN	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-2 lines [DISCONNECT] (USOC=UND12)	UENTW	SOMAN	
13	TN	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-2 lines (USOC=UND12)	UENTW	SOMAN	
13	TN	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-2 lines [DISCONNECT]	UENTW	UND12	
13	TN	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-6 lines	UENTW	UND16	
13	TN	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-6 lines [DISCONNECT] (USOC=UND16)	UENTW	SOMAN	
13	TN	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-6 lines (USOC=UND16)	UENTW	SOMAN	
13	TN	ADDITIONAL NETWORK ELEMENTS	Network Interface Device (NID) - 1-6 lines [DISCONNECT]	UENTW	UND16	
13	TN	ADDITIONAL NETWORK ELEMENTS	Network Interface Device Cross Connect - 2 W	UENTW	UNDC2	
13	TN	ADDITIONAL NETWORK ELEMENTS	Network Interface Device Cross Connect - 2 W [DISCONNECT] (USOC=UNDC2)	UENTW	SOMAN	
13	TN	ADDITIONAL NETWORK ELEMENTS	Network Interface Device Cross Connect - 2 W (USOC=UNDC2)	UENTW	SOMAN	
13	TN	ADDITIONAL NETWORK ELEMENTS	Network Interface Device Cross Connect - 4W	UENTW	UNDC4	
13	TN	ADDITIONAL NETWORK ELEMENTS	Network Interface Device Cross Connect - 4W [DISCONNECT] (USOC=UNDC4)	UENTW	SOMAN	
13	TN	ADDITIONAL NETWORK ELEMENTS	Network Interface Device Cross Connect - 4W (USOC=UNDC4)	UENTW	SOMAN	
13	TN	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled Contact Name, Provisioning Only - no rate	UAL, UCL, UDC, UDL, UDN, UEA, UHL, UEANL, UEF, UEQ, UENTW, NTCVG, NTCUD, NTCU1, USL	UNECN	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	TN	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled DS1 Loop - Superframe Format Option - no rate	USL, NTCD1	CCOSF	
13	TN	UNE OTHER, PROVISIONING ONLY - NO RATE	Unbundled DS1 Loop - Expanded Superframe Format option - no rate	USL, NTCD1	CCOEF	
13	TN	UNE OTHER, PROVISIONING ONLY - NO RATE	NID - Dispatch and Service Order for NID installation	UENTW	UNDBX	
13MR-SL	TN	UNE OTHER, PROVISIONING ONLY - NO RATE	UNTW Circuit Establishment, Provisioning Only - No Rate	UENTW	UENCE	
14	TN	LOOP MAKE-UP	Loop Makeup - Preordering Without Reservation, per working or spare facility queried (Manual).	UMK	UMKLW	
14	TN	LOOP MAKE-UP	Loop Makeup - Preordering Without Reservation, per working or spare facility queried (Manual). [DISCONNECT] (USOC=UMKLW)	UMK	SOMAN	
14	TN	LOOP MAKE-UP	Loop Makeup - Preordering Without Reservation, per working or spare facility queried (Manual). (USOC=UMKLW)	UMK	SOMAN	
14	TN	LOOP MAKE-UP	Loop Makeup - Preordering With Reservation, per spare facility queried (Manual).	UMK	UMKLP	
14	TN	LOOP MAKE-UP	Loop Makeup - Preordering With Reservation, per spare facility queried (Manual). [DISCONNECT] (USOC=UMKLP)	UMK	SOMAN	
14	TN	LOOP MAKE-UP	Loop Makeup - Preordering With Reservation, per spare facility queried (Manual). (USOC=UMKLP)	UMK	SOMAN	
14	TN	LOOP MAKE-UP	Loop Makeup--With or Without Reservation, per working or spare facility queried (Mechanized)	UMK	UMKMQ	
14	TN	LOOP MAKE-UP	Loop Makeup--With or Without Reservation, per working or spare facility queried (Mechanized) [DISCONNECT] (USOC=UMKMQ)	UMK	SOMAN	
14	TN	LOOP MAKE-UP	Loop Makeup--With or Without Reservation, per working or spare facility queried (Mechanized) (USOC=UMKMQ)	UMK	SOMAN	
14R-LS	TN	LINE SPLITTING	End User Ordering - Central Office Based - Line Splitting - per line activation DLEC owned splitter	UEPSR, UEPSB	UREOS	
14R-LS	TN	LINE SPLITTING	End User Ordering - Remote Site Shared Loop Line Activation for End Users - CLEC Owned Splitter	UEPSR, UEPSB	URERS	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14R-LS	TN	LINE SPLITTING	End User Ordering - Remote Site Shared Loop Line Activation for End Users - CLEC Owned Splitter [DISCONNECT] (USOC=URERS)	UEPSR, UEPSB	SOMAN	
14R-LS	TN	LINE SPLITTING	End User Ordering - Remote Site Shared Loop Line Activation for End Users - CLEC Owned Splitter (USOC=URERS)	UEPSR, UEPSB	SOMAN	
14R-LS	TN	LINE SPLITTING	End User Ordering - Remote Site Shared Loop Line Activation for End Users - CLEC Owned Splitter [DISCONNECT]	UEPSR, UEPSB	URERS	
14R-LS	TN	LINE SPLITTING	End User Ordering - Remote Site Shared Loop - Subsequent Activity - CLEC Owned Splitter	UEPSR, UEPSB	URERA	
14R-LS	TN	LINE SPLITTING	End User Ordering - Remote Site Shared Loop - Subsequent Activity - CLEC Owned Splitter [DISCONNECT] (USOC=URERA)	UEPSR, UEPSB	SOMAN	
14R-LS	TN	LINE SPLITTING	End User Ordering - Remote Site Shared Loop - Subsequent Activity - CLEC Owned Splitter (USOC=URERA)	UEPSR, UEPSB	SOMAN	
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1	UEPSR, UEPSB	UEALS	1
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1 [DISCONNECT] (USOC=UEALS)	UEPSR, UEPSB	SOMAN	1
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1 (USOC=UEALS)	UEPSR, UEPSB	SOMAN	1
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1 [DISCONNECT]	UEPSR, UEPSB	UEALS	1
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1	UEPSR, UEPSB	UEABS	1
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1 [DISCONNECT] (USOC=UEABS)	UEPSR, UEPSB	SOMAN	1

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1 (USOC=UEABS)	UEPSR, UEPSB	SOMAN	1
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting- Zone 1 [DISCONNECT]	UEPSR, UEPSB	UEABS	1
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2	UEPSR, UEPSB	UEALS	2
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2 [DISCONNECT] (USOC=UEALS)	UEPSR, UEPSB	SOMAN	2
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2 (USOC=UEALS)	UEPSR, UEPSB	SOMAN	2
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2 [DISCONNECT]	UEPSR, UEPSB	UEALS	2
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2	UEPSR, UEPSB	UEABS	2
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2 [DISCONNECT] (USOC=UEABS)	UEPSR, UEPSB	SOMAN	2
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2 (USOC=UEABS)	UEPSR, UEPSB	SOMAN	2
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop- Service Level 1-Line Splitting-Zone 2 [DISCONNECT]	UEPSR, UEPSB	UEABS	2
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3	UEPSR, UEPSB	UEALS	3
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3 [DISCONNECT] (USOC=UEALS)	UEPSR, UEPSB	SOMAN	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3 (USOC=UEALS)	UEPSR, UEPSB	SOMAN	3
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3 [DISCONNECT]	UEPSR, UEPSB	UEALS	3
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3	UEPSR, UEPSB	UEABS	3
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3 [DISCONNECT] (USOC=UEABS)	UEPSR, UEPSB	SOMAN	3
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3 (USOC=UEABS)	UEPSR, UEPSB	SOMAN	3
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - 2 Wire Analog Voice Grade Loop-Service Level 1-Line Splitting-Zone 3 [DISCONNECT]	UEPSR, UEPSB	UEABS	3
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - Physical Collocation-2 Wire Cross Connects (Loop) for Line Splitting	UEPSR, UEPSB	PE1LS	
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - Physical Collocation-2 Wire Cross Connects (Loop) for Line Splitting [DISCONNECT] (USOC=PE1LS)	UEPSR, UEPSB	SOMAN	
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - Physical Collocation-2 Wire Cross Connects (Loop) for Line Splitting (USOC=PE1LS)	UEPSR, UEPSB	SOMAN	
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - Physical Collocation-2 Wire Cross Connects (Loop) for Line Splitting [DISCONNECT]	UEPSR, UEPSB	PE1LS	
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - Virtual Collocation-2 Wire Cross Connects (Loop) for Line Splitting	UEPSR, UEPSB	VE1LS	
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - Virtual Collocation-2 Wire Cross Connects (Loop) for Line Splitting [DISCONNECT] (USOC=VE1LS)	UEPSR, UEPSB	SOMAN	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - Virtual Collocation-2 Wire Cross Connects (Loop) for Line Splitting (USOC=VE1LS)	UEPSR, UEPSB	SOMAN	
14R-LS	TN	LINE SPLITTING	Unbundled Exchange Access Loop - Virtual Collocation-2 Wire Cross Connects (Loop) for Line Splitting [DISCONNECT]	UEPSR, UEPSB	VE1LS	
13	TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS1 - per mile	U1TD1	1L5XX	
13	TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1	
13	TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS1 - Facility Termination [DISCONNECT] (USOC=U1TF1)	U1TD1	SOMAN	
13	TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS1 - Facility Termination (USOC=U1TF1)	U1TD1	SOMAN	
13	TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS1 - Facility Termination [DISCONNECT]	U1TD1	U1TF1	
13	TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS3 - per mile	U1TD3	1L5XX	
13	TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3	
13	TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS3 - Facility Termination [DISCONNECT] (USOC=U1TF3)	U1TD3	SOMAN	
13	TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS3 - Facility Termination (USOC=U1TF3)	U1TD3	SOMAN	
13	TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS3 - Facility Termination [DISCONNECT]	U1TD3	U1TF3	
13	TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone or in Combination - Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof	UDF	1L5DF	
13	TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone or in Combination - Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof	UDF	UDF14	
13	TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone or in Combination - Dark Fiber - Interoffice Transport, Per Four Fiber Strands, Per Route Mile Or Fraction Thereof [DISCONNECT]	UDF	UDF14	
13	TN	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - per mile	UE3	1L5ND	
13	TN	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination	UE3	UE3PX	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	TN	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination [DISCONNECT] (USOC=UE3PX)	UE3	SOMAN	
13	TN	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination (USOC=UE3PX)	UE3	SOMAN	
13	TN	HIGH CAPACITY UNBUNDLED LOCAL LOOP	Stand Alone - DS3 Unbundled Local Loop - Facility Termination [DISCONNECT]	UE3	UE3PX	
13	TN	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1	UNCVX	UEAL4	1
13	TN	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1 (USOC=UEAL4)	UNCVX	SOMAN	1
13	TN	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 1 [DISCONNECT]	UNCVX	UEAL4	1
13	TN	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2	UNCVX	UEAL4	2
13	TN	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2 (USOC=UEAL4)	UNCVX	SOMAN	2
13	TN	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 2 [DISCONNECT]	UNCVX	UEAL4	2
13	TN	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3	UNCVX	UEAL4	3
13	TN	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3 (USOC=UEAL4)	UNCVX	SOMAN	3
13	TN	ENHANCED EXTENDED LINK (EELs)	4-Wire Analog Voice Grade Loop in Combination - Zone 3 [DISCONNECT]	UNCVX	UEAL4	3
13	TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1	UNC1X	USLXX	1
13	TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1 [DISCONNECT] (USOC=USLXX)	UNC1X	SOMAN	1
13	TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1 (USOC=USLXX)	UNC1X	SOMAN	1
13	TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 1 [DISCONNECT]	UNC1X	USLXX	1
13	TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2	UNC1X	USLXX	2
13	TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2 [DISCONNECT] (USOC=USLXX)	UNC1X	SOMAN	2
13	TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2 (USOC=USLXX)	UNC1X	SOMAN	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 2 [DISCONNECT]	UNC1X	USLXX	2
13	TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3	UNC1X	USLXX	3
13	TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3 [DISCONNECT] (USOC=USLXX)	UNC1X	SOMAN	3
13	TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3 (USOC=USLXX)	UNC1X	SOMAN	3
13	TN	ENHANCED EXTENDED LINK (EELs)	4-Wire DS1 Digital Loop in Combination - Zone 3 [DISCONNECT]	UNC1X	USLXX	3
13	TN	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - per mile	UNC3X	1L5ND	
13	TN	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination	UNC3X	UE3PX	
13	TN	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination [DISCONNECT] (USOC=UE3PX)	UNC3X	SOMAN	
13	TN	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination (USOC=UE3PX)	UNC3X	SOMAN	
13	TN	ENHANCED EXTENDED LINK (EELs)	DS3 Local Loop in combination - Facility Termination [DISCONNECT]	UNC3X	UE3PX	
13	TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 - per mile	UNC1X	1L5XX	
13	TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination	UNC1X	U1TF1	
13	TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination [DISCONNECT] (USOC=U1TF1)	UNC1X	SOMAN	
13	TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination (USOC=U1TF1)	UNC1X	SOMAN	
13	TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS1 Facility Termination [DISCONNECT]	UNC1X	U1TF1	
13	TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - per mile	UNC3X	1L5XX	
13	TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination	UNC3X	U1TF3	
13	TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination [DISCONNECT] (USOC=U1TF3)	UNC3X	SOMAN	
13	TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination (USOC=U1TF3)	UNC3X	SOMAN	
13	TN	ENHANCED EXTENDED LINK (EELs)	Interoffice Channel in combination - DS3 - Facility Termination [DISCONNECT]	UNC3X	U1TF3	
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Extended Frame Option - per DS1	U1TD1, UNC1X	CCOEF	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Extended Frame Option - per DS1 [DISCONNECT]	U1TD1, UNC1X	CCOEF	
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Super FrameOption - per DS1	U1TD1, UNC1X	CCOSF	
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability Super FrameOption - per DS1 [DISCONNECT]	U1TD1, UNC1X	CCOSF	
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability (SF/ESF) Option - Subsequent Activity - per DS1	U1TD1, UNC1X, USL	NRCCC	
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Clear Channel Capability (SF/ESF) Option - Subsequent Activity - per DS1 [DISCONNECT]	U1TD1, UNC1X, USL	NRCCC	
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: C-bit Parity Option - Subsequent Activity - per DS3	U1TD3, UE3, UNC3X	NRCC3	
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: C-bit Parity Option - Subsequent Activity - per DS3 [DISCONNECT]	U1TD3, UE3, UNC3X	NRCC3	
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1/DS0 Channel System	UNC1X	MQ1	
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1/DS0 Channel System [DISCONNECT]	UNC1X	MQ1	
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS3/DS1Channel System	UNC3X	MQ3	
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS3/DS1Channel System [DISCONNECT] (USOC=MQ3)	UNC3X	SOMAN	
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS3/DS1Channel System (USOC=MQ3)	UNC3X	SOMAN	
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS3/DS1Channel System [DISCONNECT]	UNC3X	MQ3	
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Voice Grade COCI in combination	UNCVX	1D1VG	
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Voice Grade COCI - for 2W-SL2 & 4W Voice Grade Local Loop	UEA	1D1VG	
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI in combination	UNC1X	UC1D1	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI in combination [DISCONNECT] (USOC=UC1D1)	UNC1X	SOMAN	
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI in combination (USOC=UC1D1)	UNC1X	SOMAN	
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI - for Stand Alone Interoffice Channel	U1TD1	UC1D1	
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: DS1 COCI - for DS1 Local Loop	USL, NTCDD1	UC1D1	
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Wholesale - UNE, Switch-As-Is Conversion Charge	UNCVX, UNC1X, UNC3X, XDH1X, HFQC6, XDD2X, XDV6X	UNCCC	
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Wholesale - UNE, Switch-As-Is Conversion Charge [DISCONNECT]	UNCVX, UNC1X, UNC3X, XDH1X, HFQC6, XDD2X, XDV6X	UNCCC	
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Unbundled Misc Rate Element, SNE SAI, Single Network Element - Switch As Is Non-recurring Charge, per circuit (LSR)	U1TVX, U1TD3, UDF, UE3	URES	
13	TN	ADDITIONAL NETWORK ELEMENTS	Optional Features & Functions: Unbundled Misc Rate Element, SNE SAI, Single Network Element - Switch As Is Non-recurring Charge, incremental charge per circuit on a spreadsheet	U1TVX, U1TD3, UDF, UE3	URESP	
13	TN	ADDITIONAL NETWORK ELEMENTS	Service Rearrangements - NRC - Order Coordination Specific Time - Dedicated Transport	UNC1X, UNC3X	OCOSR	
13	TN	COMMINGLING	Commingling Authorization	UNCVX, UNC1X, UNC3X, U1TD3, UE3, U1TVX	CMGAU	
13	TN	COMMINGLING	Commingling Authorization [DISCONNECT]	UNCVX, UNC1X, UNC3X, U1TD3, UE3, U1TVX	CMGAU	
13	TN	COMMINGLING	Commingled VG COCI	XDV2X	1D1VG	
13	TN	COMMINGLING	Commingled 4-wire Local Loop Zone 1	XDV6X	UEAL4	1
13	TN	COMMINGLING	Commingled 4-wire Local Loop Zone 1 [DISCONNECT]	XDV6X	UEAL4	1
13	TN	COMMINGLING	Commingled 4-wire Local Loop Zone 2	XDV6X	UEAL4	2
13	TN	COMMINGLING	Commingled 4-wire Local Loop Zone 2 [DISCONNECT]	XDV6X	UEAL4	2
13	TN	COMMINGLING	Commingled 4-wire Local Loop Zone 3	XDV6X	UEAL4	3
13	TN	COMMINGLING	Commingled 4-wire Local Loop Zone 3 [DISCONNECT]	XDV6X	UEAL4	3
13	TN	COMMINGLING	Commingled DS1 COCI	XDH1X	UC1D1	
13	TN	COMMINGLING	Commingled DS1 Interoffice Channel	XDH1X	U1TF1	
13	TN	COMMINGLING	Commingled DS1 Interoffice Channel [DISCONNECT]	XDH1X	U1TF1	
13	TN	COMMINGLING	Commingled DS1 Interoffice Channel Mileage	XDH1X	1L5XX	
13	TN	COMMINGLING	Commingled DS1/DS0 Channel System	XDH1X	MQ1	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	TN	COMMINGLING	Commingled DS1/DS0 Channel System [DISCONNECT]	XDH1X	MQ1	
13	TN	COMMINGLING	Commingled DS1 Local Loop Zone 1	XDH1X	USLXX	1
13	TN	COMMINGLING	Commingled DS1 Local Loop Zone 1 [DISCONNECT]	XDH1X	USLXX	1
13	TN	COMMINGLING	Commingled DS1 Local Loop Zone 2	XDH1X	USLXX	2
13	TN	COMMINGLING	Commingled DS1 Local Loop Zone 2 [DISCONNECT]	XDH1X	USLXX	2
13	TN	COMMINGLING	Commingled DS1 Local Loop Zone 3	XDH1X	USLXX	3
13	TN	COMMINGLING	Commingled DS1 Local Loop Zone 3 [DISCONNECT]	XDH1X	USLXX	3
13	TN	COMMINGLING	Commingled DS3 Local Loop	HFQC6	UE3PX	
13	TN	COMMINGLING	Commingled DS3 Local Loop [DISCONNECT]	HFQC6	UE3PX	
13	TN	COMMINGLING	Commingled DS3 Local Loop Mileage	HFQC6	1L5ND	
13	TN	COMMINGLING	Commingled DS3/DS1 Channel System	HFQC6	MQ3	
13	TN	COMMINGLING	Commingled DS3/DS1 Channel System [DISCONNECT]	HFQC6	MQ3	
13	TN	COMMINGLING	Commingled DS3 Interoffice Channel	HFQC6	U1TF3	
13	TN	COMMINGLING	Commingled DS3 Interoffice Channel [DISCONNECT]	HFQC6	U1TF3	
13	TN	COMMINGLING	Commingled DS3 Interoffice Channel Mileage	HFQC6	1L5XX	
13	TN	COMMINGLING	UNE to Commingled Conversion Tracking	XDH1X, HFQC6	CMGUN	
13	TN	COMMINGLING	UNE to Commingled Conversion Tracking [DISCONNECT]	XDH1X, HFQC6	CMGUN	
13	TN	COMMINGLING	SPA to Commingled Conversion Tracking	XDH1X, HFQC6	CMGSP	
13	TN	COMMINGLING	SPA to Commingled Conversion Tracking [DISCONNECT]	XDH1X, HFQC6	CMGSP	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	Disconnect Loop from inside wiring, per NID		NRBND	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 1 (Rural)		U21	1
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 2 (Suburban)		U21	2
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Zone 3 (Urban)		U21	3
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop - Disconnect		NKCT1	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Conditioning for dB loss from 8db to 5db		UL2	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 1 (Rural)		U4H	1
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 2 (Suburban)		U4H	2
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop - Zone 3 (Urban)		U4H	3
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop -Zone 1 (Rural)		U2Q	1
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop - Zone 2 (Suburban)		U2Q	2
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop - Zone 3 (Urban)		U2Q	3
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop - Zone 1 (Rural)		U4D1X	1
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop - Zone 2 (Suburban)		U4D1X	2
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop - Zone 3 (Urban)		U4D1X	3
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop - Disconnect		NKCT2	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Zone 1 (Rural)		U4D3X	1
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Zone 2 (Suburban)		U4D3X	2
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Zone 3 (Urban)		U4D3X	3
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Cross Connect to Collocation		UCXC2	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog Loop Cross Connect to Collocation (without testing)		UCXD2	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Cross Connect to Collocation		UCXC4	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog Loop Cross Connect to Collocation (without testing)		UCXD4	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop Cross Connect to Collocation			
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital Loop Cross Connect to Collocation (without testing)			
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Cross Connect to Collocation	LU1	UCXHX	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 C.O. Cross Connect to Collocation		UCXBX	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	EEL DS1 Loop to Collo/Mux (dff't CO)	EE7MX	UCXHX	
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop - Zone 1 (Rural)		2SLAX	1
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLAX	2
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop - Zone 3 (Urban)		2SLAX	3
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop - Zone 1 (Rural)		2SLCX	1
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLCX	2
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop - Zone 3 (Urban)		2SLCX	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop - Zone 1 (Rural)		2SLBX	1
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLBX	2
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop - Zone 3 (Urban)		2SLBX	3
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop - Zone 1 (Rural)		2SLDX	1
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLDX	2
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop - Zone 3 (Urban)		2SLDX	3
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop - Zone 1 (Rural)		U2F	1
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop - Zone 2 (Suburban)		U2F	2
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop - Zone 3 (Urban)		U2F	3
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop - Zone 1 (Rural)		2SLFX	1
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop - Zone 2 (Suburban)		2SLFX	2
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop - Zone 3 (Urban)		2SLFX	3
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop - Zone 1 (Rural)		4SL1X	1
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop - Zone 2 (Suburban)		4SL1X	2
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop - Zone 3 (Urban)		4SL1X	3
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Capable Loop - Zone 1 (Rural)		UY5FX	1
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Capable Loop - Zone 2 (Suburban)		UY5FX	2
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Capable Loop - Zone 3 (Urban)		UY5FX	3
14	TX	LOOP MAKE-UP	Loop Qualification Process - Mechanized		NR98U	
14	TX	LOOP MAKE-UP	Loop Qualification Process - Manual		NRBXU	
14	TX	LOOP MODIFICATION	DSL Conditioning - Removal of Repeaters		NRBXV	
14	TX	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Repeater (> than 17.5 Kft.same location/same cable)		NRBNL	
14	TX	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Repeater (> than 17.5 Kft.same location/different cable)		NRBNP	
14	TX	LOOP MODIFICATION	DSL Conditioning - Removal of Excessive Bridged Taps and Repeaters		NRBXH	
14	TX	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Excessive Bridged Taps and Repeaters (>than 17.5K same location/same cable)		NRBTV	
14	TX	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Excessive Bridged Taps and Repeaters (>than 17.5K same location/different cable)		NRBTW	
14	TX	LOOP MODIFICATION	DSL Conditioning - Removal of Excessive Bridged Taps		NRBXW	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	TX	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Excessive Bridged Tap (> than 17.5 Kft.same location/same cable)		NRBNK	
14	TX	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Excessive Bridged Tap (> than 17.5 Kft.same location/different cable)		NRBNN	
14	TX	LOOP MODIFICATION	DSL Conditioning - Removal of Excessive Bridged Taps and Load Coils		NRBXF	
14	TX	LOOP MODIFICATION	DSL Conditioning - Incremental Removal of Load Coil & Excessive Bridge Tap (> than 17.5 Kft.same location/same Cable)		NRBM8	
14	TX	LOOP MODIFICATION	DSL Conditioning - Incremental Additional Removal of Load Coil & Excessive Bridge Tap (> than 17.5 Kft.same location/different Cable)		NRBM9	
14	TX	LOOP MODIFICATION	DSL Conditioning - Removal of Load Coils		NRBXZ	
14	TX	LOOP MODIFICATION	RABT - MMP - Incremental Removal of Load Coil (> than 17.5 Kft.same location/same Cable)		NRBNJ	
14	TX	LOOP MODIFICATION	RABT - MMP - Incremental Additional Removal of Load Coil (> than 17.5 Kft.same location/different Cable)		NRBNH	
14	TX	LOOP MODIFICATION	RABT - MMP - Removal of non-excessive bridged tap DSL loops >0Kft. And <17.5Kft.		NRMRJ	
14	TX	LOOP MODIFICATION	RABT - MMP - Removal of All Bridged Tap DSL Loops 12Kft. To 17.5Kft.		NRMRP	
14	TX	LOOP MODIFICATION	RABT - MMP - Removal of non-excessive bridged tap DSL loops >17.5Kft DSL Loops - per element incremental		NRMRS	
14	TX	LOOP MODIFICATION	RABT - MMP - Removal of All Bridged Tap DSL loops >17.5Kft. - per element incremental		NRMRM	
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	DSL Shielded Loop Cross Connect to Collocation		UXRRX	
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire DSL Non-Shielded Cross Connect to Collocation		UCX92	
14	TX	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire DSL Non-Shielded Cross Connect to Collocation		UCX94	
14	TX	LOOP MODIFICATION	LST performed on CODSLAM Loop		URCLD	
13MR-SL	TX	SUB-LOOPS	LST performed on Sub Loop		URCLB	
13MR-SL	TX	SUB-LOOPS	ECS to SAI subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAP	1
13MR-SL	TX	SUB-LOOPS	ECS to SAI subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAP	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	TX	SUB-LOOPS	ECS to SAI subloop charge 2-Wire Analog Zone 3 (Urban)		U6LAP	3
13MR-SL	TX	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAQ	1
13MR-SL	TX	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAQ	2
13MR-SL	TX	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire Analog Zone 3 (Urban)		U6LAQ	3
13MR-SL	TX	SUB-LOOPS	ECS to NID subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAR	1
13MR-SL	TX	SUB-LOOPS	ECS to NID subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAR	2
13MR-SL	TX	SUB-LOOPS	ECS to NID subloop charge 2-Wire-Analog Zone 3 (Urban)		U6LAR	3
13MR-SL	TX	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAS	1
13MR-SL	TX	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAS	2
13MR-SL	TX	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire Analog Zone 3 (Urban)		U6LAS	3
13MR-SL	TX	SUB-LOOPS	SAI to NID subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAT	1
13MR-SL	TX	SUB-LOOPS	SAI to NID subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAT	2
13MR-SL	TX	SUB-LOOPS	SAI to NID subloop charge 2-Wire Analog Zone 3 (Urban)		U6LAT	3
13MR-SL	TX	SUB-LOOPS	Terminal to NID subloop charge 2-Wire Analog Zone 1 (Rural)		U6LAU	1
13MR-SL	TX	SUB-LOOPS	Terminal to NID subloop charge 2-Wire Analog Zone 2 (Suburban)		U6LAU	2
13MR-SL	TX	SUB-LOOPS	Terminal to NID subloop charge 2-Wire Analog Zone 3 (Urban)		U6LAU	3
13MR-SL	TX	SUB-LOOPS	ECS to SAI subloop charge 4-Wire Analog Zone 1 (Rural)		U6LEP	1
13MR-SL	TX	SUB-LOOPS	ECS to SAI subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LEP	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	TX	SUB-LOOPS	ECS to SAI subloop charge 4-Wire Analog Zone 3 (Urban)		U6LEP	3
13MR-SL	TX	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire Analog Zone 1 (Rural)		U6LEQ	1
13MR-SL	TX	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LEQ	2
13MR-SL	TX	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire Analog Zone 3 (Urban)		U6LEQ	3
13MR-SL	TX	SUB-LOOPS	ECS to NID subloop charge 4-Wire Analog Zone 1 (Rural)		U6LER	1
13MR-SL	TX	SUB-LOOPS	ECS to NID subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LER	2
13MR-SL	TX	SUB-LOOPS	ECS to NID subloop charge 4-Wire-Analog Zone 3 (Urban)		U6LER	3
13MR-SL	TX	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire Analog Zone 1 (Rural)		U6LES	1
13MR-SL	TX	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LES	2
13MR-SL	TX	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire Analog Zone 3 (Urban)		U6LES	3
13MR-SL	TX	SUB-LOOPS	SAI to NID subloop charge 4-Wire Analog Zone 1 (Rural)		U6LET	1
13MR-SL	TX	SUB-LOOPS	SAI to NID subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LET	2
13MR-SL	TX	SUB-LOOPS	SAI to NID subloop charge 4-Wire Analog Zone 3 (Urban)		U6LET	3
13MR-SL	TX	SUB-LOOPS	Terminal to NID subloop charge 4-Wire Analog Zone 1 (Rural)		U6LEU	1
13MR-SL	TX	SUB-LOOPS	Terminal to NID subloop charge 4-Wire Analog Zone 2 (Suburban)		U6LEU	2
13MR-SL	TX	SUB-LOOPS	Terminal to NID subloop charge 4-Wire Analog Zone 3 (Urban)		U6LEU	3
13MR-SL	TX	SUB-LOOPS	ECS to SAI subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCP	1
13MR-SL	TX	SUB-LOOPS	ECS to SAI subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCP	2
13MR-SL	TX	SUB-LOOPS	ECS to SAI subloop charge 2-Wire DSL Zone 3 (Urban)		U6LCP	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	TX	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCQ	1
13MR-SL	TX	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCQ	2
13MR-SL	TX	SUB-LOOPS	ECS to Terminal subloop charge 2-Wire DSL Zone 3 (Urban)		U6LCQ	3
13MR-SL	TX	SUB-LOOPS	ECS to NID subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCR	1
13MR-SL	TX	SUB-LOOPS	ECS to NID subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCR	2
13MR-SL	TX	SUB-LOOPS	ECS to NID subloop charge 2-Wire-DSL Zone 3 (Urban)		U6LCR	3
13MR-SL	TX	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCS	1
13MR-SL	TX	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCS	2
13MR-SL	TX	SUB-LOOPS	SAI to Terminal subloop charge 2-Wire DSL Zone 3 (Urban)		U6LCS	3
13MR-SL	TX	SUB-LOOPS	SAI to NID subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCT	1
13MR-SL	TX	SUB-LOOPS	SAI to NID subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCT	2
13MR-SL	TX	SUB-LOOPS	SAI to NID subloop charge 2-Wire DSL Zone 3 (Urban)		U6LCT	3
13MR-SL	TX	SUB-LOOPS	Terminal to NID subloop charge 2-Wire DSL Zone 1 (Rural)		U6LCU	1
13MR-SL	TX	SUB-LOOPS	Terminal to NID subloop charge 2-Wire DSL Zone 2 (Suburban)		U6LCU	2
13MR-SL	TX	SUB-LOOPS	Terminal to NID subloop charge 2-Wire DSL Zone 3 (Urban)		U6LCU	3
13MR-SL	TX	SUB-LOOPS	ECS to SAI subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGP	1
13MR-SL	TX	SUB-LOOPS	ECS to SAI subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGP	2
13MR-SL	TX	SUB-LOOPS	ECS to SAI subloop charge 4-Wire DSL Zone 3 (Urban)		U6LGP	3
13MR-SL	TX	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGQ	1
13MR-SL	TX	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGQ	2

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	TX	SUB-LOOPS	ECS to Terminal subloop charge 4-Wire DSL Zone 3 (Urban)		U6LGQ	3
13MR-SL	TX	SUB-LOOPS	ECS to NID subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGR	1
13MR-SL	TX	SUB-LOOPS	ECS to NID subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGR	2
13MR-SL	TX	SUB-LOOPS	ECS to NID subloop charge 4-Wire DSL Zone 3 (Urban)		U6LGR	3
13MR-SL	TX	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGS	1
13MR-SL	TX	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGS	2
13MR-SL	TX	SUB-LOOPS	SAI to Terminal subloop charge 4-Wire DSL Zone 3 (Urban)		U6LGS	3
13MR-SL	TX	SUB-LOOPS	SAI to NID subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGT	1
13MR-SL	TX	SUB-LOOPS	SAI to NID subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGT	2
13MR-SL	TX	SUB-LOOPS	SAI to NID subloop charge 4-Wire DSL Zone 3 (Urban)		U6LGT	3
13MR-SL	TX	SUB-LOOPS	Terminal to NID subloop charge 4-Wire DSL Zone 1 (Rural)		U6LGU	1
13MR-SL	TX	SUB-LOOPS	Terminal to NID subloop charge 4-Wire DSL Zone 2 (Suburban)		U6LGU	2
13MR-SL	TX	SUB-LOOPS	Terminal to NID subloop charge 4-Wire DSL Zone 3 (Urban)		U6LGU	3
13MR-SL	TX	SUB-LOOPS	Subloop Cross Connect 2-Wire Analog Non-Central Office Originating		UKCV2	
13MR-SL	TX	SUB-LOOPS	Subloop Cross Connect 4-Wire Analog Non-Central Office Originating		UKCV4	
13MR-SL	TX	SUB-LOOPS	Subloop Cross Connect 2-Wire DSL Non-Central Office Originating		UKCZ2	
13MR-SL	TX	SUB-LOOPS	Subloop Cross Connect 4-Wire DSL Non-Central Office Originating		UKCZ4	
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Rural)		ULNHS	1
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNHS	2
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Urban)		ULNHS	3

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone		ULNHS	1
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Disconnect		NKCT8	
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Rural)		ULNHS	1
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNHS	2
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Urban)		ULNHS	3
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone		ULNHS	1
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Rural)		ULNJS	1
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNJS	2
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Urban)		ULNJS	3
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone		ULNJS	1
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Disconnect		NKCT9	
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Rural)		ULNJS	1
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNJS	2
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Urban)		ULNJS	3
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone		ULNJS	1
13	TX	UNBUNDLED DEDICATED TRANSPORT	DS1 Cross Connect to Collocation	UBNTX	UCXHX	
13	TX	UNBUNDLED DEDICATED TRANSPORT	DS3 Cross Connect to Collocation		UCXJX	
13	TX	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - DS1 to VG		UM4BX	
13	TX	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - DS1 to VG - Disconnect		NKCTC	
13	TX	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - DS3 to DS1		UM4AX	
13	TX	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - DS3 to DS1 - Disconnect		NKCT6	
13	TX	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber -Interoffice per strand		ULYCX	
13	TX	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per foot Zone 1 (Rural)		ULNCF	1
13	TX	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per foot Zone 2 (Suburban)		ULNCF	2
13	TX	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice per foot Zone 3 (Urban)		ULNCF	3
13	TX	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Cross Connect - Interoffice		UKCJX	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	TX	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber - Interoffice Inquiry		NR9D6	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	Routine Modifications of Existing Facilities Charge		(N3RUE)	
7	TX	OPERATIONS SUPPORT SYSTEMS (OSS)	800 Database - Toll Free Database Query			
7	TX	OPERATIONS SUPPORT SYSTEMS (OSS)	800 Database - Call Handling and Destination			
7	TX	OPERATIONS SUPPORT SYSTEMS (OSS)	Service Order Charge - Manual New - Simple		NRBUQ	
7	TX	OPERATIONS SUPPORT SYSTEMS (OSS)	Service Order Charge - Manual Change - Simple		NRBUO	
7	TX	OPERATIONS SUPPORT SYSTEMS (OSS)	Service Order Charge - Manual Record - Simple		NRBUU	
7	TX	OPERATIONS SUPPORT SYSTEMS (OSS)	Service Order Charge - Manual Disconnect - Simple		NRBUW	
7	TX	OPERATIONS SUPPORT SYSTEMS (OSS)	Service Order Charge - Manual Expedited - Simple		NRMV1	
7	TX	OPERATIONS SUPPORT SYSTEMS (OSS)	Service Order Charge - Manual Customer Not Ready - Simple		NRMV5	
7	TX	OPERATIONS SUPPORT SYSTEMS (OSS)	Service Order Charge - Manual Due Date Change or Cancellation - Simple		NRMV3	
7	TX	OPERATIONS SUPPORT SYSTEMS (OSS)	Service Order Charge - Electronic New - Simple		NR9W2	
7	TX	OPERATIONS SUPPORT SYSTEMS (OSS)	Service Order Charge - Electronic Change - Simple		NR9GG	
7	TX	OPERATIONS SUPPORT SYSTEMS (OSS)	Service Order Charge - Electronic Record - Simple		NR9GU	
7	TX	OPERATIONS SUPPORT SYSTEMS (OSS)	Service Order Charge - Electronic Disconnect - Simple		NR9GZ	
7	TX	OPERATIONS SUPPORT SYSTEMS (OSS)	Service Order Charge - Electronic Expedited Simple		NRMV7	
7	TX	OPERATIONS SUPPORT SYSTEMS (OSS)	Service Order Charge - Electronic Customer Not Ready Simple		NRMV9	
7	TX	OPERATIONS SUPPORT SYSTEMS (OSS)	Service Order Charge - Electronic Due Date Change or Cancellation Simple		NRMV8	
7	TX	OPERATIONS SUPPORT SYSTEMS (OSS)	PIC Change Charge		NRBL9	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual New - Complex		NRBUR	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Change - Complex		NRBUP	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Record - Complex		NRBUV	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Disconnect - Complex		NRBUX	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Expedited - Complex		NRMV2	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Customer Not Ready - Complex		NRMV6	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Manual Due Date Change or Cancellation - Complex		NRMV4	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic New - Complex		NRBGX	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Change - Complex		NR9G8	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Record - Complex		NR9G7	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Disconnect - Complex		NR9G9	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Expedited Complex		NRMVX	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Customer Not Ready - Complex		NRMVY	
13	TX	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order Charge - Electronic Due Date Change or Cancellation Complex		NRMVZ	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Rural (Access Area C)	MUJ++, UOB++, UOR++, EE7JX	U2HXC	C
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Suburban (Access Area B)	MUJ++, UOB++, UOR++, EE7JX	U2HXB	B
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Analog - Metro (Access Area A)	MUJ++, UOB++, UOR++, EE7JX	U2HXA	A
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, Analog DID/Reverse Battery - Rural (Access Area C)	MUJ++, UOB++, UOR++, EE7JX	U2WXC	C
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, Analog DID/Reverse Battery - Suburban (Access Area B)	MUJ++, UOB++, UOR++, EE7JX	U2WXB	B
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, Analog DID/Reverse Battery - Metro (Access Area A)	MUJ++, UOB++, UOR++, EE7JX	U2WXA	A
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, PBX - Rural (Access Area C)	MUJ++, UOB++, UOR++, EE7JX	U2JXC	C
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, PBX - Suburban (Access Area B)	MUJ++, UOB++, UOR++, EE7JX	U2JXB	B
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Ground Start, PBX - Metro (Access Area A)	MUJ++, UOB++, UOR++, EE7JX	U2JXA	A
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin - Rural (Access Area C)	MUJ++, UOB++, UOR++	U2CXC	C
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin - Suburban (Access Area B)	MUJ++, UOB++, UOR++	U2CXB	B
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire COPTS Coin - Metro (Access Area A)	MUJ++, UOB++, UOR++	U2CXA	A
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Rural (Access Area C)	MUJ++, UOB++, UOR++	U2KXC	C
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Suburban (Access Area B)	MUJ++, UOB++, UOR++	U2KXB	B
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire EKL - Metro (Access Area A)	MUJ++, UOB++, UOR++	U2KXA	A
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Rural (Access Area C)	MUJ++, UOB++, UOR++, EE7KX	U4HXC	C
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Suburban (Access Area B)	MUJ++, UOB++, UOR++, EE7KX	U4HXB	B
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	4-Wire Analog - Metro (Access Area A)	MUJ++, UOB++, UOR++, EE7KX	U4HXA	A
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital - Rural (Access Area C)	MUJ++, UOB++, UOR++, EE7LX	U2QXC	C
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital - Suburban (Access Area B)	MUJ++, UOB++, UOR++, EE7LX	U2QXB	B
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	2-Wire Digital - Metro (Access Area A)	MUJ++, UOB++, UOR++, EE7LX	U2QXA	A
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Service Coord. Fee per account, per CO	MUJ++, UOB++, UOR++	UFE	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop - Rural (Access Area C)	MUJ++, UOB++, UOR++, EE7MX	4U1XC	C
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop - Suburban (Access Area B)	MUJ++, UOB++, UOR++, EE7MX	4U1XB	B
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop - Metro (Access Area A)	MUJ++, UOB++, UOR++, EE7MX	4U1XA	A
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Rural (Access Area C)	MUJ++, UOB++, UOR++, EE7MX	U4D3C	C
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Suburban (Access Area B)	MUJ++, UOB++, UOR++, EE7MX	U4D3B	B
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop - Metro (Access Area A)	MUJ++, UOB++, UOR++, EE7MX	U4D3A	A

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	WI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop Access Area C- Rural	MUJ++, UOB++, UOR++	2SLA3	C
14	WI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop Access Area B- Suburban	MUJ++, UOB++, UOR++	2SLA2	B
14	WI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #1 - 2-Wire xDSL Loop Access Area A- Metro	MUJ++, UOB++, UOR++	2SLA1	A
14	WI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop Access Area C- Rural	MUJ++, UOB++, UOR++	2SLC3	C
14	WI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop Access Area B- Suburban	MUJ++, UOB++, UOR++	2SLC2	B
14	WI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #2 - 2-Wire xDSL Loop Access Area A- Metro	MUJ++, UOB++, UOR++	2SLC1	A
14	WI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop Access Area C- Rural	MUJ++, UOB++, UOR++	2SLB3	C
14	WI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop Access Area B- Suburban	MUJ++, UOB++, UOR++	2SLB2	B
14	WI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 2-Wire xDSL Loop Access Area A- Metro	MUJ++, UOB++, UOR++	2SLB1	A
14	WI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop Access Area C- Rural	MUJ++, UOB++, UOR++	2SLD3	C
14	WI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop Access Area B- Suburban	MUJ++, UOB++, UOR++	2SLD2	B
14	WI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #4 - 2-Wire xDSL Loop Access Area A- Metro	MUJ++, UOB++, UOR++	2SLD1	A
14	WI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop Access Area C- Rural	MUJ++, UOB++, UOR++	UWRA3	C
14	WI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop Access Area B- Suburban	MUJ++, UOB++, UOR++	UWRA2	B
14	WI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #5 - 2-Wire xDSL Loop Access Area A- Metro	MUJ++, UOB++, UOR++	UWRA1	A
14	WI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop Access Area C- Rural	MUJ++, UOB++, UOR++	2SLF3	C
14	WI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop Access Area B- Suburban	MUJ++, UOB++, UOR++	2SLF2	B
14	WI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #7 - 2-Wire xDSL Loop Access Area A- Metro	MUJ++, UOB++, UOR++	2SLF1	A
14	WI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop Access Area C- Rural	MUJ++, UOB++, UOR++	4SL13	C
14	WI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop Access Area B- Suburban	MUJ++, UOB++, UOR++	4SL12	B
14	WI	UNBUNDLED EXCHANGE ACCESS LOOP	PSD #3 - 4-Wire xDSL Loop Access Area A- Metro	MUJ++, UOB++, UOR++	4SL11	A
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Loop Access Area C - Rural	MUJ++, UOB++, UOR++	UY5FC	C
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Loop Access Area B - Suburban	MUJ++, UOB++, UOR++	UY5FB	B
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	IDSL Loop Access Area A - Metro	MUJ++, UOB++, UOR++	UY5FA	A
14	WI	LOOP MAKE-UP	Loop Qualification Process - Mechanized	MUJ++, UOB++, UOR++	NR98U	
14	WI	LOOP MAKE-UP	Loop Qualification Process - Manual	MUJ++, UOB++, UOR++	NRBXU	
14	WI	LOOP MODIFICATION	DSL Conditioning Options - >12KFT and < 17.5KFT Removal of Repeater Options	MUJ++, UOB++, UOR++	NRBXV	
14	WI	LOOP MODIFICATION	DSL Conditioning Options - >12KFT and < 17.5KFT Removal Bridged Tap Option	MUJ++, UOB++, UOR++	NRBXW	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
14	WI	LOOP MODIFICATION	DSL Conditioning Options - >12KFT and < 17.5KFT Removal of Load Coil	MUJ++, UOB++, UOR++	NRBXZ	
14	WI	LOOP MODIFICATION	DSL Conditioning Options - >17.5KFT in addition to the rates for > 12KFT and < 17.5KFT Removal of Repeater Options	MUJ++, UOB++, UOR++	NRBNL	
14	WI	LOOP MODIFICATION	DSL Conditioning Options - >17.5KFT in addition to the rates for > 12KFT and < 17.5KFT Removal Bridged Tap Option	MUJ++, UOB++, UOR++	NRBNK	
14	WI	LOOP MODIFICATION	DSL Conditioning Options - >17.5KFT in addition to the rates for > 12KFT and < 17.5KFT Removal of Load Coil	MUJ++, UOB++, UOR++	NRBNJ	
14	WI	LOOP MODIFICATION	Removal of All or NON-Excessive Bridged Tap (RABT) - MMP* Removal of non-excessive bridged tap DSL loops >0Kft. And <17.5Kft.	MUJ++, UOB++, UOR++	NRMRJ	
14	WI	LOOP MODIFICATION	Removal of All or NON-Excessive Bridged Tap (RABT) - MMP* Removal of All Bridged Tap DSL Loops 12Kft. To 17.5Kft.	MUJ++, UOB++, UOR++	NRMRP	
14	WI	LOOP MODIFICATION	Removal of All or NON-Excessive Bridged Tap (RABT) - MMP* Removal of non-excessive bridged tap DSL loops >17.5Kft DSL Loops - per element incremental	MUJ++, UOB++, UOR++	NRMRS	
14	WI	LOOP MODIFICATION	Removal of All or NON-Excessive Bridged Tap (RABT) - MMP* Removal of All Bridged Tap DSL loops >17.5Kft. per element incremental	MUJ++, UOB++, UOR++	NRMRM	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges Bus Service Order - Establish	MUJ++, UOB++, UOR++, EE7JX, EE7LX, EE7KX	SEPUP	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges Bus Service Order - Establish - Disconnect	MUJ++, UOB++, UOR++, EE7JX, EE7KX	NR9OE	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges Bus Service Order - Add/Change	MUJ++, UOB++, UOR++, EE7JX, EE7LX, EE7KX	REAH9	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges Bus Line Connection - Stand alone UNE loop	MUJ++, UOB++, UOR++, EE7JX, EE7LX, EE7KX	SEPUC	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges Bus Line Connection - Stand alone UNE loop - Disconnect	MUJ++, UOB++, UOR++, EE7JX, EE7KX	NR9OG	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges Bus Line Connection Add/Change		REAH5	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges Bus Record Work Only		NR9UP	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges Res Service Order - Establish	MUJ++, UOB++, UOR++, EE7JX, EE7LX, EE7KX	SEPUP	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges Res Service Order - Establish - Disconnect	MUJ++, UOB++, UOR++, EE7JX, EE7KX	NR9OE	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges Res Service Order - Add/Change	MUJ++, UOB++, UOR++, EE7JX, EE7LX, EE7KX	REAH9	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges Res Line Connection	MUJ++, UOB++, UOR++, EE7JX, EE7LX, EE7KX	SEPUC	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges Res Line Connection - Disconnect	MUJ++, UOB++, UOR++, EE7JX, EE7KX	NR9OG	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges Res Line Connection Add/Change		REAH5	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges Res Record Work Only		NR9UP	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order - Line Connection Establish - Interim Rate per Second Interim Order - 2 Wire digital Disconnect	MUJ++, UOB++, UOR++, EE7LX	NKCQM	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Service Order - Line Connection per termination - DSO/Digital Disconnect	MUJ++, UOB++, UOR++, EE7LX	NKCQN	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Non-Recurring Charges Administrative Charge - per order	MUJ++, UOB++, UOR++, EE7MX	NR9OR	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Non-Recurring Charges Administrative Charge - per order - Disconnect	MUJ++, UOB++, UOR++, EE7MX	NR9OT	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Non-Recurring Charges Design & Central Office Connection Charge-per circuit	MUJ++, UOB++, UOR++, EE7MX	NR9OU	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Non-Recurring Charges Design & Central Office Connection Charge-per circuit - Disconnect	MUJ++, UOB++, UOR++, EE7MX	NR9OV	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	DS1 Loop Non-Recurring Charges Customer Connection Charge per Termination	MUJ++, UOB++, UOR++, EE7MX	NR9OW	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop Non-Recurring Charges Administrative Charge - per order	MUJ++, UOB++, UOR++, EE7MX	NR9OY	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop Non-Recurring Charges Administrative Charge - Disconnect Order	MUJ++, UOB++, UOR++, EE7MX	NR9OZ	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop Non-Recurring Charges Design & Central Office Connection Charge, per circuit	MUJ++, UOB++, UOR++, EE7MX	NR9O1	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop Non-Recurring Charges Design & Central Office Connection Charge, per circuit - Disconnect	MUJ++, UOB++, UOR++, EE7MX	NR9O2	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop Non-Recurring Charges Customer Connection Charge per Termination	MUJ++, UOB++, UOR++, EE7MX	NR9O3	
13MR-SL	WI	SUB-LOOPS	ECS to SAI sub-loop 2 Wire Analog - area A	XHG++, XGG++	U7SPA	A
13MR-SL	WI	SUB-LOOPS	ECS to SAI sub-loop 2 Wire Analog - area B	XHG++, XGG++	U7SPB	B
13MR-SL	WI	SUB-LOOPS	ECS to SAI sub-loop 2 Wire Analog - area C	XHG++, XGG++	U7SPC	C
13MR-SL	WI	SUB-LOOPS	ECS to SAI sub-loop 4 Wire Analog - area A	XHK++,XGK++	U7SPA	A
13MR-SL	WI	SUB-LOOPS	ECS to SAI sub-loop 4 Wire Analog - area B	XHK++,XGK++	U7SPB	B
13MR-SL	WI	SUB-LOOPS	ECS to SAI sub-loop 4 Wire Analog - area C	XHK++,XGK++	U7SPC	C
13MR-SL	WI	SUB-LOOPS	ECS to SAI sub-loop 2 Wire DSL Compatible - area A	XHW++, XGW++	U7SPA	A
13MR-SL	WI	SUB-LOOPS	ECS to SAI sub-loop 2 Wire DSL Compatible - area B	XHW++, XGW++	U7SPB	B
13MR-SL	WI	SUB-LOOPS	ECS to SAI sub-loop 2 Wire DSL Compatible - area C	XHW++, XGW++	U7SPC	C
13MR-SL	WI	SUB-LOOPS	ECS to SAI sub-loop 4 Wire DSL Compatible - area A	XHY++, XGY++	U7SPA	A
13MR-SL	WI	SUB-LOOPS	ECS to SAI sub-loop 4 Wire DSL Compatible - area B	XHY++, XGY++	U7SPB	B
13MR-SL	WI	SUB-LOOPS	ECS to SAI sub-loop 4 Wire DSL Compatible - area C	XHY++, XGY++	U7SPC	C
13MR-SL	WI	SUB-LOOPS	ECS to Terminal sub-loop 2 Wire Analog - area A	XHG++, XGG++	U7SQA	A
13MR-SL	WI	SUB-LOOPS	ECS to Terminal sub-loop 2 Wire Analog - area B	XHG++, XGG++	U7SQB	B
13MR-SL	WI	SUB-LOOPS	ECS to Terminal sub-loop 2 Wire Analog - area C	XHG++, XGG++	U7SQC	C
13MR-SL	WI	SUB-LOOPS	ECS to Terminal sub-loop 4 Wire Analog - area A	XHK++,XGK++	U7SQA	A
13MR-SL	WI	SUB-LOOPS	ECS to Terminal sub-loop 4 Wire Analog - area B	XHK++,XGK++	U7SQB	B
13MR-SL	WI	SUB-LOOPS	ECS to Terminal sub-loop 4 Wire Analog - area C	XHK++,XGK++	U7SQC	C
13MR-SL	WI	SUB-LOOPS	ECS to Terminal sub-loop 2 Wire DSL Compatible - area A	XHW++, XGW++	U7SQA	A
13MR-SL	WI	SUB-LOOPS	ECS to Terminal sub-loop 2 Wire DSL Compatible - area B	XHW++, XGW++	U7SQB	B
13MR-SL	WI	SUB-LOOPS	ECS to Terminal sub-loop 2 Wire DSL Compatible - area C	XHW++, XGW++	U7SQC	C
13MR-SL	WI	SUB-LOOPS	ECS to Terminal sub-loop 4 Wire DSL Compatible - area A	XHY++, XGY++	U7SQA	A
13MR-SL	WI	SUB-LOOPS	ECS to Terminal sub-loop 4 Wire DSL Compatible - area B	XHY++, XGY++	U7SQB	B
13MR-SL	WI	SUB-LOOPS	ECS to Terminal sub-loop 4 Wire DSL Compatible - area C	XHY++, XGY++	U7SQC	C
13MR-SL	WI	SUB-LOOPS	ECS to NID sub-loop 2 Wire Analog - area A	XHG++, XGG++	U7SRA	A
13MR-SL	WI	SUB-LOOPS	ECS to NID sub-loop 2 Wire Analog - area B	XHG++, XGG++	U7SRB	B
13MR-SL	WI	SUB-LOOPS	ECS to NID sub-loop 2 Wire Analog - area C	XHG++, XGG++	U7SRC	C
13MR-SL	WI	SUB-LOOPS	ECS to NID sub-loop 4 Wire Analog - area A	XHK++,XGK++	U7SRA	A
13MR-SL	WI	SUB-LOOPS	ECS to NID sub-loop 4 Wire Analog - area B	XHK++,XGK++	U7SRB	B

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	WI	SUB-LOOPS	ECS to NID sub-loop 4 Wire Analog - area C	XHK++,XGK++	U7SRC	C
13MR-SL	WI	SUB-LOOPS	ECS to NID sub-loop 2 Wire DSL Compatible - area A	XHW++, XGW++	U7SRA	A
13MR-SL	WI	SUB-LOOPS	ECS to NID sub-loop 2 Wire DSL Compatible - area B	XHW++, XGW++	U7SRB	B
13MR-SL	WI	SUB-LOOPS	ECS to NID sub-loop 2 Wire DSL Compatible - area C	XHW++, XGW++	U7SRC	C
13MR-SL	WI	SUB-LOOPS	ECS to NID sub-loop 4 Wire DSL Compatible - area A	XHY++, XGY++	U7SRA	A
13MR-SL	WI	SUB-LOOPS	ECS to NID sub-loop 4 Wire DSL Compatible - area B	XHY++, XGY++	U7SRB	B
13MR-SL	WI	SUB-LOOPS	ECS to NID sub-loop 4 Wire DSL Compatible - area C	XHY++, XGY++	U7SRC	C
13MR-SL	WI	SUB-LOOPS	SAI to Terminal sub-loop 2 Wire Analog - area A	XHG++, XGG++	U7SSA	A
13MR-SL	WI	SUB-LOOPS	SAI to Terminal sub-loop 2 Wire Analog - area B	XHG++, XGG++	U7SSB	B
13MR-SL	WI	SUB-LOOPS	SAI to Terminal sub-loop 2 Wire Analog - area C	XHG++, XGG++	U7SSC	C
13MR-SL	WI	SUB-LOOPS	SAI to Terminal sub-loop 4 Wire Analog - area A	XHK++,XGK++	U7SSA	A
13MR-SL	WI	SUB-LOOPS	SAI to Terminal sub-loop 4 Wire Analog - area B	XHK++,XGK++	U7SSB	B
13MR-SL	WI	SUB-LOOPS	SAI to Terminal sub-loop 4 Wire Analog - area C	XHK++,XGK++	U7SSC	C
13MR-SL	WI	SUB-LOOPS	SAI to Terminal sub-loop 2 Wire DSL Compatible - area A	XHW++, XGW++	U7SSA	A
13MR-SL	WI	SUB-LOOPS	SAI to Terminal sub-loop 2 Wire DSL Compatible - area B	XHW++, XGW++	U7SSB	B
13MR-SL	WI	SUB-LOOPS	SAI to Terminal sub-loop 2 Wire DSL Compatible - area C	XHW++, XGW++	U7SSC	C
13MR-SL	WI	SUB-LOOPS	SAI to Terminal sub-loop 4 Wire DSL Compatible - area A	XHY++, XGY++	U7SSA	A
13MR-SL	WI	SUB-LOOPS	SAI to Terminal sub-loop 4 Wire DSL Compatible - area B	XHY++, XGY++	U7SSB	B
13MR-SL	WI	SUB-LOOPS	SAI to Terminal sub-loop 4 Wire DSL Compatible - area C	XHY++, XGY++	U7SSC	C
13MR-SL	WI	SUB-LOOPS	SAI to NID sub-loop 2 Wire Analog - area A	XHG++, XGG++	U7STA	A
13MR-SL	WI	SUB-LOOPS	SAI to NID sub-loop 2 Wire Analog - area B	XHG++, XGG++	U7STB	B
13MR-SL	WI	SUB-LOOPS	SAI to NID sub-loop 2 Wire Analog - area C	XHG++, XGG++	U7STC	C
13MR-SL	WI	SUB-LOOPS	SAI to NID sub-loop 4 Wire Analog - area A	XHK++,XGK++	U7STA	A
13MR-SL	WI	SUB-LOOPS	SAI to NID sub-loop 4 Wire Analog - area B	XHK++,XGK++	U7STB	B
13MR-SL	WI	SUB-LOOPS	SAI to NID sub-loop 4 Wire Analog - area C	XHK++,XGK++	U7STC	C
13MR-SL	WI	SUB-LOOPS	SAI to NID sub-loop 2 Wire DSL Compatible - area A	XHW++, XGW++	U7STA	A
13MR-SL	WI	SUB-LOOPS	SAI to NID sub-loop 2 Wire DSL Compatible - area B	XHW++, XGW++	U7STB	B
13MR-SL	WI	SUB-LOOPS	SAI to NID sub-loop 2 Wire DSL Compatible - area C	XHW++, XGW++	U7STC	C
13MR-SL	WI	SUB-LOOPS	SAI to NID sub-loop 4 Wire DSL Compatible - area A	XHY++, XGY++	U7STA	A
13MR-SL	WI	SUB-LOOPS	SAI to NID sub-loop 4 Wire DSL Compatible - area B	XHY++, XGY++	U7STB	B
13MR-SL	WI	SUB-LOOPS	SAI to NID sub-loop 4 Wire DSL Compatible - area C	XHY++, XGY++	U7STC	C

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	WI	SUB-LOOPS	Terminal to NID sub-loop 2 Wire Analog - area A	XHG++, XGG++	U7SUA	A
13MR-SL	WI	SUB-LOOPS	Terminal to NID sub-loop 2 Wire Analog - area B	XHG++, XGG++	U7SUB	B
13MR-SL	WI	SUB-LOOPS	Terminal to NID sub-loop 2 Wire Analog - area C	XHG++, XGG++	U7SUC	C
13MR-SL	WI	SUB-LOOPS	Terminal to NID sub-loop 4 Wire Analog - area A	XHK++,XGK++	U7SUA	A
13MR-SL	WI	SUB-LOOPS	Terminal to NID sub-loop 4 Wire Analog - area B	XHK++,XGK++	U7SUB	B
13MR-SL	WI	SUB-LOOPS	Terminal to NID sub-loop 4 Wire Analog - area C	XHK++,XGK++	U7SUC	C
13MR-SL	WI	SUB-LOOPS	Terminal to NID sub-loop 2 Wire DSL Compatible - area A	XHW++, XGW++	U7SUA	A
13MR-SL	WI	SUB-LOOPS	Terminal to NID sub-loop 2 Wire DSL Compatible - area B	XHW++, XGW++	U7SUB	B
13MR-SL	WI	SUB-LOOPS	Terminal to NID sub-loop 2 Wire DSL Compatible - area C	XHW++, XGW++	U7SUC	C
13MR-SL	WI	SUB-LOOPS	Terminal to NID sub-loop 4 Wire DSL Compatible - area A	XHY++, XGY++	U7SUA	A
13MR-SL	WI	SUB-LOOPS	Terminal to NID sub-loop 4 Wire DSL Compatible - area B	XHY++, XGY++	U7SUB	B
13MR-SL	WI	SUB-LOOPS	Terminal to NID sub-loop 4 Wire DSL Compatible - area C	XHY++, XGY++	U7SUC	C
13MR-SL	WI	SUB-LOOPS	NID sub-loop element 2 Wire Analog - area A	XHG++, XGG++		A
13MR-SL	WI	SUB-LOOPS	NID sub-loop element 2 Wire Analog - area B	XHG++, XGG++		B
13MR-SL	WI	SUB-LOOPS	NID sub-loop element 2 Wire Analog - area C	XHG++, XGG++		C
13MR-SL	WI	SUB-LOOPS	NID sub-loop element 4 Wire Analog - area A	XHK++,XGK++		A
13MR-SL	WI	SUB-LOOPS	NID sub-loop element 4 Wire Analog - area B	XHK++,XGK++		B
13MR-SL	WI	SUB-LOOPS	NID sub-loop element 4 Wire Analog - area C	XHK++,XGK++		C
13MR-SL	WI	SUB-LOOPS	NID sub-loop element 2 Wire DSL - area A	XHW++, XGW++		A
13MR-SL	WI	SUB-LOOPS	NID sub-loop element 2 Wire DSL - area B	XHW++, XGW++		B
13MR-SL	WI	SUB-LOOPS	NID sub-loop element 2 Wire DSL - area C	XHW++, XGW++		C
13MR-SL	WI	SUB-LOOPS	NID sub-loop element 4 Wire DSL - area A	XHY++, XGY++		A
13MR-SL	WI	SUB-LOOPS	NID sub-loop element 4 Wire DSL - area B	XHY++, XGY++		B
13MR-SL	WI	SUB-LOOPS	NID sub-loop element 4 Wire DSL - area C	XHY++, XGY++		C
13MR-SL	WI	SUB-LOOPS	NID sub-loop element 2 Wire ISDN Compatible - area A	XHQ++, XGQ++		A
13MR-SL	WI	SUB-LOOPS	NID sub-loop element 2 Wire ISDN Compatible - area B	XHQ++, XGQ++		B
13MR-SL	WI	SUB-LOOPS	NID sub-loop element 2 Wire ISDN Compatible - area C	XHQ++, XGQ++		C
13MR-SL	WI	SUB-LOOPS	NID sub-loop element 4 Wire DS1 Compatible - area A	XQ1++		A

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	WI	SUB-LOOPS	NID sub-loop element 4 Wire DS1 Compatible - area B	XQ1++		B
13MR-SL	WI	SUB-LOOPS	NID sub-loop element 4 Wire DS1 Compatible - area C	XQ1++		C
13MR-SL	WI	SUB-LOOPS	NID sub-loop element DS3 compatible subloop - area A	XQ3++		A
13MR-SL	WI	SUB-LOOPS	NID sub-loop element DS3 compatible subloop - area B	XQ3++		B
13MR-SL	WI	SUB-LOOPS	NID sub-loop element DS3 compatible subloop - area C	XQ3++		C
13MR-SL	WI	SUB-LOOPS	Sub-Loop Non-Recurring Charges 2-Wire Analog Sub-Loop	XHG++, XGG++		
13MR-SL	WI	SUB-LOOPS	Sub-Loop Non-Recurring Charges 2-Wire Analog Sub-Loop - Disconnect	XHG++, XGG++		
13MR-SL	WI	SUB-LOOPS	Sub-Loop Non-Recurring Charges 4-Wire Analog Sub-Loop	XHG++, XGG++		
13MR-SL	WI	SUB-LOOPS	Sub-Loop Non-Recurring Charges 4-Wire Analog Sub-Loop - Disconnect	XHG++, XGG++		
13MR-SL	WI	SUB-LOOPS	Sub-Loop Non-Recurring Charges 2-Wire xDSL Digital Sub-Loop	XHW++, XGW++		
13MR-SL	WI	SUB-LOOPS	Sub-Loop Non-Recurring Charges 2-Wire xDSL Digital Sub-Loop - Disconnect	XHW++, XGW++		
13MR-SL	WI	SUB-LOOPS	Sub-Loop Non-Recurring Charges 4-Wire xDSL Digital Sub-Loop	XHY++, XGY++		
13MR-SL	WI	SUB-LOOPS	Sub-Loop Non-Recurring Charges 4-Wire xDSL Digital Sub-Loop - Disconnect	XHY++, XGY++		
13MR-SL	WI	SUB-LOOPS	Sub-Loop Non-Recurring Charges 2-Wire ISDN Digital Sub-Loop	XHQ++, XGQ++		
13MR-SL	WI	SUB-LOOPS	Sub-Loop Non-Recurring Charges 2-Wire ISDN Digital Sub-Loop - Disconnect	XHQ++, XGQ++		
13MR-SL	WI	SUB-LOOPS	Sub-Loop Non-Recurring Charges 4-Wire DS1 Digital Sub-Loop	XQ1++		
13MR-SL	WI	SUB-LOOPS	Sub-Loop Non-Recurring Charges 4-Wire DS1 Digital Sub-Loop - Disconnect	XQ1++		
13MR-SL	WI	SUB-LOOPS	Service Order Charge Establish, per occasion	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++, XQ3++		

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13MR-SL	WI	SUB-LOOPS	Service Order Charge Establish, per occasion - Disconnect	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++, XQ3++		
13MR-SL	WI	SUB-LOOPS	Service Order Charge Add or change, per occasion	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++, XQ3++		
13MR-SL	WI	SUB-LOOPS	Service Order Charge Record Work Only	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++, XQ3++		
13MR-SL	WI	SUB-LOOPS	Line Connection Charge per occasion	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++, XQ3++		
13MR-SL	WI	SUB-LOOPS	Line Connection Charge per occasion - Disconnect	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++, XQ3++		
14	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Line & Station Transfer (LST) performed on CODSLAM Loop	MUJ++, UOB++, UOR++	URCLD	
13MR-SL	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Line & Station Transfer (LST) performed on CODSLAM Loop	MUJ++, UOB++, UOR++	URCLB	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects 2-Wire	MUJ++, UOB++, UOR++, EE7JX, EE7LX	CXCT2	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects 4-Wire	MUJ++, UOB++, UOR++, EE7KX	CXCT4	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects DS1/LT1	MUJ++, UOB++, UOR++, EE7MX	CXCDX	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects DS3/LT3	MUJ++, UOB++, UOR++, EE7NX	CXC8X	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects DS3 C.O. Cross-Connect to Collocation	MUJ++, UOB++, UOR++, EE7NX	CXCBX	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X1	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X2	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X3	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS1 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX1	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS1 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX2	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS1 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX3	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W1	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W2	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W3	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB1	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB2	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB3	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX1	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX2	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX3	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X1	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X2	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X3	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS1	UB5++, EE7MX, UK1++	CXCX	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS3	UB5++, EE7NX, UK3++	CXCEX	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Termination (Per Termination per Fiber)		ULYCX	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Mileage (Per Fiber per Foot)		ULNCF	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Cross Connect (Per Termination per Fiber)		UKCJX	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Transport Inquiry (Per Request) - NRC		NR9D6	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Firm Order (Per Fiber Strand) Administrative per Order Connect		NRB51	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Firm Order (Per Fiber Strand) Administrative per Order Disconnect		N49H2	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Transport - NRC Connect		NRB54	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dark Fiber Interoffice Transport - NRC Disconnect		NR9H5	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYX1	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYX2	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Clear Channel Capability - Per 1.544 Mbps Circuit Arranged	UB5++, EE7MX, UK1++	CLYX3	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Clear Channel Capability - Per 1.544 Mbps Circuit Arranged - Disconnect			
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Administration Charge - Per Order	UB5++, EE7MX, UK1++	ORCMX	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Administrative Charge - Per Disconnect Order	UB5++, EE7MX, UK1++	TBD	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Design & Central Office Connection Charge - Per Circuit	UB5++, EE7MX, UK1++	NRBCL	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Design & Central Office Connection Charge Disconnect - Per Circuit	UB5++, EE7MX, UK1++	TBD	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Optional Features & Functions DS1 Carrier Connection Charge - Per Order	UB5++, EE7MX, UK1++	NRBBL	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Administration Charge - Per Order	UB5++, EE7NX, UK3++	ORCMX	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Administrative Charge - Per Disconnect Order	UB5++, EE7NX, UK3++	TBD	

Exhibit A: Element Descriptions and USOCs

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Design & Central Office Connection Charge - Per Circuit	UB5++, EE7NX, UK3++	NRBCL	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Design & Central Office Connection Charge Disconnect - Per Circuit	UB5++, EE7NX, UK3++	TBD	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Carrier Connection Charge - Per Order	UB5++, EE7NX, UK3++	NRBBL	
13	WI	ROUTINE MODIFICATIONS	Routine Modifications of Existing Facilities Charge	MUJ++, UOB++, UOR++, UB5++, EE7MX, EE7NX, UK3++, UK1++	N3RUE	
7	WI	OPERATIONS SUPPORT SYSTEM (OSS)	Maintenance of Service Charge	MUJ++, UOB++, UOR++, UB5++, EE7JX, EE7KX, EE7LX, EE7MX, EE7NX, UK3++, UK1++	VRP	
13MR-SL	WI	OPERATIONS SUPPORT SYSTEM (OSS)	Sub-Loops - Maintenance of Service Charge	XHG++, XGG++, XHK++, XGK++, XHW++, XGW++, XHY++, XGY++, XHQ++, XGQ++, XQ1++, XQ3++	VRP	

AMENDMENT

BETWEEN

BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA AND AT&T TENNESSEE, ILLINOIS BELL TELEPHONE COMPANY, LLC D/B/A AT&T ILLINOIS, INDIANA BELL TELEPHONE COMPANY INCORPORATED D/B/A AT&T INDIANA, MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN, NEVADA BELL TELEPHONE COMPANY D/B/A AT&T NEVADA AND AT&T WHOLESALE, THE OHIO BELL TELEPHONE COMPANY D/B/A AT&T OHIO, PACIFIC BELL TELEPHONE COMPANY D/B/A AT&T CALIFORNIA, SOUTHWESTERN BELL TELEPHONE COMPANY D/B/A AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA AND AT&T TEXAS, WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN

AND

MCIMETRO ACCESS TRANSMISSION SERVICES CORP., MCIMETRO ACCESS TRANSMISSION SERVICES LLC, MCIMETRO ACCESS TRANSMISSION SERVICES LLC D/B/A VERIZON ACCESS TRANSMISSION SERVICES

Signature: eSigned - Daniel Higgins II

Signature: eSigned - Kristen E. Shore

Name: eSigned - Daniel Higgins II
(Print or Type)

Name: eSigned - Kristen E. Shore
(Print or Type)

Title: AVP
(Print or Type)

Title: AVP- Regulatory
(Print or Type)

Date: 12 Dec 2022

Date: 12 Dec 2022

**MCImetro Access Transmission Services LLC, Corp.,
MCImetro Access Transmission Services LLC,
MCImetro Access Transmission Services LLC d/b/a
Verizon Access Transmission Services**

**BellSouth Telecommunications, LLC d/b/a AT&T
ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T
KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI,
AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA
and AT&T TENNESSEE, Illinois Bell Telephone
Company, d/b/a AT&T ILLINOIS, Indiana Bell
Telephone Company Incorporated d/b/a AT&T
INDIANA, Michigan Bell Telephone Company d/b/a
AT&T MICHIGAN, Nevada Bell Telephone Company
d/b/a AT&T NEVADA and AT&T Wholesale, The Ohio
Bell Telephone Company d/b/a AT&T OHIO, Pacific
Bell Telephone Company d/b/a AT&T CALIFORNIA,
Southwestern Bell Telephone Company d/b/a AT&T
ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T
OKLAHOMA and AT&T TEXAS, Wisconsin Bell, Inc.
d/b/a AT&T WISCONSIN by AT&T Services, Inc., its
authorized agent**

**AMENDMENT TO THE AGREEMENT
BETWEEN
MCIMETRO ACCESS TRANSMISSION SERVICES CORP., MCIMETRO ACCESS TRANSMISSION
SERVICES LLC, MCIMETRO ACCESS TRANSMISSION SERVICES LLC D/B/A VERIZON ACCESS
TRANSMISSION SERVICES
AND
BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T ALABAMA, AT&T FLORIDA, AT&T
GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA,
AT&T SOUTH CAROLINA AND AT&T TENNESSEE, ILLINOIS BELL TELEPHONE COMPANY, LLC
D/B/A AT&T ILLINOIS, INDIANA BELL TELEPHONE COMPANY INCORPORATED D/B/A AT&T
INDIANA, MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN, NEVADA BELL
TELEPHONE COMPANY D/B/A AT&T NEVADA AND AT&T WHOLESALE, THE OHIO BELL
TELEPHONE COMPANY D/B/A AT&T OHIO, PACIFIC BELL TELEPHONE COMPANY D/B/A AT&T
CALIFORNIA, SOUTHWESTERN BELL TELEPHONE COMPANY D/B/A AT&T ARKANSAS, AT&T
KANSAS, AT&T MISSOURI, AT&T OKLAHOMA AND AT&T TEXAS, WISCONSIN BELL, INC. D/B/A
AT&T WISCONSIN**

This Amendment (the "Amendment") amends the Agreement(s) by and between AT&T and CLEC as shown in the attached Exhibit C. AT&T and CLEC are hereinafter referred to collectively as the "Parties" and individually as a "Party".

WHEREAS, AT&T and CLEC are Parties to the Agreement(s) as shown in the attached Exhibit C; and

WHEREAS, The Parties desire to amend the Interconnection Agreement to modify certain rates; and

NOW, THEREFORE, in consideration of the promises and mutual agreements set forth herein, the Parties agree to amend the Agreement as follows:

1. The Amendment is composed of the foregoing recitals and the terms and conditions contained herein, and Pricing Sheets (Exhibit A and Exhibit B), all of which are hereby incorporated by this reference and constitute a part of this Amendment.
2. Add the Pricing Sheet in Exhibit A. The rates in Exhibit A supersede the rates for the corresponding elements in the Pricing Sheet in the Agreement.
3. To the extent CLEC is no longer purchasing commercial local transport pursuant to a separate agreement using the USOCs and Basic Classes of Services set forth on the Pricing Sheet in Exhibit A, CLEC shall provide Notice to AT&T to implement the rates set forth in Exhibit B. Upon verification that CLEC is no longer purchasing commercial local transport, AT&T will implement the rates in Exhibit B. Depending on CLEC's bill period and AT&T billing system processes, the rate change may take up to two billing cycles to go into effect.
4. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.
5. This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with such Agreement
6. In entering into this Amendment, neither Party waives, and each Party expressly reserves, any rights, remedies or arguments it may have at law, or under the intervening law, or regulatory change provisions, in the underlying Agreement (including intervening law rights asserted by either Party via written notice predating this Amendment) with respect to any orders, decisions, legislation or proceedings and any remands thereof, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further review.
7. This Amendment shall be filed with the applicable State Commission(s) and will become effective July 12, 2022.

Exhibit C

AT&T ILEC (“AT&T”)	CARRIER Legal Name	Contract Type	Approval Date
Bellsouth Telecommunications, LLC d/b/a AT&T ALABAMA	MCImetro Access Transmission Services LLC	Interconnection	November 8, 2006
Southwestern Bell Telephone Company d/b/a AT&T ARKANSAS	MCImetro Access Transmission Services LLC	Interconnection	March 27, 2006
Pacific Bell Telephone Company d/b/a AT&T CALIFORNIA	MCImetro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	September 1, 2006
Bellsouth Telecommunications, LLC d/b/a AT&T FLORIDA	MCImetro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	January 31, 2007
Bellsouth Telecommunications, LLC d/b/a AT&T GEORGIA	MCImetro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	December 12, 2006
Illinois Bell Telephone Company d/b/a AT&T ILLINOIS	MCImetro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	November 14, 2010
Indiana Bell Telephone Company Incorporated d/b/a AT&T INDIANA	MCImetro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	March 11, 2006
Southwestern Bell Telephone Company d/b/a AT&T KANSAS	MCImetro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	October 26, 2005

AT&TILEC (“AT&T”)	CARRIER Legal Name	Contract Type	Approval Date
Bellsouth Telecommunications, LLC d/b/a AT&T KENTUCKY	MCImetro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	November 20, 2006
Bellsouth Telecommunications, LLC d/b/a AT&T LOUISIANA	MCImetro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	November 5, 2006
Michigan Bell Telephone Company d/b/a AT&T MICHIGAN	MCImetro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	December 18, 2003
Bellsouth Telecommunications, LLC d/b/a AT&T MISSISSIPPI	MCImetro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	December 6, 2006
Southwestern Bell Telephone Company d/b/a AT&T MISSOURI	MCImetro Access Transmission Services Corp.	Interconnection	October 20, 2010
Nevada Bell Telephone Company d/b/a AT&T NEVADA and AT&T Wholesale	MCImetro Access Transmission Services LLC	Interconnection	February 24, 2003
Bellsouth Telecommunications, LLC d/b/a AT&T NORTH CAROLINA	MCImetro Access Transmission Services LLC	Interconnection	November 1, 2006
The Ohio Bell Telephone Company d/b/a AT&T OHIO	MCImetro Access Transmission Services LLC	Interconnection	February 13, 2003
Southwestern Bell Telephone Company d/b/a AT&T OKLAHOMA	MCImetro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	February 22, 2007

AT&T ILEC (“AT&T”)	CARRIER Legal Name	Contract Type	Approval Date
Bellsouth Telecommunications, LLC d/b/a AT&T SOUTH CAROLINA	MCI metro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	February 13, 2007
Bellsouth Telecommunications, LLC d/b/a AT&T TENNESSEE	MCI metro Access Transmission Services LLC	Interconnection	January 8, 2007
Southwestern Bell Telephone Company d/b/a AT&T TEXAS	MCI metro Access Transmission Services LLC	Interconnection	August 29, 2005
Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN	MCI metro Access Transmission Services LLC d/b/a Verizon Access Transmission Services	Interconnection	July 18, 2007

Exhibit A – DS1 DS3 Local Wholesale Transport

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
LWT	AL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2022 - July 11, 2023)	U1TD1	1L5XX		\$ 0.27			mile
LWT	AL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2023 - July 11, 2024)	U1TD1	1L5XX		\$ 0.54			
LWT	AL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2024 - July 11, 2025)	U1TD1	1L5XX		\$ 2.70			
LWT	AL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2022 - July 11, 2023)	U1TD1	U1TF1		\$ 90.24	\$ 89.27	\$ 81.81	
LWT	AL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2023 - July 11, 2024)	U1TD1	U1TF1		\$ 180.48	\$ 89.27	\$ 81.81	
LWT	AL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2024 - July 11, 2025)	U1TD1	U1TF1		\$ 902.40	\$ 89.27	\$ 81.81	
LWT	AL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2022 - July 11, 2023)	U1TD3	1L5XX		\$ 6.13			mile
LWT	AL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2023 - July 11, 2024)	U1TD3	1L5XX		\$ 12.26			
LWT	AL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2024 - July 11, 2025)	U1TD3	1L5XX		\$ 61.30			
LWT	AL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2022 - July 11, 2023)	U1TD3	U1TF3		\$ 1,055.28	\$ 278.75	\$ 162.76	
LWT	AL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2023 - July 11, 2024)	U1TD3	U1TF3		\$ 2,110.56	\$ 278.75	\$ 162.76	
LWT	AL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2024 - July 11, 2025)	U1TD3	U1TF3		\$ 10,552.80	\$ 278.75	\$ 162.76	

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile (Effective July 12, 2022 - July 11, 2023)		ULNHS		\$ 75.00	\$ 310.00	\$ 220.00	first mile
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile (Effective July 12, 2023 - July 11, 2024)		ULNHS		\$ 150.00	\$ 310.00	\$ 220.00	first mile
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile (Effective July 12, 2024 - July 11, 2025)		ULNHS		\$ 750.00	\$ 310.00	\$ 220.00	first mile
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile (Effective July 12, 2022 - July 11, 2023)		ULNHS		\$ 25.20	NA	NA	additional mile
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile (Effective July 12, 2023 - July 11, 2024)		ULNHS		\$ 50.40	NA	NA	additional mile
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile (Effective July 12, 2024 - July 11, 2025)		ULNHS		\$ 252.00	NA	NA	additional mile
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile (Effective July 12, 2022 - July 11, 2023)		ULNJS		\$ 1,222.50	\$ 338.00	\$ 236.00	first mile
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile (Effective July 12, 2023 - July 11, 2024)		ULNJS		\$ 2,445.00	\$ 338.00	\$ 236.00	first mile
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile (Effective July 12, 2024 - July 11, 2025)		ULNJS		\$ 12,225.00	\$ 338.00	\$ 236.00	first mile
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile (Effective July 12, 2022 - July 11, 2023)		ULNJS		\$ 177.00	NA	NA	additional mile
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile (Effective July 12, 2023 - July 11, 2024)		ULNJS		\$ 354.00	NA	NA	additional mile
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile (Effective July 12, 2024 - July 11, 2025)		ULNJS		\$ 1,770.00	NA	NA	additional mile
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	DS1 to VG - Multiplexing (Effective July 12, 2022 - July 11, 2023)		UM4BX		\$ 270.00	\$ 260.00	\$ 161.00	
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	DS1 to VG - Multiplexing (Effective July 12, 2023 - July 11, 2024)		UM4BX		\$ 540.00	\$ 260.00	\$ 161.00	
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	DS1 to VG - Multiplexing (Effective July 12, 2024 - July 11, 2025)		UM4BX		\$ 2,700.00	\$ 260.00	\$ 161.00	
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	DS3 to DS1 - Multiplexing (Effective July 12, 2022 - July 11, 2023)		UM4AX		\$ 1,222.50	\$ 1,372.00	\$ 813.00	
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	DS3 to DS1 - Multiplexing (Effective July 12, 2023 - July 11, 2024)		UM4AX		\$ 2,445.00	\$ 1,372.00	\$ 813.00	
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	DS3 to DS1 - Multiplexing (Effective July 12, 2024 - July 11, 2025)		UM4AX		\$ 12,225.00	\$ 1,372.00	\$ 813.00	
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 1 (Effective July 12, 2022 - July 11, 2023)		UXRA1	1	\$ 1.42	\$ 105.70	\$ 69.40	
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 1 (Effective July 12, 2023 - July 11, 2024)		UXRA1	1	\$ 2.84	\$ 105.70	\$ 69.40	
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 1 (Effective July 12, 2024 - July 11, 2025)		UXRA1	1	\$ 14.20	\$ 105.70	\$ 69.40	
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 2 (Effective July 12, 2022 - July 11, 2023)		UXRA2	2	\$ 1.57	\$ 105.70	\$ 69.40	
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 2 (Effective July 12, 2023 - July 11, 2024)		UXRA2	2	\$ 3.14	\$ 105.70	\$ 69.40	
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 2 (Effective July 12, 2024 - July 11, 2025)		UXRA2	2	\$ 15.70	\$ 105.70	\$ 69.40	
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 3 (Effective July 12, 2022 - July 11, 2023)		UXRA3	3	\$ 1.57	\$ 105.70	\$ 69.40	
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 3 (Effective July 12, 2023 - July 11, 2024)		UXRA3	3	\$ 3.14	\$ 105.70	\$ 69.40	
LWT	AR	AT&T LOCAL WHOLESale TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 3 (Effective July 12, 2024 - July 11, 2025)		UXRA3	3	\$ 15.70	\$ 105.70	\$ 69.40	

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
LWT	CA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Transport DS-1 Fixed Mileage (OANAD Terminology - Dedicated Transport Fixed Mileage) (Effective July 12, 2022 - July 11, 2023)	CT1AA, CT1CL, EE7MA, EE7MB, EE7MN	1L5UB		\$ 49.41			
LWT	CA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Transport DS-1 Fixed Mileage (OANAD Terminology - Dedicated Transport Fixed Mileage) (Effective July 12, 2023 - July 11, 2024)	CT1AA, CT1CL, EE7MA, EE7MB, EE7MN	1L5UB		\$ 98.82			
LWT	CA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Transport DS-1 Fixed Mileage (OANAD Terminology - Dedicated Transport Fixed Mileage) (Effective July 12, 2024 - July 11, 2025)	CT1AA, CT1CL, EE7MA, EE7MB, EE7MN	1L5UB		\$ 494.10			
LWT	CA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Transport DS-1 Variable Mileage (OANAD Terminology - Dedicated Transport Variable Mileage per mile) (Effective July 12, 2022 - July 11, 2023)				\$ 0.37			mile
LWT	CA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Transport DS-1 Variable Mileage (OANAD Terminology - Dedicated Transport Variable Mileage per mile) (Effective July 12, 2023 - July 11, 2024)				\$ 0.74			mile
LWT	CA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Transport DS-1 Variable Mileage (OANAD Terminology - Dedicated Transport Variable Mileage per mile) (Effective July 12, 2024 - July 11, 2025)				\$ 3.70			mile
LWT	CA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Transport DS-3 Fixed Mileage (OANAD Terminology - Dedicated Transport DS-3 Fixed Mileage) (Effective July 12, 2022 - July 11, 2023)	CT3AA, CT3CL, EE7PA, EE7PB, EE7PN, EE7QA, EE7QB, EE7QN	1L5UB		\$ 702.21			
LWT	CA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Transport DS-3 Fixed Mileage (OANAD Terminology - Dedicated Transport DS-3 Fixed Mileage) (Effective July 12, 2023 - July 11, 2024)	CT3AA, CT3CL, EE7PA, EE7PB, EE7PN, EE7QA, EE7QB, EE7QN	1L5UB		\$ 1,404.42			
LWT	CA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Transport DS-3 Fixed Mileage (OANAD Terminology - Dedicated Transport DS-3 Fixed Mileage) (Effective July 12, 2024 - July 11, 2025)	CT3AA, CT3CL, EE7PA, EE7PB, EE7PN, EE7QA, EE7QB, EE7QN	1L5UB		7022,10			
LWT	CA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Transport DS-3 Variable Mileage (OANAD Terminology - Dedicated Transport DS-3 Variable Mileage per mile) (Effective July 12, 2022 - July 11, 2023)				\$ 7.08			mile
LWT	CA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Transport DS-3 Variable Mileage (OANAD Terminology - Dedicated Transport DS-3 Variable Mileage per mile) (Effective July 12, 2023 - July 11, 2024)				\$ 14.16			mile
LWT	CA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Transport DS-3 Variable Mileage (OANAD Terminology - Dedicated Transport DS-3 Variable Mileage per mile) (Effective July 12, 2024 - July 11, 2025)				\$ 70.80			mile
LWT	CA	AT&T LOCAL WHOLESale TRANSPORT	MULTIPLEXING - DS-1/DS-0 MUX (OANAD Terminology - DS0/DS1) (Effective July 12, 2022 - July 11, 2023)	CT1AA, CT1CL, EE7MA, EE7MB, EE7MN	MQ1UB		\$ 383.31			
LWT	CA	AT&T LOCAL WHOLESale TRANSPORT	MULTIPLEXING - DS-1/DS-0 MUX (OANAD Terminology - DS0/DS1) (Effective July 12, 2023 - July 11, 2024)	CT1AA, CT1CL, EE7MA, EE7MB, EE7MN	MQ1UB		\$ 766.62			
LWT	CA	AT&T LOCAL WHOLESale TRANSPORT	MULTIPLEXING - DS-1/DS-0 MUX (OANAD Terminology - DS0/DS1) (Effective July 12, 2024 - July 11, 2025)	CT1AA, CT1CL, EE7MA, EE7MB, EE7MN	MQ1UB		\$ 3,833.10			
LWT	CA	AT&T LOCAL WHOLESale TRANSPORT	MULTIPLEXING - DS-3/DS-1 MUX (OANAD Terminology - DS1/DS3) (Effective July 12, 2022 - July 11, 2023)	CT3AA, CT3CL, EE7PA, EE7PB, EE7PN, EE7QA, EE7QB, EE7QN	MQ3UB		\$ 431.77			
LWT	CA	AT&T LOCAL WHOLESale TRANSPORT	MULTIPLEXING - DS-3/DS-1 MUX (OANAD Terminology - DS1/DS3) (Effective July 12, 2023 - July 11, 2024)	CT3AA, CT3CL, EE7PA, EE7PB, EE7PN, EE7QA, EE7QB, EE7QN	MQ3UB		\$ 863.54			
LWT	CA	AT&T LOCAL WHOLESale TRANSPORT	MULTIPLEXING - DS-3/DS-1 MUX (OANAD Terminology - DS1/DS3) (Effective July 12, 2024 - July 11, 2025)	CT3AA, CT3CL, EE7PA, EE7PB, EE7PN, EE7QA, EE7QB, EE7QN	MQ3UB		\$ 4,317.70			

PRICING SHEETS
Exhibit A – DS1 DS3 Local Wholesale Transport

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
LWT	FL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2022 - July 11, 2023)	U1TD1	1L5XX		.27			mile
LWT	FL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2023 - July 11, 2024)	U1TD1	1L5XX		\$ 0.54			
LWT	FL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2024 - July 11, 2025)	U1TD1	1L5XX		\$ 2.70			
LWT	FL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2022 - July 11, 2023)	U1TD1	U1TF1		\$ 132.66	\$ 105.54	\$ 98.47	
LWT	FL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2023 - July 11, 2024)	U1TD1	U1TF1		\$ 265.32	\$ 105.54	\$ 98.47	
LWT	FL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2024 - July 11, 2025)	U1TD1	U1TF1		\$ 1,326.60	\$ 105.54	\$ 98.47	
LWT	FL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2022 - July 11, 2023)	U1TD3	1L5XX		\$ 5.80			mile
LWT	FL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2023 - July 11, 2024)	U1TD3	1L5XX		\$ 11.60			
LWT	FL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2024 - July 11, 2025)	U1TD3	1L5XX		\$ 58.00			
LWT	FL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2022 - July 11, 2023)	U1TD3	U1TF3		\$ 1,606.50	\$ 335.46	\$ 219.28	
LWT	FL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2023 - July 11, 2024)	U1TD3	U1TF3		\$ 3,213.00	\$ 335.46	\$ 219.28	
LWT	FL	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2024 - July 11, 2025)	U1TD3	U1TF3		\$ 16,065.00	\$ 335.46	\$ 219.28	

PRICING SHEETS
Exhibit A – DS1 DS3 Local Wholesale Transport

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
LWT	GA	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2022 - July 11, 2023)	U1TD1	1L5XX		\$ 0.17			mile
LWT	GA	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2023 - July 11, 2024)	U1TD1	1L5XX		\$ 0.34			
LWT	GA	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2024 - July 11, 2025)	U1TD1	1L5XX		\$ 1.70			
LWT	GA	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2022 - July 11, 2023)	U1TD1	U1TF1		\$ 52.39	\$ 110.92	\$ 80.20	
LWT	GA	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2023 - July 11, 2024)	U1TD1	U1TF1		\$ 104.78	\$ 110.92	\$ 80.20	
LWT	GA	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2024 - July 11, 2025)	U1TD1	U1TF1		\$ 523.90	\$ 110.92	\$ 80.20	
LWT	GA	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2022 - July 11, 2023)	U1TD3	1L5XX		\$ 3.94			mile
LWT	GA	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2023 - July 11, 2024)	U1TD3	1L5XX		\$ 7.88			
LWT	GA	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2024 - July 11, 2025)	U1TD3	1L5XX		\$ 39.40			
LWT	GA	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2022 - July 11, 2023)	U1TD3	U1TF3		\$ 524.13	\$ 320.16	\$ 86.24	
LWT	GA	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2023 - July 11, 2024)	U1TD3	U1TF3		\$ 1,048.26	\$ 320.16	\$ 86.24	
LWT	GA	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2024 - July 11, 2025)	U1TD3	U1TF3		\$ 5,241.30	\$ 320.16	\$ 86.24	

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS1 Interoffice Mileage Termination - Per Point of Termination - All Areas (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7MX, UK1++	CZ4XA		\$ 26.02	NA	NA	per point of termination
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS1 Interoffice Mileage Termination - Per Point of Termination - All Areas (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7MX, UK1++	CZ4XA		\$ 52.04	NA	NA	per point of termination
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS1 Interoffice Mileage Termination - Per Point of Termination - All Areas (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7MX, UK1++	CZ4XA		\$ 260.20	NA	NA	per point of termination
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS1 Interoffice Mileage Termination - Per Point of Termination - All Areas (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7MX, UK1++	CZ4XB		\$ 26.02	NA	NA	per point of termination
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS1 Interoffice Mileage Termination - Per Point of Termination - All Areas (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7MX, UK1++	CZ4XB		\$ 52.04	NA	NA	per point of termination
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS1 Interoffice Mileage Termination - Per Point of Termination - All Areas (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7MX, UK1++	CZ4XB		\$ 260.20	NA	NA	per point of termination
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS1 Interoffice Mileage Termination - Per Point of Termination - All Areas (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7MX, UK1++	CZ4XC		\$ 26.02	NA	NA	per point of termination
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS1 Interoffice Mileage Termination - Per Point of Termination - All Areas (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7MX, UK1++	CZ4XC		\$ 52.04	NA	NA	per point of termination
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS1 Interoffice Mileage Termination - Per Point of Termination - All Areas (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7MX, UK1++	CZ4XC		\$ 260.20	NA	NA	per point of termination
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS1 Interoffice Mileage - Per Mile - All Areas (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7MX, UK1++	1YZXA		\$ 2.82	NA	NA	per mile
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS1 Interoffice Mileage - Per Mile - All Areas (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7MX, UK1++	1YZXA		\$ 5.64	NA	NA	per mile
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS1 Interoffice Mileage - Per Mile - All Areas (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7MX, UK1++	1YZXA		\$ 28.20	NA	NA	per mile
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS1 Interoffice Mileage - Per Mile - All Areas (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7MX, UK1++	1YZXB		\$ 2.82	NA	NA	per mile
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS1 Interoffice Mileage - Per Mile - All Areas (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7MX, UK1++	1YZXB		\$ 5.64	NA	NA	per mile
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS1 Interoffice Mileage - Per Mile - All Areas (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7MX, UK1++	1YZXB		\$ 28.20	NA	NA	per mile
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS1 Interoffice Mileage - Per Mile - All Areas (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7MX, UK1++	1YZXC		\$ 2.82	NA	NA	per mile
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS1 Interoffice Mileage - Per Mile - All Areas (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7MX, UK1++	1YZXC		\$ 5.64	NA	NA	per mile
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS1 Interoffice Mileage - Per Mile - All Areas (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7MX, UK1++	1YZXC		\$ 28.20	NA	NA	per mile
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7NX, UK3++	CZ4XA		\$ 220.39	NA	NA	per point of termination
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7NX, UK3++	CZ4XA		\$ 440.78	NA	NA	per point of termination
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7NX, UK3++	CZ4XA		\$ 2,203.90	NA	NA	per point of termination
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7NX, UK3++	CZ4XB		\$ 220.39	NA	NA	per point of termination
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7NX, UK3++	CZ4XB		\$ 440.78	NA	NA	per point of termination
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7NX, UK3++	CZ4XB		\$ 2,203.90	NA	NA	per point of termination
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7NX, UK3++	CZ4XC		\$ 220.39	NA	NA	per point of termination
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7NX, UK3++	CZ4XC		\$ 440.78	NA	NA	per point of termination
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7NX, UK3++	CZ4XC		\$ 2,203.90	NA	NA	per point of termination
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7NX, UK3++	1YZXA		\$ 44.71	NA	NA	per mile
LWT	IL	AT&T LOCAL WHOLESale TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7NX, UK3++	1YZXA		\$ 89.42	NA	NA	per mile

PRICING SHEETS
Exhibit A – DS1 DS3 Local Wholesale Transport

LWT	IL	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2024 - July 11 2025)	UB5++, UK1++	QMVXC		\$ 4,130.10	NA	NA
LWT	IL	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2022 - July 11, 2023)	UB5++, UK3++	QM3XA		\$ 606.45	NA	NA
LWT	IL	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2023 - July 11, 2024)	UB5++, UK3++	QM3XA		\$ 1,212.90	NA	NA
LWT	IL	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2024 - July 11, 2025)	UB5++, UK3++	QM3XA		\$ 6,064.50	NA	NA
LWT	IL	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2022 - July 11, 2023)	UB5++, UK3++	QM3XB		\$ 606.45	NA	NA
LWT	IL	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2023 - July 11, 2024)	UB5++, UK3++	QM3XB		\$ 1,212.90	NA	NA
LWT	IL	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2024 - July 11, 2025)	UB5++, UK3++	QM3XB		\$ 6,064.50	NA	NA
LWT	IL	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2022 - July 11, 2023)	UB5++, UK3++	QM3XC		\$ 606.45	NA	NA
LWT	IL	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2023 - July 11, 2024)	UB5++, UK3++	QM3XC		\$ 1,212.90	NA	NA
LWT	IL	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2024 - July 11, 2025)	UB5++, UK3++	QM3XC		\$ 6,064.50	NA	NA
LWT	IL	AT&T LOCAL WHOLESAL TRANSPORT	Dedicated Transport Cross Connects DS1 (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7MX, UK1++	CXCDX		\$ 0.64	NA	NA
LWT	IL	AT&T LOCAL WHOLESAL TRANSPORT	Dedicated Transport Cross Connects DS1 (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7MX, UK1++	CXCDX		\$ 1.28	NA	NA
LWT	IL	AT&T LOCAL WHOLESAL TRANSPORT	Dedicated Transport Cross Connects DS1 (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7MX, UK1++	CXCDX		\$ 6.40	NA	NA
LWT	IL	AT&T LOCAL WHOLESAL TRANSPORT	Dedicated Transport Cross Connects DS3 (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7NX, UK3++	CXCEX		\$ 1.14	NA	NA
LWT	IL	AT&T LOCAL WHOLESAL TRANSPORT	Dedicated Transport Cross Connects DS3 (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7NX, UK3++	CXCEX		\$ 2.28	NA	NA
LWT	IL	AT&T LOCAL WHOLESAL TRANSPORT	Dedicated Transport Cross Connects DS3 (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7NX, UK3++	CXCEX		\$ 11.40	NA	NA

LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Interoffice Transport DS3 Interoffice Mileage - Per Mile - All Zones (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7NX, UK3++	1YZB1		\$ 429.30	NA	NA	per mile
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Interoffice Transport DS3 Interoffice Mileage - Per Mile - All Zones (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7NX, UK3++	1YZB2		\$ 42.93	NA	NA	per mile
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Interoffice Transport DS3 Interoffice Mileage - Per Mile - All Zones (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7NX, UK3++	1YZB2		\$ 85.86	NA	NA	per mile
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Interoffice Transport DS3 Interoffice Mileage - Per Mile - All Zones (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7NX, UK3++	1YZB2		\$ 429.30	NA	NA	per mile
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Interoffice Transport DS3 Interoffice Mileage - Per Mile - All Zones (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7NX, UK3++	1YZB3		\$ 42.93	NA	NA	per mile
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Interoffice Transport DS3 Interoffice Mileage - Per Mile - All Zones (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7NX, UK3++	1YZB3		\$ 85.86	NA	NA	per mile
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Interoffice Transport DS3 Interoffice Mileage - Per Mile - All Zones (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7NX, UK3++	1YZB3		\$ 429.30	NA	NA	per mile
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2022 - July 11, 2023)	UB5++, UK1++, EE7MX	QMVX1		\$ 296.41	NA	NA	
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2023 - July 11, 2024)	UB5++, UK1++, EE7MX	QMVX1		\$ 592.82			
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2024 - July 11, 2025)	UB5++, UK1++, EE7MX	QMVX1		\$ 2,964.10			
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2022 - July 11, 2023)	UB5++, UK1++, EE7MX	QMVX2		\$ 296.41	NA	NA	
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2023 - July 11, 2024)	UB5++, UK1++, EE7MX	QMVX2		\$ 592.82			
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2024 - July 11, 2025)	UB5++, UK1++, EE7MX	QMVX2		\$ 2,964.10			
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2022 - July 11, 2023)	UB5++, UK1++, EE7MX	QMVX3		\$ 296.41	NA	NA	
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2023 - July 11, 2024)	UB5++, UK1++, EE7MX	QMVX3		\$ 592.82			
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2024 - July 11, 2025)	UB5++, UK1++, EE7MX	QMVX3		\$ 2,964.10			
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2022 - July 11, 2023)	UB5++, UK3++, EE7NX	QM3X1		\$ 390.36	NA	NA	
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2023 - July 11, 2024)	UB5++, UK3++, EE7NX	QM3X1		\$ 780.72			
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2024 - July 11, 2025)	UB5++, UK3++, EE7NX	QM3X1		\$ 3,903.60			
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2022 - July 11, 2023)	UB5++, UK3++, EE7NX	QM3X2		\$ 390.36	NA	NA	
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2023 - July 11, 2024)	UB5++, UK3++, EE7NX	QM3X2		\$ 780.72			
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2024 - July 11, 2025)	UB5++, UK3++, EE7NX	QM3X2		\$ 3,903.60			
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2022 - July 11, 2023)	UB5++, UK3++, EE7NX	QM3X3		\$ 390.36	NA	NA	
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2023 - July 11, 2024)	UB5++, UK3++, EE7NX	QM3X3		\$ 780.72			
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2024 - July 11, 2025)	UB5++, UK3++, EE7NX	QM3X3		\$ 3,903.60			
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Dedicated Transport Cross Connects DS1 (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7MX, UK1++	CXCDX		\$ 0.54	NA	NA	
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Dedicated Transport Cross Connects DS1 (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7MX, UK1++	CXCDX		\$ 1.08			
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Dedicated Transport Cross Connects DS1 (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7MX, UK1++	CXCDX		\$ 5.40			
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Dedicated Transport Cross Connects DS3 (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7NX, UK3++	CXCEX		\$ 0.99	NA	NA	
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Dedicated Transport Cross Connects DS3 (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7NX, UK3++	CXCEX		\$ 1.98			
LWT	IN	AT&T LOCAL WHOLESAL TRANSPORT	Dedicated Transport Cross Connects DS3 (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7NX, UK3++	CXCEX		\$ 9.90			

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Rural) (Effective July 12, 2022 - July 11, 2023)		ULNHS	1	\$ 77.84	\$ 136.65	\$ 78.80	first mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Rural) (Effective July 12, 2023 - July 11, 2024)		ULNHS	1	\$ 155.68	\$ 136.65	\$ 78.80	first mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Rural) (Effective July 12, 2024 - July 11, 2025)		ULNHS	1	\$ 77.84	\$ 136.65	\$ 78.80	first mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2022 - July 11, 2023)		ULNHS	2	\$ 66.89	\$ 136.65	\$ 78.80	first mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2023 - July 11, 2024)		ULNHS	2	\$ 133.78	\$ 136.65	\$ 78.80	first mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2024 - July 11, 2025)		ULNHS	2	\$ 66.89	\$ 136.65	\$ 78.80	first mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Urban) (Effective July 12, 2022 - July 11, 2023)		ULNHS	3	\$ 61.17	\$ 136.65	\$ 78.80	first mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Urban) (Effective July 12, 2023 - July 11, 2024)		ULNHS	3	\$ 122.34	\$ 136.65	\$ 78.80	first mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Urban) (Effective July 12, 2024 - July 11, 2025)		ULNHS	3	\$ 61.17	\$ 136.65	\$ 78.80	first mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone (Effective July 12, 2022 - July 11, 2023)		ULNHS	I	\$ 70.29	\$ 136.65	\$ 78.80	first mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone (Effective July 12, 2023 - July 11, 2024)		ULNHS	I	\$ 140.58	\$ 136.65	\$ 78.80	first mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone (Effective July 12, 2024 - July 11, 2025)		ULNHS	I	\$ 70.29	\$ 136.65	\$ 78.80	first mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Rural) (Effective July 12, 2022 - July 11, 2023)		ULNHS	1	\$ 2.30	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Rural) (Effective July 12, 2023 - July 11, 2024)		ULNHS	1	\$ 4.60	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Rural) (Effective July 12, 2024 - July 11, 2025)		ULNHS	1	\$ 23.00	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2022 - July 11, 2023)		ULNHS	2	\$ 1.08	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2023 - July 11, 2024)		ULNHS	2	\$ 2.16	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2024 - July 11, 2025)		ULNHS	2	\$ 10.80	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Urban) (Effective July 12, 2022 - July 11, 2023)		ULNHS	3	\$ 0.48	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Urban) (Effective July 12, 2023 - July 11, 2024)		ULNHS	3	\$ 0.96	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Urban) (Effective July 12, 2024 - July 11, 2025)		ULNHS	3	\$ 4.80	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2022 - July 11, 2023)		ULNHS	I	\$ 0.52	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2023 - July 11, 2024)		ULNHS	I	\$ 1.04	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2024 - July 11, 2025)		ULNHS	I	\$ 5.20	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Rural) (Effective July 12, 2022 - July 11, 2023)		ULNJS	1	\$ 894.82	\$ 158.10	\$ 97.75	first mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Rural) (Effective July 12, 2023 - July 11, 2024)		ULNJS	1	\$ 1,789.64	\$ 158.10	\$ 97.75	first mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Rural) (Effective July 12, 2024 - July 11, 2025)		ULNJS	1	\$ 894.82	\$ 158.10	\$ 97.75	first mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2022 - July 11, 2023)		ULNJS	2	\$ 894.82	\$ 158.10	\$ 97.75	first mile
LWT	KS	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2023 - July 11, 2024)		ULNJS	2	\$ 1,789.64	\$ 158.10	\$ 97.75	first mile

LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2024 - July 11, 2025)		ULNJS	2	\$ 8,948.20	\$ 158.10	\$ 97.75	first mile
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Urban) (Effective July 12, 2022 - July 11, 2023)		ULNJS	3	\$ 714.96	\$ 158.10	\$ 97.75	first mile
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Urban) (Effective July 12, 2023 - July 11, 2024)		ULNJS	3	\$ 1,429.92	\$ 158.10	\$ 97.75	first mile
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Urban) (Effective July 12, 2024 - July 11, 2025)		ULNJS	3	\$ 7,149.60	\$ 158.10	\$ 97.75	first mile
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone (Effective July 12, 2022 - July 11, 2023)		ULNJS	I	\$ 768.45	\$ 158.10	\$ 97.75	first mile
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone (Effective July 12, 2023 - July 11, 2024)		ULNJS	I	\$ 1,536.90	\$ 158.10	\$ 97.75	first mile
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone (Effective July 12, 2024 - July 11, 2025)		ULNJS	I	\$ 7,684.50	\$ 158.10	\$ 97.75	first mile
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Rural) (Effective July 12, 2022 - July 11, 2023)		ULNJS	1	\$ 26.26	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Rural) (Effective July 12, 2023 - July 11, 2024)		ULNJS	1	\$ 52.52	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Rural) (Effective July 12, 2024 - July 11, 2025)		ULNJS	1	\$ 262.60	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2022 - July 11, 2023)		ULNJS	2	\$ 26.26	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2023 - July 11, 2024)		ULNJS	2	\$ 52.52	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2024 - July 11, 2025)		ULNJS	2	\$ 262.60	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Urban) (Effective July 12, 2022 - July 11, 2023)		ULNJS	3	\$ 19.24	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Urban) (Effective July 12, 2023 - July 11, 2024)		ULNJS	3	\$ 38.48	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Urban) (Effective July 12, 2024 - July 11, 2025)		ULNJS	3	\$ 192.40	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2022 - July 11, 2023)		ULNJS	I	\$ 4.27	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2023 - July 11, 2024)		ULNJS	I	\$ 8.54	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2024 - July 11, 2025)		ULNJS	I	\$ 42.70	NA	NA	additional mile
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DS1 to VG - Multiplexing (Effective July 12, 2022 - July 11, 2023)		UM4BX		\$ 178.54	\$ 288.90	\$ 187.70	
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DS1 to VG - Multiplexing (Effective July 12, 2023 - July 11, 2024)		UM4BX		\$ 357.08	\$ 288.90	\$ 187.70	
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DS1 to VG - Multiplexing (Effective July 12, 2024 - July 11, 2025)		UM4BX		\$ 1,785.40	\$ 288.90	\$ 187.70	
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DS3 to DS1 - Multiplexing (Effective July 12, 2022 - July 11, 2023)		UM4AX		\$ 539.74	\$ 1,736.35	\$ 1,202.10	
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DS3 to DS1 - Multiplexing (Effective July 12, 2023 - July 11, 2024)		UM4AX		\$ 1,079.48	\$ 1,736.35	\$ 1,202.10	
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	DS3 to DS1 - Multiplexing (Effective July 12, 2024 - July 11, 2025)		UM4AX		\$ 5,397.40	\$ 1,736.35	\$ 1,202.10	
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	2-wire Analog Loop Cross Connect to POA - Method 1 (Effective July 12, 2022 - July 11, 2023)		UXRA1	1	\$ 0.85	\$ 92.05	\$ 73.25	
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	2-wire Analog Loop Cross Connect to POA - Method 1 (Effective July 12, 2023 - July 11, 2024)		UXRA1	1	\$ 1.70	\$ 92.05	\$ 73.25	
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	2-wire Analog Loop Cross Connect to POA - Method 1 (Effective July 12, 2024 - July 11, 2025)		UXRA1	1	\$ 8.50	\$ 92.05	\$ 73.25	
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	2-wire Analog Loop Cross Connect to POA - Method 2 (Effective July 12, 2022 - July 11, 2023)		UXRA2	2	\$ 0.97	\$ 92.05	\$ 73.25	
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	2-wire Analog Loop Cross Connect to POA - Method 2 (Effective July 12, 2023 - July 11, 2024)		UXRA2	2	\$ 1.94	\$ 92.05	\$ 73.25	
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	2-wire Analog Loop Cross Connect to POA - Method 2 (Effective July 12, 2024 - July 11, 2025)		UXRA2	2	\$ 9.70	\$ 92.05	\$ 73.25	
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	2-wire Analog Loop Cross Connect to POA - Method 3 (Effective July 12, 2022 - July 11, 2023)		UXRA3	3	\$ 1.15	\$ 92.05	\$ 73.25	
LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	2-wire Analog Loop Cross Connect to POA - Method 3 (Effective July 12, 2023 - July 11, 2024)		UXRA3	3	\$ 2.30	\$ 92.05	\$ 73.25	

LWT	KS	AT&T LOCAL WHOLESAL TRANSPORT	2-wire Analog Loop Cross Connect to POA - Method 3 (Effective July 12, 2024 - July 11, 2025)		UXRA3	3	\$ 11.50	\$ 92.05	\$ 73.25
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PRICING SHEETS
Exhibit A – DS1 DS3 Local Wholesale Transport

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
LWT	KY	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2022 - July 11, 2023)	U1TD1	1L5XX		\$ 0.34			mile
LWT	KY	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2023 - July 11, 2024)	U1TD1	1L5XX		\$ 0.68			
LWT	KY	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2024 - July 11, 2025)	U1TD1	1L5XX		\$ 3.40			
LWT	KY	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2022 - July 11, 2023)	U1TD1	U1TF1		\$ 144.06	\$ 105.52	\$ 98.46	
LWT	KY	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2023 - July 11, 2024)	U1TD1	U1TF1		\$ 288.12	\$ 105.52	\$ 98.46	
LWT	KY	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2024 - July 11, 2025)	U1TD1	U1TF1		\$ 1,440.60	\$ 105.52	\$ 98.46	
LWT	KY	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2022 - July 11, 2023)	U1TD3	1L5XX		\$ 7.45			mile
LWT	KY	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2023 - July 11, 2024)	U1TD3	1L5XX		\$ 14.90			
LWT	KY	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2024 - July 11, 2025)	U1TD3	1L5XX		\$ 74.50			
LWT	KY	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2022 - July 11, 2023)	U1TD3	U1TF3		\$ 1,762.72	\$ 335.40	\$ 219.24	
LWT	KY	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2023 - July 11, 2024)	U1TD3	U1TF3		\$ 3,525.44	\$ 335.40	\$ 219.24	
LWT	KY	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2024 - July 11, 2025)	U1TD3	U1TF3		\$ 17,627.20	\$ 335.40	\$ 219.24	

PRICING SHEETS
Exhibit A – DS1 DS3 Local Wholesale Transport

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
LWT	LA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2022 - July 11, 2023)	U1TD1	1L5XX		\$ 0.39			mile
LWT	LA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2023 - July 11, 2024)	U1TD1	1L5XX		\$ 0.78			
LWT	LA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2024 - July 11, 2025)	U1TD1	1L5XX		\$ 3.90			
LWT	LA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2022 - July 11, 2023)	U1TD1	U1TF1		\$ 105.70	\$ 86.69	\$ 79.44	
LWT	LA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2023 - July 11, 2024)	U1TD1	U1TF1		\$ 211.40	\$ 86.69	\$ 79.44	
LWT	LA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2024 - July 11, 2025)	U1TD1	U1TF1		\$ 1,057.00	\$ 86.69	\$ 79.44	
LWT	LA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2022 - July 11, 2023)	U1TD3	1L5XX		\$ 9.06			mile
LWT	LA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2023 - July 11, 2024)	U1TD3	1L5XX		\$ 18.12			
LWT	LA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2024 - July 11, 2025)	U1TD3	1L5XX		\$ 90.60			
LWT	LA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2022 - July 11, 2023)	U1TD3	U1TF3		\$ 1,275.67	\$ 270.69	\$ 158.05	
LWT	LA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2023 - July 11, 2024)	U1TD3	U1TF3		\$ 2,551.34	\$ 270.69	\$ 158.05	
LWT	LA	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2024 - July 11, 2025)	U1TD3	U1TF3		\$ 12,756.70	\$ 270.69	\$ 158.05	

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Zone 1 (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7MX, UK1++	CZ4X1	1	\$ 18.58			Per Point of Termination
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Zone 1 (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7MX, UK1++	CZ4X1	1	\$ 37.16			Per Point of Termination
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Zone 1 (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7MX, UK1++	CZ4X1	1	\$ 185.80			Per Point of Termination
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Zone 2 (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7MX, UK1++	CZ4X2	2	\$ 18.42			Per Point of Termination
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Zone 2 (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7MX, UK1++	CZ4X2	2	\$ 36.84			Per Point of Termination
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Zone 2 (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7MX, UK1++	CZ4X2	2	\$ 184.20			Per Point of Termination
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Zone 3 (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7MX, UK1++	CZ4X3	3	\$ 19.75			Per Point of Termination
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Zone 3 (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7MX, UK1++	CZ4X3	3	\$ 39.50			Per Point of Termination
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Zone 3 (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7MX, UK1++	CZ4X3	3	\$ 197.50			Per Point of Termination
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Interzone (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7MX, UK1++	CZ4XZ	I	\$ 20.04			Per Point of Termination
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Interzone (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7MX, UK1++	CZ4XZ	I	\$ 40.08			Per Point of Termination
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Interzone (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7MX, UK1++	CZ4XZ	I	\$ 200.40			Per Point of Termination
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Mile Zone 1 (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7MX, UK1++	1YZX1	1	\$ 1.03			per mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Mile Zone 1 (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7MX, UK1++	1YZX1	1	\$ 2.06			per mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Mile Zone 1 (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7MX, UK1++	1YZX1	1	\$ 10.30			per mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Mile Zone 2 (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7MX, UK1++	1YZX2	2	\$ 1.15			per mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Mile Zone 2 (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7MX, UK1++	1YZX2	2	\$ 2.30			per mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Mile Zone 2 (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7MX, UK1++	1YZX2	2	\$ 11.50			per mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Mile Zone 3 (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7MX, UK1++	1YZX3	3	\$ 0.75			per mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Mile Zone 3 (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7MX, UK1++	1YZX3	3	\$ 1.50			per mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Mile Zone 3 (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7MX, UK1++	1YZX3	3	\$ 7.50			per mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Mile Interzone (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7MX, UK1++	1YZXZ	I	\$ 0.30			per mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Mile Interzone (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7MX, UK1++	1YZXZ	I	\$ 0.60			per mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS1 Interoffice Mileage Per Mile Interzone (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7MX, UK1++	1YZXZ	I	\$ 3.00			per mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Zone 1 (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7NX, UK3++	CZ4W1	1	\$ 194.73			Per Point
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Zone 1 (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7NX, UK3++	CZ4W1	1	\$ 389.46			Per Point
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Zone 1 (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7NX, UK3++	CZ4W1	1	\$ 1,947.30			Per Point
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Zone 2 (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7NX, UK3++	CZ4W2	2	\$ 172.47			Per Point
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Zone 2 (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7NX, UK3++	CZ4W2	2	\$ 344.94			Per Point
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Zone 2 (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7NX, UK3++	CZ4W2	2	\$ 1,724.70			Per Point

LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Zone 3 (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7NX, UK3++	CZ4W3	3	\$ 165.03			Per Point
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Zone 3 (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7NX, UK3++	CZ4W3	3	\$ 330.06			Per Point
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Zone 3 (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7NX, UK3++	CZ4W3	3	\$ 1,650.30			Per Point
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Interzone (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7NX, UK3++	CZ4WZ	I	\$ 182.25			Per Point
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Interzone (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7NX, UK3++	CZ4WZ	I	\$ 364.50			Per Point
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Interzone (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7NX, UK3++	CZ4WZ	I	\$ 1,822.50			Per Point
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage - Per Mile Zone 1 (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7NX, UK3++	1YZB1	1	\$ 9.30			Per Mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage - Per Mile Zone 1 (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7NX, UK3++	1YZB1	1	\$ 18.60			Per Mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage - Per Mile Zone 1 (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7NX, UK3++	1YZB1	1	\$ 93.00			Per Mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage - Per Mile Zone 2 (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7NX, UK3++	1YZB2	2	\$ 5.76			Per Mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage - Per Mile Zone 2 (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7NX, UK3++	1YZB2	2	\$ 11.52			Per Mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage - Per Mile Zone 2 (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7NX, UK3++	1YZB2	2	\$ 57.60			Per Mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage - Per Mile Zone 3 (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7NX, UK3++	1YZB3	3	\$ 14.28			Per Mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage - Per Mile Zone 3 (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7NX, UK3++	1YZB3	3	\$ 28.56			Per Mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage - Per Mile Zone 3 (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7NX, UK3++	1YZB3	3	\$ 142.80			Per Mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage - Per Mile Interzone (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7NX, UK3++	1YZBZ	I	\$ 5.59			Per Mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage - Per Mile Interzone (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7NX, UK3++	1YZBZ	I	\$ 11.18			Per Mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	DS3 Interoffice Mileage - Per Mile Interzone (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7NX, UK3++	1YZBZ	I	\$ 55.90			Per Mile
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS1 to Voice Grade All Zones, Per Arrangement (Effective July 12, 2022 - July 11, 2023)	UB5++, UK1++	QMVX1		\$ 420.36	NA	NA	Per Arrangement
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS1 to Voice Grade All Zones, Per Arrangement (Effective July 12, 2023 - July 11, 2024)	UB5++, UK1++	QMVX1		\$ 840.72	NA	NA	Per Arrangement
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS1 to Voice Grade All Zones, Per Arrangement (Effective July 12, 2024 - July 11, 2025)	UB5++, UK1++	QMVX1		\$ 4,203.60	NA	NA	Per Arrangement
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS1 to Voice Grade All Zones, Per Arrangement (Effective July 12, 2022 - July 11, 2023)	UB5++, UK1++	QMVX2		\$ 420.36	NA	NA	Per Arrangement
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS1 to Voice Grade All Zones, Per Arrangement (Effective July 12, 2023 - July 11, 2024)	UB5++, UK1++	QMVX2		\$ 840.72	NA	NA	Per Arrangement
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS1 to Voice Grade All Zones, Per Arrangement (Effective July 12, 2024 - July 11, 2025)	UB5++, UK1++	QMVX2		\$ 4,203.60	NA	NA	Per Arrangement
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS1 to Voice Grade All Zones, Per Arrangement (Effective July 12, 2022 - July 11, 2023)	UB5++, UK1++	QMVX3		\$ 420.36	NA	NA	Per Arrangement
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS1 to Voice Grade All Zones, Per Arrangement (Effective July 12, 2023 - July 11, 2024)	UB5++, UK1++	QMVX3		\$ 840.72	NA	NA	Per Arrangement
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS1 to Voice Grade All Zones, Per Arrangement (Effective July 12, 2024 - July 11, 2025)	UB5++, UK1++	QMVX3		\$ 4,203.60	NA	NA	Per Arrangement
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS3 to DS1 All Zones, Per Arrangement (Effective July 12, 2022 - July 11, 2023)	UB5++, UK3++	QM3X1		\$ 621.82	NA	NA	per arrangement
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS3 to DS1 All Zones, Per Arrangement (Effective July 12, 2023 - July 11, 2024)	UB5++, UK3++	QM3X1		\$ 1,243.64	NA	NA	per arrangement
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS3 to DS1 All Zones, Per Arrangement (Effective July 12, 2024 - July 11, 2025)	UB5++, UK3++	QM3X1		\$ 6,218.20	NA	NA	per arrangement
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS3 to DS1 All Zones, Per Arrangement (Effective July 12, 2022 - July 11, 2023)	UB5++, UK3++	QM3X2		\$ 621.82	NA	NA	per arrangement
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS3 to DS1 All Zones, Per Arrangement (Effective July 12, 2023 - July 11, 2024)	UB5++, UK3++	QM3X2		\$ 1,243.64	NA	NA	per arrangement
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS3 to DS1 All Zones, Per Arrangement (Effective July 12, 2024 - July 11, 2025)	UB5++, UK3++	QM3X2		\$ 6,218.20	NA	NA	per arrangement
LWT	MI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS3 to DS1 All Zones, Per Arrangement (Effective July 12, 2022 - July 11, 2023)	UB5++, UK3++	QM3X3		\$ 621.82	NA	NA	per arrangement

LWT	MI	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS3 to DS1 All Zones, Per Arrangement (Effective July 12, 2023 - July 11, 2024)	UB5++, UK3++	QM3X3		\$ 1,243.64	NA	NA	per arrangement
LWT	MI	AT&T LOCAL WHOLESAL TRANSPORT	Multiplexing DS3 to DS1 All Zones, Per Arrangement (Effective July 12, 2024 - July 11, 2025)	UB5++, UK3++	QM3X3		\$ 6,218.20	NA	NA	per arrangement
LWT	MI	AT&T LOCAL WHOLESAL TRANSPORT	Dedicated Transport Cross Connects DS1 (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7MX, UK1++	CXCDX		\$ 10.33	NA	NA	
LWT	MI	AT&T LOCAL WHOLESAL TRANSPORT	Dedicated Transport Cross Connects DS1 (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7MX, UK1++	CXCDX		\$ 20.66	NA	NA	
LWT	MI	AT&T LOCAL WHOLESAL TRANSPORT	Dedicated Transport Cross Connects DS1 (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7MX, UK1++	CXCDX		\$ 103.30	NA	NA	

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Urban STL, KC) (Effective July 12, 2022 - July 11, 2023)		ULNHS	1	\$ 167.17	\$ 455.35	\$ 291.05	1st mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Urban STL, KC) (Effective July 12, 2023 - July 11, 2024)		ULNHS	1	\$ 334.34	\$ 455.35	\$ 291.05	1st mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Urban STL, KC) (Effective July 12, 2024 - July 11, 2025)		ULNHS	1	\$ 1,671.70	\$ 455.35	\$ 291.05	1st mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2022 - July 11, 2023)		ULNHS	2	\$ 227.32	\$ 455.35	\$ 291.05	1st mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2023 - July 11, 2024)		ULNHS	2	\$ 454.64	\$ 455.35	\$ 291.05	1st mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2024 - July 11, 2025)		ULNHS	2	\$ 2,273.20	\$ 455.35	\$ 291.05	1st mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Rural) (Effective July 12, 2022 - July 11, 2023)		ULNHS	3	\$ 418.95	\$ 455.35	\$ 291.05	1st mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Rural) (Effective July 12, 2023 - July 11, 2024)		ULNHS	3	\$ 837.90	\$ 455.35	\$ 291.05	1st mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Rural) (Effective July 12, 2024 - July 11, 2025)		ULNHS	3	\$ 4,189.50	\$ 455.35	\$ 291.05	1st mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 4 (Urban Springfield) (Effective July 12, 2022 - July 11, 2023)		ULNHS	4	\$ 167.17	\$ 455.35	\$ 291.05	1st mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 4 (Urban Springfield) (Effective July 12, 2023 - July 11, 2024)		ULNHS	4	\$ 334.34	\$ 455.35	\$ 291.05	1st mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 4 (Urban Springfield) (Effective July 12, 2024 - July 11, 2025)		ULNHS	4	\$ 1,671.70	\$ 455.35	\$ 291.05	1st mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone (Effective July 12, 2022 - July 11, 2023)		ULNHS	I	\$ 300.15	\$ 455.35	\$ 291.05	1st mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone (Effective July 12, 2023 - July 11, 2024)		ULNHS	I	\$ 600.30	\$ 455.35	\$ 291.05	1st mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone (Effective July 12, 2024 - July 11, 2025)		ULNHS	I	\$ 3,001.50	\$ 455.35	\$ 291.05	1st mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Urban STL, KC) (Effective July 12, 2022 - July 11, 2023)		ULNHS	1	\$ 4.65	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Urban STL, KC) (Effective July 12, 2023 - July 11, 2024)		ULNHS	1	\$ 9.30	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Urban STL, KC) (Effective July 12, 2024 - July 11, 2025)		ULNHS	1	\$ 46.50	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2022 - July 11, 2023)		ULNHS	2	\$ 13.12	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2023 - July 11, 2024)		ULNHS	2	\$ 26.24	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2024 - July 11, 2025)		ULNHS	2	\$ 131.20	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Rural) (Effective July 12, 2022 - July 11, 2023)		ULNHS	3	\$ 21.82	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Rural) (Effective July 12, 2023 - July 11, 2024)		ULNHS	3	\$ 43.64	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Rural) (Effective July 12, 2024 - July 11, 2025)		ULNHS	3	\$ 218.20	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 4 (Urban Springfield) (Effective July 12, 2022 - July 11, 2023)		ULNHS	4	\$ 4.65	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 4 (Urban Springfield) (Effective July 12, 2023 - July 11, 2024)		ULNHS	4	\$ 9.30	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 4 (Urban Springfield) (Effective July 12, 2024 - July 11, 2025)		ULNHS	4	\$ 46.50	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2022 - July 11, 2023)		ULNHS	I	\$ 7.20	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2023 - July 11, 2024)		ULNHS	I	\$ 14.40	NA	NA	each additional mile

LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2024 - July 11, 2025)		ULNHS	I	\$ 72.00	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Urban STL, KC) (Effective July 12, 2022 - July 11, 2023)		ULNJS	1	\$ 2,084.17	\$ 490.35	\$ 332.75	1st mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Urban STL, KC) (Effective July 12, 2023 - July 11, 2024)		ULNJS	1	\$ 4,168.34	\$ 490.35	\$ 332.75	1st mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Urban STL, KC) (Effective July 12, 2024 - July 11, 2025)		ULNJS	1	\$ 20,841.70	\$ 490.35	\$ 332.75	1st mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2022 - July 11, 2023)		ULNJS	2	\$ 4,175.10	\$ 490.35	\$ 332.75	1st mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2023 - July 11, 2024)		ULNJS	2	\$ 8,350.20	\$ 490.35	\$ 332.75	1st mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2024 - July 11, 2025)		ULNJS	2	\$ 41,751.00	\$ 490.35	\$ 332.75	1st mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Rural) (Effective July 12, 2022 - July 11, 2023)		ULNJS	3	\$ 5,077.42	\$ 490.35	\$ 332.75	1st mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Rural) (Effective July 12, 2023 - July 11, 2024)		ULNJS	3	\$ 10,154.84	\$ 490.35	\$ 332.75	1st mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Rural) (Effective July 12, 2024 - July 11, 2025)		ULNJS	3	\$ 50,774.20	\$ 490.35	\$ 332.75	1st mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 4 (Urban Springfield) (Effective July 12, 2022 - July 11, 2023)		ULNJS	4	\$ 2,084.17	\$ 490.35	\$ 332.75	1st mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 4 (Urban Springfield) (Effective July 12, 2023 - July 11, 2024)		ULNJS	4	\$ 4,168.34	\$ 490.35	\$ 332.75	1st mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 4 (Urban Springfield) (Effective July 12, 2024 - July 11, 2025)		ULNJS	4	\$ 20,841.70	\$ 490.35	\$ 332.75	1st mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone (Effective July 12, 2022 - July 11, 2023)		ULNJS	I	\$ 4,932.45	\$ 490.35	\$ 332.75	1st mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone (Effective July 12, 2023 - July 11, 2024)		ULNJS	I	\$ 9,864.90	\$ 490.35	\$ 332.75	1st mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone (Effective July 12, 2024 - July 11, 2025)		ULNJS	I	\$ 49,324.50	\$ 490.35	\$ 332.75	1st mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Urban STL, KC) (Effective July 12, 2022 - July 11, 2023)		ULNJS	1	\$ 122.70	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Urban STL, KC) (Effective July 12, 2023 - July 11, 2024)		ULNJS	1	\$ 245.40	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Urban STL, KC) (Effective July 12, 2024 - July 11, 2025)		ULNJS	1	\$ 1,227.00	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2022 - July 11, 2023)		ULNJS	2	\$ 457.12	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2023 - July 11, 2024)		ULNJS	2	\$ 914.24	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2024 - July 11, 2025)		ULNJS	2	\$ 4,571.20	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Rural) (Effective July 12, 2022 - July 11, 2023)		ULNJS	3	\$ 469.35	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Rural) (Effective July 12, 2023 - July 11, 2024)		ULNJS	3	\$ 938.70	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Rural) (Effective July 12, 2024 - July 11, 2025)		ULNJS	3	\$ 4,693.50	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 4 (Urban Springfield) (Effective July 12, 2022 - July 11, 2023)		ULNJS	4	\$ 122.70	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 4 (Urban Springfield) (Effective July 12, 2023 - July 11, 2024)		ULNJS	4	\$ 245.40	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 4 (Urban Springfield) (Effective July 12, 2024 - July 11, 2025)		ULNJS	4	\$ 1,227.00	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2022 - July 11, 2023)		ULNJS	I	\$ 186.67	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2023 - July 11, 2024)		ULNJS	I	\$ 373.34	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2024 - July 11, 2025)		ULNJS	I	\$ 1,866.70	NA	NA	each additional mile
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	Dedicated Transport Cross Connect to POA: DS1 - Method 1 (Effective July 12, 2022 - July 11, 2023)		UXRQ1	1	\$ 18.45	NA	NA	
LWT	MO	AT&T LOCAL WHOLESale TRANSPORT	Dedicated Transport Cross Connect to POA: DS1 - Method 1 (Effective July 12, 2023 - July 11, 2024)		UXRQ1	1	\$ 36.90	NA	NA	

LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	Dedicated Transport Cross Connect to POA: DS1 - Method 1 (Effective July 12, 2024 - July 11, 2025)		UXRQ1	1	\$ 184.50	NA	NA	
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	Dedicated Transport Cross Connect to POA: DS1 - Method 2 (Effective July 12, 2022 - July 11, 2023)		UXRQ2	2	\$ 18.52	NA	NA	
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	Dedicated Transport Cross Connect to POA: DS1 - Method 2 (Effective July 12, 2023 - July 11, 2024)		UXRQ2	2	\$ 37.04	NA	NA	
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	Dedicated Transport Cross Connect to POA: DS1 - Method 2 (Effective July 12, 2024 - July 11, 2025)		UXRQ2	2	\$ 185.20	NA	NA	
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	Dedicated Transport Cross Connect to POA: DS1 - Method 3 (Effective July 12, 2022 - July 11, 2023)		UXRQ3	3	\$ 18.52	NA	NA	
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	Dedicated Transport Cross Connect to POA: DS1 - Method 3 (Effective July 12, 2023 - July 11, 2024)		UXRQ3	3	\$ 37.04	NA	NA	
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	Dedicated Transport Cross Connect to POA: DS1 - Method 3 (Effective July 12, 2024 - July 11, 2025)		UXRQ3	3	\$ 185.20	NA	NA	
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DS1 to VG - Multiplexing (Effective July 12, 2022 - July 11, 2023)		UM4BX		\$ 299.40	\$ 29.85	\$ 17.90	
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DS1 to VG - Multiplexing (Effective July 12, 2023 - July 11, 2024)		UM4BX		\$ 598.80	\$ 29.85	\$ 17.90	
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DS1 to VG - Multiplexing (Effective July 12, 2024 - July 11, 2025)		UM4BX		\$ 2,994.00	\$ 29.85	\$ 17.90	
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DS3 to DS1 - Multiplexing (Effective July 12, 2022 - July 11, 2023)		UM4AX		\$ 1,068.07	\$ 980.20	\$ 924.15	
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DS3 to DS1 - Multiplexing (Effective July 12, 2023 - July 11, 2024)		UM4AX		\$ 2,136.14	\$ 980.20	\$ 924.15	
LWT	MO	AT&T LOCAL WHOLESAL TRANSPORT	DS3 to DS1 - Multiplexing (Effective July 12, 2024 - July 11, 2025)		UM4AX		\$ 10,680.70	\$ 980.20	\$ 924.15	

PRICING SHEETS
Exhibit A – DS1 DS3 Local Wholesale Transport

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
LWT	MS	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2022 - July 11, 2023)	U1TD1	1L5XX		\$ 0.30			mile
LWT	MS	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2023 - July 11, 2024)	U1TD1	1L5XX		\$ 0.60			
LWT	MS	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2024 - July 11, 2025)	U1TD1	1L5XX		\$ 3.00			
LWT	MS	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2022 - July 11, 2023)	U1TD1	U1TF1		\$ 85.99	\$ 89.79	\$ 82.28	
LWT	MS	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2023 - July 11, 2024)	U1TD1	U1TF1		\$ 171.98	\$ 89.79	\$ 82.28	
LWT	MS	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2024 - July 11, 2025)	U1TD1	U1TF1		\$ 859.90	\$ 89.79	\$ 82.28	
LWT	MS	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2022 - July 11, 2023)	U1TD3	1L5XX		\$ 7.14			mile
LWT	MS	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2023 - July 11, 2024)	U1TD3	1L5XX		\$ 14.28			
LWT	MS	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2024 - July 11, 2025)	U1TD3	1L5XX		\$ 71.40			
LWT	MS	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2022 - July 11, 2023)	U1TD3	U1TF3		\$ 962.85	\$ 280.37	\$ 163.70	
LWT	MS	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2023 - July 11, 2024)	U1TD3	U1TF3		\$ 1,925.70	\$ 280.37	\$ 163.70	
LWT	MS	AT&T LOCAL WHOLESale TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2024 - July 11, 2025)	U1TD3	U1TF3		\$ 9,628.50	\$ 280.37	\$ 163.70	

PRICING SHEETS
Exhibit A – DS1 DS3 Local Wholesale Transport

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
LWT	NC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2022 - July 11, 2023)	U1TD1	1L5XX		\$ 0.29			mile
LWT	NC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2023 - July 11, 2024)	U1TD1	1L5XX		\$ 0.58			
LWT	NC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2024 - July 11, 2025)	U1TD1	1L5XX		\$ 2.90			
LWT	NC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2022 - July 11, 2023)	U1TD3	1L5XX		\$ 6.65			mile
LWT	NC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2023 - July 11, 2024)	U1TD3	1L5XX		\$ 13.32			
LWT	NC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2024 - July 11, 2025)	U1TD3	1L5XX		\$ 66.60			
LWT	NC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2022 - July 11, 2023)	U1TD1	U1TF1		\$ 46.59	\$ 234.02	\$ 162.52	
LWT	NC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2023 - July 11, 2024)	U1TD1	U1TF1		\$ 93.18	\$ 234.02	\$ 162.52	
LWT	NC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2024 - July 11, 2025)	U1TD1	U1TF1		\$ 465.90	\$ 234.02	\$ 162.52	
LWT	NC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2022 - July 11, 2023)	U1TD3	U1TF3		\$ 494.86	\$ 270.69	\$ 158.05	
LWT	NC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2023 - July 11, 2024)	U1TD3	U1TF3		\$ 989.72	\$ 270.69	\$ 158.05	
LWT	NC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2024 - July 11, 2025)	U1TD3	U1TF3		\$ 4,948.60	\$ 270.69	\$ 158.05	

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport - DS1 Interoffice Transport - Statewide - Fixed (per termination) (Effective July 12, 2022 - July 11, 2023)	CT1AA, CT1CL, EE7MA, EE7MB, EE7MN	1L5UB		\$ 48.48			
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport - DS1 Interoffice Transport - Statewide - Fixed (per termination) (Effective July 12, 2023 - July 11, 2024)	CT1AA, CT1CL, EE7MA, EE7MB, EE7MN	1L5UB		\$ 96.96			
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport - DS1 Interoffice Transport - Statewide - Fixed (per termination) (Effective July 12, 2024 - July 11, 2025)	CT1AA, CT1CL, EE7MA, EE7MB, EE7MN	1L5UB		\$ 484.80			
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport - DS1 Interoffice Transport - Statewide - Variable (per mile) (Effective July 12, 2022 - July 11, 2023)	CT3AA, CT3CL, EE7PA, EE7PB, EE7PN, EE7QA, EE7QB, EE7QN	1L5UB		\$ 2.76			
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport - DS1 Interoffice Transport - Statewide - Variable (per mile) (Effective July 12, 2023 - July 11, 2024)	CT3AA, CT3CL, EE7PA, EE7PB, EE7PN, EE7QA, EE7QB, EE7QN	1L5UB		\$ 5.52			
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport - DS1 Interoffice Transport - Statewide - Variable (per mile) (Effective July 12, 2024 - July 11, 2025)	CT3AA, CT3CL, EE7PA, EE7PB, EE7PN, EE7QA, EE7QB, EE7QN	1L5UB		\$ 27.60			
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport - DS3 Interoffice Transport - Statewide - Fixed (per termination) (Effective July 12, 2022 - July 11, 2023)	CT1AA, CT1CL, EE7MA, EE7MB, EE7MN	1L5UB		\$ 559.05			
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport - DS3 Interoffice Transport - Statewide - Fixed (per termination) (Effective July 12, 2023 - July 11, 2024)	CT1AA, CT1CL, EE7MA, EE7MB, EE7MN	1L5UB		\$ 1,118.10			
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport - DS3 Interoffice Transport - Statewide - Fixed (per termination) (Effective July 12, 2024 - July 11, 2025)	CT1AA, CT1CL, EE7MA, EE7MB, EE7MN	1L5UB		\$ 5,590.50			
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport - DS3 Interoffice Transport - Statewide - Variable (per mile) (Effective July 12, 2022 - July 11, 2023)	CT3AA, CT3CL, EE7PA, EE7PB, EE7PN, EE7QA, EE7QB, EE7QN	1L5UB		\$ 53.58			
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport - DS3 Interoffice Transport - Statewide - Variable (per mile) (Effective July 12, 2023 - July 11, 2024)	CT3AA, CT3CL, EE7PA, EE7PB, EE7PN, EE7QA, EE7QB, EE7QN	1L5UB		\$ 107.16			
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport - DS3 Interoffice Transport - Statewide - Variable (per mile) (Effective July 12, 2024 - July 11, 2025)	CT3AA, CT3CL, EE7PA, EE7PB, EE7PN, EE7QA, EE7QB, EE7QN	1L5UB		\$ 535.80			
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport Cross Connect - DS1 to Collocation (Effective July 12, 2022 - July 11, 2023)				\$ 34.47			
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport Cross Connect - DS1 to Collocation (Effective July 12, 2023 - July 11, 2024)				\$ 68.94			
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport Cross Connect - DS1 to Collocation (Effective July 12, 2024 - July 11, 2025)				\$ 442.00			
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport Cross Connect - DS3 to Collocation (Effective July 12, 2022 - July 11, 2023)				\$ 44.20			
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport Cross Connect - DS3 to Collocation (Effective July 12, 2023 - July 11, 2024)				\$ 88.40			
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport Cross Connect - DS3 to Collocation (Effective July 12, 2024 - July 11, 2025)				\$ 442.00			
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing - DS1 / Voice Grade (Effective July 12, 2022 - July 11, 2023)	CT1AA, CT1CL, EE7MA, EE7MB, EE7MN	MQ1UB		\$ 398.83			
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing - DS1 / Voice Grade (Effective July 12, 2023 - July 11, 2024)	CT1AA, CT1CL, EE7MA, EE7MB, EE7MN	MQ1UB		\$ 797.66			
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing - DS1 / Voice Grade (Effective July 12, 2024 - July 11, 2025)	CT1AA, CT1CL, EE7MA, EE7MB, EE7MN	MQ1UB		\$ 3,988.30			
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing - DS3 / DS1 (Effective July 12, 2022 - July 11, 2023)	CT3AA, CT3CL, EE7PA, EE7PB, EE7PN, EE7QA, EE7QB, EE7QN	MQ3UB		\$ 1,010.91			
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing - DS3 / DS1 (Effective July 12, 2023 - July 11, 2024)	CT3AA, CT3CL, EE7PA, EE7PB, EE7PN, EE7QA, EE7QB, EE7QN	MQ3UB		\$ 2,021.82			
LWT	NV	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing - DS3 / DS1 (Effective July 12, 2024 - July 11, 2025)	CT3AA, CT3CL, EE7PA, EE7PB, EE7PN, EE7QA, EE7QB, EE7QN	MQ3UB		\$ 10,109.10			

PRICING SHEETS
Exhibit A – DS1 DS3 Local Wholesale Transport

LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage - Per Mile - All Zones (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7NX, UK3++	1YZB1		\$ 324.10	NA		Per Mile
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage - Per Mile - All Zones (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7NX, UK3++	1YZB2		\$ 32.41	NA		Per Mile
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage - Per Mile - All Zones (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7NX, UK3++	1YZB2		\$ 64.82	NA		Per Mile
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage - Per Mile - All Zones (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7NX, UK3++	1YZB2		\$ 324.10	NA		Per Mile
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage - Per Mile - All Zones (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7NX, UK3++	1YZB3		\$ 32.41	NA		Per Mile
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage - Per Mile - All Zones (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7NX, UK3++	1YZB3		\$ 64.82	NA		Per Mile
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage - Per Mile - All Zones (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7NX, UK3++	1YZB3		\$ 324.10	NA		Per Mile
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2022 - July 11, 2023)	UB5++, UK1++	QMVX1		\$ 419.70	NA		
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2023 - July 11, 2024)	UB5++, UK1++	QMVX1		\$ 839.40	NA		
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2024 - July 11, 2025)	UB5++, UK1++	QMVX1		\$ 4,197.00	NA		
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2022 - July 11, 2023)	UB5++, UK1++	QMVX2		\$ 419.70	NA		
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2023 - July 11, 2024)	UB5++, UK1++	QMVX2		\$ 839.40	NA		
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2024 - July 11, 2025)	UB5++, UK1++	QMVX2		\$ 4,197.00	NA		
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2022 - July 11, 2023)	UB5++, UK1++	QMVX3		\$ 419.70	NA		
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2023 - July 11, 2024)	UB5++, UK1++	QMVX3		\$ 839.40	NA		
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2024 - July 11, 2025)	UB5++, UK1++	QMVX3		\$ 4,197.00	NA		
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Dedicated Transport Cross Connects DS1 (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7MX, UK1++	CXCDX		\$ 0.60	NA		
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Dedicated Transport Cross Connects DS1 (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7MX, UK1++	CXCDX		\$ 1.20	NA		
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Dedicated Transport Cross Connects DS1 (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7MX, UK1++	CXCDX		\$ 6.00	NA		
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Dedicated Transport Cross Connects DS3 (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7NX, UK3++	CXCEX		\$ 1.05	NA		
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Dedicated Transport Cross Connects DS3 (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7NX, UK3++	CXCEX		\$ 2.10	NA		
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Dedicated Transport Cross Connects DS3 (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7NX, UK3++	CXCEX		\$ 10.50	NA		
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2022 - July 11, 2023)	UB5++, UK3++	QM3X1		\$ 559.27	NA		
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2023 - July 11, 2024)	UB5++, UK3++	QM3X1		\$ 1,118.54	NA		
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2024 - July 11, 2025)	UB5++, UK3++	QM3X1		\$ 5,592.70	NA		
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2022 - July 11, 2023)	UB5++, UK3++	QM3X2		\$ 559.27	NA		
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2023 - July 11, 2024)	UB5++, UK3++	QM3X2		\$ 1,118.54	NA		
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2024 - July 11, 2025)	UB5++, UK3++	QM3X2		\$ 5,592.70	NA		
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2022 - July 11, 2023)	UB5++, UK3++	QM3X3		\$ 559.27	NA		
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2023 - July 11, 2024)	UB5++, UK3++	QM3X3		\$ 1,118.54	NA		
LWT	OH	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2024 - July 11, 2025)	UB5++, UK3++	QM3X3		\$ 5,592.70	NA		

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Rural) (Effective July 12, 2022 - July 11, 2023)		ULNHS	1	\$ 223.48	\$ 301.93	\$ 179.82	first mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Rural) (Effective July 12, 2023 - July 11, 2024)		ULNHS	1	\$ 446.96	\$ 301.93	\$ 179.82	first mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Rural) (Effective July 12, 2024 - July 11, 2025)		ULNHS	1	\$ 2,234.80	\$ 301.93	\$ 179.82	first mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2022 - July 11, 2023)		ULNHS	2	\$ 138.28	\$ 301.93	\$ 179.82	first mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2023 - July 11, 2024)		ULNHS	2	\$ 276.56	\$ 301.93	\$ 179.82	first mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2024 - July 11, 2025)		ULNHS	2	\$ 1,382.80	\$ 301.93	\$ 179.82	first mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Urban) (Effective July 12, 2022 - July 11, 2023)		ULNHS	3	\$ 117.13	\$ 301.93	\$ 179.82	first mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Urban) (Effective July 12, 2023 - July 11, 2024)		ULNHS	3	\$ 234.26	\$ 301.93	\$ 179.82	first mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Urban) (Effective July 12, 2024 - July 11, 2025)		ULNHS	3	\$ 1,171.30	\$ 301.93	\$ 179.82	first mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone (Effective July 12, 2022 - July 11, 2023)		ULNHS	I	\$ 210.60	\$ 301.93	\$ 179.82	first mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone (Effective July 12, 2023 - July 11, 2024)		ULNHS	I	\$ 421.20	\$ 301.93	\$ 179.82	first mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone (Effective July 12, 2024 - July 11, 2025)		ULNHS	I	\$ 2,106.00	\$ 301.93	\$ 179.82	first mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Rural) (Effective July 12, 2022 - July 11, 2023)		ULNHS	1	\$ 11.52	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Rural) (Effective July 12, 2023 - July 11, 2024)		ULNHS	1	\$ 23.04	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Rural) (Effective July 12, 2024 - July 11, 2025)		ULNHS	1	\$ 115.20	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2022 - July 11, 2023)		ULNHS	2	\$ 21.25	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2023 - July 11, 2024)		ULNHS	2	\$ 42.50	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2024 - July 11, 2025)		ULNHS	2	\$ 212.50	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Urban) (Effective July 12, 2022 - July 11, 2023)		ULNHS	3	\$ 3.36	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Urban) (Effective July 12, 2023 - July 11, 2024)		ULNHS	3	\$ 6.72	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Urban) (Effective July 12, 2024 - July 11, 2025)		ULNHS	3	\$ 33.60	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2022 - July 11, 2023)		ULNHS	I	\$ 4.48	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2023 - July 11, 2024)		ULNHS	I	\$ 8.96	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2024 - July 11, 2025)		ULNHS	I	\$ 44.80	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Rural) (Effective July 12, 2022 - July 11, 2023)		ULNJS	1	\$ 3,011.68	\$ 336.40	\$ 218.88	first mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Rural) (Effective July 12, 2023 - July 11, 2024)		ULNJS	1	\$ 6,023.36	\$ 336.40	\$ 218.88	first mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Rural) (Effective July 12, 2024 - July 11, 2025)		ULNJS	1	\$ 30,116.80	\$ 336.40	\$ 218.88	first mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2022 - July 11, 2023)		ULNJS	2	\$ 1,835.59	\$ 336.40	\$ 218.88	first mile
LWT	OK	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2023 - July 11, 2024)		ULNJS	2	\$ 3,671.18	\$ 336.40	\$ 218.88	first mile

LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2024 - July 11, 2025)		ULNJS	2	\$ 18,355.90	\$ 336.40	\$ 218.88	first mile
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Urban) (Effective July 12, 2022 - July 11, 2023)		ULNJS	3	\$ 1,234.17	\$ 336.40	\$ 218.88	first mile
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Urban) (Effective July 12, 2023 - July 11, 2024)		ULNJS	3	\$ 2,468.34	\$ 336.40	\$ 218.88	first mile
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Urban) (Effective July 12, 2024 - July 11, 2025)		ULNJS	3	\$ 12,341.70	\$ 336.40	\$ 218.88	first mile
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone (Effective July 12, 2022 - July 11, 2023)		ULNJS	I	\$ 2,544.46	\$ 336.40	\$ 218.88	first mile
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone (Effective July 12, 2023 - July 11, 2024)		ULNJS	I	\$ 5,088.92	\$ 336.40	\$ 218.88	first mile
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone (Effective July 12, 2024 - July 11, 2025)		ULNJS	I	\$ 25,444.60	\$ 336.40	\$ 218.88	first mile
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Rural) (Effective July 12, 2022 - July 11, 2023)		ULNJS	1	\$ 240.21	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Rural) (Effective July 12, 2023 - July 11, 2024)		ULNJS	1	\$ 480.42	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Rural) (Effective July 12, 2024 - July 11, 2025)		ULNJS	1	\$ 2,402.10	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2022 - July 11, 2023)		ULNJS	2	\$ 411.52	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2023 - July 11, 2024)		ULNJS	2	\$ 823.04	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2024 - July 11, 2025)		ULNJS	2	\$ 4,115.20	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Urban) (Effective July 12, 2022 - July 11, 2023)		ULNJS	3	\$ 88.00	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Urban) (Effective July 12, 2023 - July 11, 2024)		ULNJS	3	\$ 176.00	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Urban) (Effective July 12, 2024 - July 11, 2025)		ULNJS	3	\$ 1,320.00	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2022 - July 11, 2023)		ULNJS	I	\$ 87.19	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2023 - July 11, 2024)		ULNJS	I	\$ 174.38	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2024 - July 11, 2025)		ULNJS	I	\$ 871.90	NA	NA	additional mile
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DS1 to VG (Effective July 12, 2022 - July 11, 2023)		UM4BX		\$ 274.24	\$ 178.12	\$ 105.56	
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DS1 to VG (Effective July 12, 2023 - July 11, 2024)		UM4BX		\$ 548.48	\$ 178.12	\$ 105.56	
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DS1 to VG (Effective July 12, 2024 - July 11, 2025)		UM4BX		\$ 2,742.40	\$ 178.12	\$ 105.56	
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DS3 to DS1 (Effective July 12, 2022 - July 11, 2023)		UM4AX		\$ 948.76	\$ 895.90	\$ 522.41	
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DS3 to DS1 (Effective July 12, 2023 - July 11, 2024)		UM4AX		\$ 1,897.52	\$ 895.90	\$ 522.41	
LWT	OK	AT&T LOCAL WHOLESAL TRANSPORT	DS3 to DS1 (Effective July 12, 2024 - July 11, 2025)		UM4AX		\$ 9,487.60	\$ 895.90	\$ 522.41	

PRICING SHEETS
Exhibit A – DS1 DS3 Local Wholesale Transport

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
LWT	SC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2022 - July 11, 2023)	U1TD1	1L5XX		\$ 0.51			mile
LWT	SC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2023 - July 11, 2024)	U1TD1	1L5XX		\$ 1.02			
LWT	SC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - per mile (Effective July 12, 2024 - July 11, 2025)	U1TD1	1L5XX		\$ 5.10			
LWT	SC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2022 - July 11, 2023)	U1TD1	U1TF1		\$ 115.71	\$ 89.47	\$ 81.99	
LWT	SC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2023 - July 11, 2024)	U1TD1	U1TF1		\$ 231.42	\$ 89.47	\$ 81.99	
LWT	SC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2024 - July 11, 2025)	U1TD1	U1TF1		\$ 1,157.10	\$ 89.47	\$ 81.99	
LWT	SC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2022 - July 11, 2023)	U1TD3	1L5XX		\$ 12.03			mile
LWT	SC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2023 - July 11, 2024)	U1TD3	1L5XX		\$ 24.06			
LWT	SC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - per mile (Effective July 12, 2024 - July 11, 2025)	U1TD3	1L5XX		\$ 120.30			
LWT	SC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2022 - July 11, 2023)	U1TD3	U1TF3		\$ 1,320.97	\$ 279.37	\$ 163.12	
LWT	SC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2023 - July 11, 2024)	U1TD3	U1TF3		\$ 2,641.94	\$ 279.37	\$ 163.12	
LWT	SC	AT&T LOCAL WHOLESALE TRANSPORT	Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2024 - July 11, 2025)	U1TD3	U1TF3		\$ 13,209.70	\$ 279.37	\$ 163.12	

PRICING SHEETS
Exhibit A – DS1 DS3 Local Wholesale Transport

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
LWT	TN	AT&T LOCAL WHOLESALE TRANSPORT	Stand Alone - Interoffice Channel - DS1 - per mile (Effective July 12, 2022 - July 11, 2023)	U1TD1	1L5XX		\$ 0.53			mile
LWT	TN	AT&T LOCAL WHOLESALE TRANSPORT	Stand Alone - Interoffice Channel - DS1 - per mile (Effective July 12, 2023 - July 11, 2024)	U1TD1	1L5XX		\$ 1.06			
LWT	TN	AT&T LOCAL WHOLESALE TRANSPORT	Stand Alone - Interoffice Channel - DS1 - per mile (Effective July 12, 2024 - July 11, 2025)	U1TD1	1L5XX		\$ 5.30			
LWT	TN	AT&T LOCAL WHOLESALE TRANSPORT	Stand Alone - Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2022 - July 11, 2023)	U1TD1	U1TF1		\$ 116.79	\$ 112.40	\$ 76.27	
LWT	TN	AT&T LOCAL WHOLESALE TRANSPORT	Stand Alone - Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2023 - July 11, 2024)	U1TD1	U1TF1		\$ 233.58	\$ 112.40	\$ 76.27	
LWT	TN	AT&T LOCAL WHOLESALE TRANSPORT	Stand Alone - Interoffice Channel - DS1 - Facility Termination (Effective July 12, 2024 - July 11, 2025)	U1TD1	U1TF1		\$ 1,167.90	\$ 112.40	\$ 76.27	
LWT	TN	AT&T LOCAL WHOLESALE TRANSPORT	Stand Alone - Interoffice Channel - DS3 - per mile (Effective July 12, 2022 - July 11, 2023)	U1TD3	1L5XX		\$ 3.51			mile
LWT	TN	AT&T LOCAL WHOLESALE TRANSPORT	Stand Alone - Interoffice Channel - DS3 - per mile (Effective July 12, 2023 - July 11, 2024)	U1TD3	1L5XX		\$ 7.02			
LWT	TN	AT&T LOCAL WHOLESALE TRANSPORT	Stand Alone - Interoffice Channel - DS3 - per mile (Effective July 12, 2024 - July 11, 2025)	U1TD3	1L5XX		\$ 35.10			
LWT	TN	AT&T LOCAL WHOLESALE TRANSPORT	Stand Alone - Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2022 - July 11, 2023)	U1TD3	U1TF3		\$ 1,273.48	\$ 395.29	\$ 176.56	
LWT	TN	AT&T LOCAL WHOLESALE TRANSPORT	Stand Alone - Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2023 - July 11, 2024)	U1TD3	U1TF3		\$ 2,546.96	\$ 395.29	\$ 176.56	
LWT	TN	AT&T LOCAL WHOLESALE TRANSPORT	Stand Alone - Interoffice Channel - DS3 - Facility Termination (Effective July 12, 2024 - July 11, 2025)	U1TD3	U1TF3		\$ 12,734.80	\$ 395.29	\$ 176.56	

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Rural) (Effective July 12, 2022 - July 11, 2023)		ULNHS	1	\$ 50.64	\$ 52.91	\$ 28.43	first mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Rural) (Effective July 12, 2023 - July 11, 2024)		ULNHS	1	\$ 101.28	\$ 52.91	\$ 28.43	first mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Rural) (Effective July 12, 2024 - July 11, 2025)		ULNHS	1	\$ 506.40	\$ 52.91	\$ 28.43	first mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2022 - July 11, 2023)		ULNHS	2	\$ 48.82	\$ 52.91	\$ 28.43	first mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2023 - July 11, 2024)		ULNHS	2	\$ 97.64	\$ 52.91	\$ 28.43	first mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2024 - July 11, 2025)		ULNHS	2	\$ 488.20	\$ 52.91	\$ 28.43	first mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Urban) (Effective July 12, 2022 - July 11, 2023)		ULNHS	3	\$ 51.12	\$ 52.91	\$ 28.43	first mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Urban) (Effective July 12, 2023 - July 11, 2024)		ULNHS	3	\$ 102.24	\$ 52.91	\$ 28.43	first mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Urban) (Effective July 12, 2024 - July 11, 2025)		ULNHS	3	\$ 511.20	\$ 52.91	\$ 28.43	first mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone (Effective July 12, 2022 - July 11, 2023)		ULNHS	I	\$ 66.48	\$ 52.91	\$ 28.43	first mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone (Effective July 12, 2023 - July 11, 2024)		ULNHS	I	\$ 132.96	\$ 52.91	\$ 28.43	first mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone (Effective July 12, 2024 - July 11, 2025)		ULNHS	I	\$ 664.80	\$ 52.91	\$ 28.43	first mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Rural) (Effective July 12, 2022 - July 11, 2023)		ULNHS	1	\$ 0.15	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Rural) (Effective July 12, 2023 - July 11, 2024)		ULNHS	1	\$ 0.30	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Rural) (Effective July 12, 2024 - July 11, 2025)		ULNHS	1	\$ 1.50	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2022 - July 11, 2023)		ULNHS	2	\$ 0.16	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2023 - July 11, 2024)		ULNHS	2	\$ 0.32	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2024 - July 11, 2025)		ULNHS	2	\$ 1.60	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Urban) (Effective July 12, 2022 - July 11, 2023)		ULNHS	3	\$ 0.20	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Urban) (Effective July 12, 2023 - July 11, 2024)		ULNHS	3	\$ 0.40	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Urban) (Effective July 12, 2024 - July 11, 2025)		ULNHS	3	\$ 2.00	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2022 - July 11, 2023)		ULNHS	I	\$ 0.14	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2023 - July 11, 2024)		ULNHS	I	\$ 0.28	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2024 - July 11, 2025)		ULNHS	I	\$ 1.40	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Rural) (Effective July 12, 2022 - July 11, 2023)		ULNJS	1	\$ 299.65	\$ 81.05	\$ 65.73	first mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Rural) (Effective July 12, 2023 - July 11, 2024)		ULNJS	1	\$ 599.30	\$ 81.05	\$ 65.73	first mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Rural) (Effective July 12, 2024 - July 11, 2025)		ULNJS	1	\$ 2,996.50	\$ 81.05	\$ 65.73	first mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2022 - July 11, 2023)		ULNJS	2	\$ 269.29	\$ 81.05	\$ 65.73	first mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2023 - July 11, 2024)		ULNJS	2	\$ 538.58	\$ 81.05	\$ 65.73	first mile

LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban) (Effective July 12, 2024 - July 11, 2025)		ULNJS	2	\$ 2,692.90	\$ 81.05	\$ 65.73	first mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Urban) (Effective July 12, 2022 - July 11, 2023)		ULNJS	3	\$ 291.90	\$ 81.05	\$ 65.73	first mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Urban) (Effective July 12, 2023 - July 11, 2024)		ULNJS	3	\$ 583.80	\$ 81.05	\$ 65.73	first mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Urban) (Effective July 12, 2024 - July 11, 2025)		ULNJS	3	\$ 2,919.00	\$ 81.05	\$ 65.73	first mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone (Effective July 12, 2022 - July 11, 2023)		ULNJS	I	\$ 462.55	\$ 81.05	\$ 65.73	first mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone (Effective July 12, 2023 - July 11, 2024)		ULNJS	I	\$ 925.10	\$ 81.05	\$ 65.73	first mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone (Effective July 12, 2024 - July 11, 2025)		ULNJS	I	\$ 4,625.50	\$ 81.05	\$ 65.73	first mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Rural) (Effective July 12, 2022 - July 11, 2023)		ULNJS	1	\$ 4.36	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Rural) (Effective July 12, 2023 - July 11, 2024)		ULNJS	1	\$ 8.72	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Rural) (Effective July 12, 2024 - July 11, 2025)		ULNJS	1	\$ 43.60	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2022 - July 11, 2023)		ULNJS	2	\$ 4.80	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2023 - July 11, 2024)		ULNJS	2	\$ 9.60	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban) (Effective July 12, 2024 - July 11, 2025)		ULNJS	2	\$ 48.00	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Urban) (Effective July 12, 2022 - July 11, 2023)		ULNJS	3	\$ 5.93	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Urban) (Effective July 12, 2023 - July 11, 2024)		ULNJS	3	\$ 11.86	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Urban) (Effective July 12, 2024 - July 11, 2025)		ULNJS	3	\$ 59.30	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2022 - July 11, 2023)		ULNJS	I	\$ 4.17	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2023 - July 11, 2024)		ULNJS	I	\$ 8.34	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone (Effective July 12, 2024 - July 11, 2025)		ULNJS	I	\$ 41.70	NA	NA	each additional mile
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DS1 Cross Connect to Collocation (Effective July 12, 2022 - July 11, 2023)	UBNTX	UCXHX		\$ 11.26	\$ 57.08	\$ 40.49	
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DS1 Cross Connect to Collocation (Effective July 12, 2023 - July 11, 2024)	UBNTX	UCXHX		\$ 22.52	\$ 57.08	\$ 40.49	
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DS1 Cross Connect to Collocation (Effective July 12, 2024 - July 11, 2025)	UBNTX	UCXHX		\$ 112.60	\$ 57.08	\$ 40.49	
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DS3 Cross Connect to Collocation (Effective July 12, 2022 - July 11, 2023)		UCXIX		\$ 38.55	\$ 70.78	\$ 54.19	
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DS3 Cross Connect to Collocation (Effective July 12, 2023 - July 11, 2024)		UCXIX		\$ 77.10	\$ 70.78	\$ 54.19	
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	DS3 Cross Connect to Collocation (Effective July 12, 2024 - July 11, 2025)		UCXIX		\$ 385.50	\$ 70.78	\$ 54.19	
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing - DS1 to VG (Effective July 12, 2022 - July 11, 2023)		UM4BX		\$ 373.53	\$ 29.00	\$ 24.15	
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing - DS1 to VG (Effective July 12, 2023 - July 11, 2024)		UM4BX		\$ 747.06	\$ 29.00	\$ 24.15	
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing - DS1 to VG (Effective July 12, 2024 - July 11, 2025)		UM4BX		\$ 3,735.30	\$ 29.00	\$ 24.15	
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing - DS3 to DS1 (Effective July 12, 2022 - July 11, 2023)		UM4AX		\$ 483.09	\$ 41.71	\$ 20.01	
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing - DS3 to DS1 (Effective July 12, 2023 - July 11, 2024)		UM4AX		\$ 966.18	\$ 41.71	\$ 20.01	
LWT	TX	AT&T LOCAL WHOLESale TRANSPORT	Multiplexing - DS3 to DS1 (Effective July 12, 2024 - July 11, 2025)		UM4AX		\$ 4,830.90	\$ 41.71	\$ 20.01	

PRICING SHEETS
Exhibit A – DS1 DS3 Local Wholesale Transport

LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage - Per Mile - All Zones (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7NX, UK3++	1YZB2		\$ 49.93		Per Mile
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage - Per Mile - All Zones (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7NX, UK3++	1YZB2		\$ 99.86		Per Mile
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage - Per Mile - All Zones (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7NX, UK3++	1YZB2		\$ 499.30		Per Mile
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage - Per Mile - All Zones (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7NX, UK3++	1YZB3		\$ 49.93		Per Mile
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage - Per Mile - All Zones (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7NX, UK3++	1YZB3		\$ 99.86		Per Mile
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage - Per Mile - All Zones (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7NX, UK3++	1YZB3		\$ 499.30		Per Mile
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2022 - July 11, 2023)	UB5++, UK1++	QMVX1		\$ 514.36		
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2023 - July 11, 2024)	UB5++, UK1++	QMVX1		\$ 1,028.72		
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2024 - July 11, 2025)	UB5++, UK1++	QMVX1		\$ 5,143.60		
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2022 - July 11, 2023)	UB5++, UK1++	QMVX2		\$ 514.36		
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2023 - July 11, 2024)	UB5++, UK1++	QMVX2		\$ 1,028.72		
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2024 - July 11, 2025)	UB5++, UK1++	QMVX2		\$ 5,143.60		
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2022 - July 11, 2023)	UB5++, UK1++	QMVX3		\$ 514.36		
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2023 - July 11, 2024)	UB5++, UK1++	QMVX3		\$ 1,028.72		
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS1 to Voice Grade (Effective July 12, 2024 - July 11, 2025)	UB5++, UK1++	QMVX3		\$ 5,143.60		
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2022 - July 11, 2023)	UB5++, UK3++	QM3X1		\$ 710.26		
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2023 - July 11, 2024)	UB5++, UK3++	QM3X1		\$ 1,420.52		
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2024 - July 11, 2025)	UB5++, UK3++	QM3X1		\$ 7,102.60		
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2022 - July 11, 2023)	UB5++, UK3++	QM3X2		\$ 710.26		
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2023 - July 11, 2024)	UB5++, UK3++	QM3X2		\$ 1,420.52		
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2024 - July 11, 2025)	UB5++, UK3++	QM3X2		\$ 7,102.60		
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2022 - July 11, 2023)	UB5++, UK3++	QM3X3		\$ 710.26		
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2023 - July 11, 2024)	UB5++, UK3++	QM3X3		\$ 1,420.52		
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Multiplexing DS3 to DS1 (Effective July 12, 2024 - July 11, 2025)	UB5++, UK3++	QM3X3		\$ 7,102.60		
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport Cross Connects DS1 (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7MX, UK1++	CXCDX		\$ 0.78		
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport Cross Connects DS1 (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7MX, UK1++	CXCDX		\$ 1.56		
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport Cross Connects DS1 (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7MX, UK1++	CXCDX		\$ 7.80		
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport Cross Connects DS3 (Effective July 12, 2022 - July 11, 2023)	UB5++, EE7NX, UK3++	CXCEX		\$ 1.44		
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport Cross Connects DS3 (Effective July 12, 2023 - July 11, 2024)	UB5++, EE7NX, UK3++	CXCEX		\$ 2.88		
LWT	WI	AT&T LOCAL WHOLESALE TRANSPORT	Dedicated Transport Cross Connects DS3 (Effective July 12, 2024 - July 11, 2025)	UB5++, EE7NX, UK3++	CXCEX		\$ 14.40		

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
13	AL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX		\$ 0.18			mile
13	AL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1		\$ 60.16	\$ 89.27	\$ 81.81	
13	AL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX		\$ 4.09			mile
13	AL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3		\$ 703.52	\$ 278.75	\$ 162.76	

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
13	AR	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile		ULNHS		\$ 50.00	\$ 310.00	\$ 220.00	first mile
13	AR	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile		ULNHS		\$ 16.80	NA	NA	additional mile
13	AR	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile		ULNJS		\$ 815.00	\$ 338.00	\$ 236.00	first mile
13	AR	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile		ULNJS		\$ 118.00	NA	NA	additional mile
13	AR	UNBUNDLED DEDICATED TRANSPORT	DS1 to VG - Multiplexing		UM4BX		\$ 180.00	\$ 260.00	\$ 161.00	
13	AR	UNBUNDLED DEDICATED TRANSPORT	DS3 to DS1 - Multiplexing		UM4AX		\$ 815.00	\$ 1,372.00	\$ 813.00	
13	AR	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 1		UXRA1	1	\$ 0.95	\$ 105.70	\$ 69.40	
13	AR	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 2		UXRA2	2	\$ 1.05	\$ 105.70	\$ 69.40	
13	AR	UNBUNDLED DEDICATED TRANSPORT	2-Wire Analog Loop Cross Connect to POA - Method 3		UXRA3	3	\$ 1.05	\$ 105.70	\$ 69.40	

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
13	CA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS-1 Fixed Mileage (OANAD Terminology - Dedicated Transport Fixed Mileage)	CT1++, EE7M+	1L5UB		\$ 32.94			
13	CA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS-1 Variable Mileage (OANAD Terminology - Dedicated Transport Variable Mileage per mile)				\$ 0.25			mile
13	CA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS-3 Fixed Mileage (OANAD Terminology - Dedicated Transport DS-3 Fixed Mileage)	CT3++, EE7P+, EE7Q+	1L5UB		\$ 468.14			
13	CA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS-3 Variable Mileage (OANAD Terminology - Dedicated Transport DS-3 Variable Mileage per mile)				\$ 4.72			mile
13	CA	UNBUNDLED DEDICATED TRANSPORT	MULTIPLEXING - DS-1/DS-0 MUX (OANAD Terminology - DS0/DS1)	CT1++, EE7M+	MQ1UB		\$ 255.54			
13	CA	UNBUNDLED DEDICATED TRANSPORT	MULTIPLEXING - DS-3/DS-1 MUX (OANAD Terminology - DS1/DS3)	CT3++, EE7P+, EE7Q+	MQ3UB		\$ 287.85			

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
13	FL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX		\$ 0.19			mile
13	FL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1		\$ 88.44	\$ 105.54	\$ 98.47	
13	FL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX		\$ 3.87			mile
13	FL	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3		\$ 1,071.00	\$ 335.46	\$ 219.28	

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
13	GA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX		\$ 0.12			mile
13	GA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1		\$ 34.93	\$ 110.92	\$ 80.20	
13	GA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX		\$ 2.63			mile
13	GA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3		\$ 349.42	\$ 320.16	\$ 86.24	

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7MX, UK1++	CZ4XA		\$ 17.35	NA	NA	per point of termination
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7MX, UK1++	CZ4XB		\$ 17.35	NA	NA	per point of termination
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7MX, UK1++	CZ4XC		\$ 17.35	NA	NA	per point of termination
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7MX, UK1++	1YZXA		\$ 1.88	NA	NA	per mile
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7MX, UK1++	1YZXB		\$ 1.88	NA	NA	per mile
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7MX, UK1++	1YZXC		\$ 1.88	NA	NA	per mile
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7NX, UK3++	CZ4XA		\$ 146.93	NA	NA	per point of termination
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7NX, UK3++	CZ4XB		\$ 146.93	NA	NA	per point of termination
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7NX, UK3++	CZ4XC		\$ 146.93	NA	NA	per point of termination
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZXA		\$ 29.81	NA	NA	per mile
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZXB		\$ 29.81	NA	NA	per mile
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZXC		\$ 29.81	NA	NA	per mile
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7NX, UK3++	CZ4WA		\$ 146.93	NA	NA	per point of termination
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7NX, UK3++	CZ4WB		\$ 146.93	NA	NA	per point of termination
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination - All Areas	UB5++, EE7NX, UK3++	CZ4WC		\$ 146.93	NA	NA	per point of termination
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZBA		\$ 29.81	NA	NA	per mile
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZBB		\$ 29.81	NA	NA	per mile
13	IL	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile - All Areas	UB5++, EE7NX, UK3++	1YZBC		\$ 29.81	NA	NA	per mile
13	IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVXA		\$ 275.34	NA	NA	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVXB		\$ 275.34	NA	NA	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVXC		\$ 275.34	NA	NA	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3XA		\$ 404.30	NA	NA	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3XB		\$ 404.30	NA	NA	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3XC		\$ 404.30	NA	NA	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS1	UB5++, EE7MX, UK1++	CXCDX		\$ 0.43	NA	NA	
13	IL	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS3	UB5++, EE7NX, UK3++	CXCEX		\$ 0.76	NA	NA	

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13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X1		\$ 11.10	NA	NA	Per Point of Termination
13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X2		\$ 11.10	NA	NA	Per Point of Termination
13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X3		\$ 11.10	NA	NA	Per Point of Termination
13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX1		\$ 1.65	NA	NA	per mile
13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX2		\$ 1.65	NA	NA	per mile
13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX3		\$ 1.65	NA	NA	per mile
13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W1		\$ 106.79	NA	NA	Per Point of Termination
13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W2		\$ 106.79	NA	NA	Per Point of Termination
13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W3		\$ 106.79	NA	NA	Per Point of Termination
13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB1		\$ 28.62	NA	NA	per mile
13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB2		\$ 28.62	NA	NA	per mile
13	IN	UNBUNDLED DEDICATED TRANSPORT	Interoffice Transport DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB3		\$ 28.62	NA	NA	per mile
13	IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++, EE7MX	QMVX1		\$ 197.61	NA	NA	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++, EE7MX	QMVX2		\$ 197.61	NA	NA	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++, EE7MX	QMVX3		\$ 197.61	NA	NA	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++, EE7NX	QM3X1		\$ 260.24	NA	NA	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++, EE7NX	QM3X2		\$ 260.24	NA	NA	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++, EE7NX	QM3X3		\$ 260.24	NA	NA	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS1	UB5++, EE7MX, UK1++	CXCX		\$ 0.36	NA	NA	
13	IN	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS3	UB5++, EE7NX, UK3++	CXCEX		\$ 0.66	NA	NA	

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13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Rural)		ULNHS	1	\$ 51.89	\$ 136.65	\$ 78.80	first mile
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNHS	2	\$ 44.59	\$ 136.65	\$ 78.80	first mile
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Urban)		ULNHS	3	\$ 40.78	\$ 136.65	\$ 78.80	first mile
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone		ULNHS	I	\$ 46.86	\$ 136.65	\$ 78.80	first mile
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Rural)		ULNHS	1	\$ 1.53	NA	NA	additional mile
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNHS	2	\$ 0.72	NA	NA	additional mile
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Urban)		ULNHS	3	\$ 0.32	NA	NA	additional mile
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone		ULNHS	I	\$ 0.35	NA	NA	additional mile
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Rural)		ULNHS	1	\$ -			
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNJS	2	\$ 596.55	\$ 158.10	\$ 97.75	first mile
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Urban)		ULNJS	3	\$ 478.64	\$ 158.10	\$ 97.75	first mile
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone		ULNJS	I	\$ 512.30	\$ 158.10	\$ 97.75	first mile
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Rural)		ULNJS	1	\$ -			
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNJS	2	\$ 17.51	NA	NA	additional mile
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Urban)		ULNJS	3	\$ 12.83	NA	NA	additional mile
13	KS	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone		ULNJS	I	\$ 2.85	NA	NA	additional mile
13	KS	UNBUNDLED DEDICATED TRANSPORT	DS1 to VG - Multiplexing		UM4BX		\$ 119.03	\$ 288.90	\$ 187.70	
13	KS	UNBUNDLED DEDICATED TRANSPORT	DS3 to DS1 - Multiplexing		UM4AX		\$ 359.83	\$ 1,736.35	\$ 1,202.10	
13	KS	UNBUNDLED DEDICATED TRANSPORT	2-wire Analog Loop Cross Connect to POA - Method 1		UXRA1	1	\$ 0.57	\$ 92.05	\$ 73.25	
13	KS	UNBUNDLED DEDICATED TRANSPORT	2-wire Analog Loop Cross Connect to POA - Method 2		UXRA2	2	\$ 0.65	\$ 92.05	\$ 73.25	
13	KS	UNBUNDLED DEDICATED TRANSPORT	2-wire Analog Loop Cross Connect to POA - Method 3		UXRA3	3	\$ 0.77	\$ 92.05	\$ 73.25	

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
13	KY	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX		\$ 0.23			mile
13	KY	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1		\$ 96.04	\$ 105.52	\$ 98.46	
13	KY	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX		\$ 4.97			mile
13	KY	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3		\$ 1,175.15	\$ 335.40	\$ 219.24	

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
13	LA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX		\$ 0.27			mile
13	LA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1		\$ 70.47	\$ 86.69	\$ 79.44	
13	LA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX		\$ 6.04			mile
13	LA	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3		\$ 850.45	\$ 270.69	\$ 158.05	

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Zone 1	UB5++, EE7MX, UK1++	CZ4X1	1	\$ 12.39			Per Point of Termination
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Zone 2	UB5++, EE7MX, UK1++	CZ4X2	2	\$ 12.28			Per Point of Termination
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Zone 3	UB5++, EE7MX, UK1++	CZ4X3	3	\$ 13.17			Per Point of Termination
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Point of Termination Interzone	UB5++, EE7MX, UK1++	CZ4XZ	I	\$ 13.36			Per Point of Termination
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Mile Zone 1	UB5++, EE7MX, UK1++	1YZX1	1	\$ 0.69			per mile
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Mile Zone 2	UB5++, EE7MX, UK1++	1YZX2	2	\$ 0.77			per mile
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Mile Zone 3	UB5++, EE7MX, UK1++	1YZX3	3	\$ 0.50			per mile
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS1 Interoffice Mileage Per Mile Interzone	UB5++, EE7MX, UK1++	1YZXZ	I	\$ 0.20			per mile
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Zone 1	UB5++, EE7NX, UK3++	CZ4W1	1	\$ 129.82			Per Point
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Zone 2	UB5++, EE7NX, UK3++	CZ4W2	2	\$ 114.98			Per Point
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Zone 3	UB5++, EE7NX, UK3++	CZ4W3	3	\$ 110.02			Per Point
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage Termination - Per Point of Termination Interzone	UB5++, EE7NX, UK3++	CZ4WZ	I	\$ 121.50			Per Point
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile Zone 1	UB5++, EE7NX, UK3++	1YZB1	1	\$ 6.20			Per Mile
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile Zone 2	UB5++, EE7NX, UK3++	1YZB2	2	\$ 3.84			Per Mile
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile Zone 3	UB5++, EE7NX, UK3++	1YZB3	3	\$ 9.52			Per Mile
13	MI	UNBUNDLED DEDICATED TRANSPORT	DS3 Interoffice Mileage - Per Mile Interzone	UB5++, EE7NX, UK3++	1YZBZ	I	\$ 3.73			Per Mile
13	MI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade All Zones, Per Arrangement	UB5++, UK1++	QMVX1		\$ 280.24	NA	NA	Per Arrangement
13	MI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade All Zones, Per Arrangement	UB5++, UK1++	QMVX2		\$ 280.24	NA	NA	Per Arrangement
13	MI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade All Zones, Per Arrangement	UB5++, UK1++	QMVX3		\$ 280.24	NA	NA	Per Arrangement
13	MI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1 All Zones, Per Arrangement	UB5++, UK3++	QM3X1		\$ 414.55	NA	NA	per arrangement
13	MI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1 All Zones, Per Arrangement	UB5++, UK3++	QM3X2		\$ 414.55	NA	NA	per arrangement
13	MI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1 All Zones, Per Arrangement	UB5++, UK3++	QM3X3		\$ 414.55	NA	NA	per arrangement
13	MI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS1	UB5++, EE7MX, UK1++	CXCDX		\$ 6.89	NA	NA	

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Urban STL, KC)		ULNHS	1	\$ 111.45	\$ 455.35	\$ 291.05	1st mile
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNHS	2	\$ 151.55	\$ 455.35	\$ 291.05	1st mile
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Rural)		ULNHS	3	\$ 279.30	\$ 455.35	\$ 291.05	1st mile
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 4 (Urban Springfield)		ULNHS	4	\$ 111.45	\$ 455.35	\$ 291.05	1st mile
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone		ULNHS	I	\$ 200.10	\$ 455.35	\$ 291.05	1st mile
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Urban STL, KC)		ULNHS	1	\$ 3.10	NA	NA	each additional mile
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNHS	2	\$ 8.75	NA	NA	each additional mile
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Rural)		ULNHS	3	\$ 14.55	NA	NA	each additional mile
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 4 (Urban Springfield)		ULNHS	4	\$ 3.10	NA	NA	each additional mile
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone		ULNHS	I	\$ 4.80	NA	NA	each additional mile
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Urban STL, KC)		ULNJS	1	\$ 1,389.45	\$ 490.35	\$ 332.75	1st mile
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNJS	2	\$ 2,783.40	\$ 490.35	\$ 332.75	1st mile
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Rural)		ULNJS	3	\$ 3,384.95	\$ 490.35	\$ 332.75	1st mile
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 4 (Urban Springfield)		ULNJS	4	\$ 1,389.45	\$ 490.35	\$ 332.75	1st mile
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone		ULNJS	I	\$ 3,288.30	\$ 490.35	\$ 332.75	1st mile
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Urban STL, KC)		ULNJS	1	\$ 81.80	NA	NA	each additional mile
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNJS	2	\$ 304.75	NA	NA	each additional mile
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Rural)		ULNJS	3	\$ 312.90	NA	NA	each additional mile
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 4 (Urban Springfield)		ULNJS	4	\$ 81.80	NA	NA	each additional mile
13	MO	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone		ULNJS	I	\$ 124.45	NA	NA	each additional mile
13	MO	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connect to POA: DS1 - Method 1		UXRQ1	1	\$ 12.30	NA	NA	
13	MO	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connect to POA: DS1 - Method 2		UXRQ2	2	\$ 12.35	NA	NA	
13	MO	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connect to POA: DS1 - Method 3		UXRQ3	3	\$ 12.35	NA	NA	
13	MO	UNBUNDLED DEDICATED TRANSPORT	DS1 to VG - Multiplexing		UM4BX		\$ 199.60	\$ 29.85	\$ 17.90	
13	MO	UNBUNDLED DEDICATED TRANSPORT	DS3 to DS1 - Multiplexing		UM4AX		\$ 712.05	\$ 980.20	\$ 924.15	

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
13	MS	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX		\$ 0.20			mile
13	MS	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1		\$ 57.33	\$ 89.79	\$ 82.28	
13	MS	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX		\$ 4.76			mile
13	MS	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3		\$ 641.90	\$ 280.37	\$ 163.70	

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
13	NC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX		\$ 0.19			mile
13	NC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1		\$ 31.06	\$ 234.02	\$ 162.52	
13	NC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX		\$ 4.44			mile
13	NC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3		\$ 329.91	\$ 270.69	\$ 158.05	

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport - DS1 Interoffice Transport - Statewide - Fixed (per termination)	CT1++, EE7M+	1L5UB		\$ 32.32			
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport - DS1 Interoffice Transport - Statewide - Variable (per mile)	CT3++, EE7P+, EE7Q+	1L5UB		\$ 1.84			
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport - DS3 Interoffice Transport - Statewide - Fixed (per termination)	CT1++, EE7M+	1L5UB		\$ 372.70			
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport - DS3 Interoffice Transport - Statewide - Variable (per mile)	CT3++, EE7P+, EE7Q+	1L5UB		\$ 35.72			
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connect - DS1 to Collocation				\$ 22.98			
13	NV	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connect - DS3 to Collocation				\$ 29.47			
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - DS1 / Voice Grade	CT1++, EE7M+	MQ1UB		\$ 265.89			
13	NV	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - DS3 / DS1	CT3++, EE7P+, EE7Q+	MQ3UB		\$ 673.94			

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X1		\$ 14.79	NA		Per Point of Termination
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X2		\$ 14.79	NA		Per Point of Termination
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X3		\$ 14.79	NA		Per Point of Termination
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS1 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX1		\$ 1.64	NA		Per Mile
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS1 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX2		\$ 1.64	NA		Per Mile
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS1 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX3		\$ 1.64	NA		Per Mile
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W1		\$ 127.75	NA		Per Point of Termination
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W2		\$ 127.75	NA		Per Point of Termination
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W3		\$ 127.75	NA		Per Point of Termination
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB1		\$ 21.61	NA		Per Mile
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB2		\$ 21.61	NA		Per Mile
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: 'DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB3		\$ 21.61	NA		Per Mile
13	OH	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX1		\$ 279.80	NA		
13	OH	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX2		\$ 279.80	NA		
13	OH	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX3		\$ 279.80	NA		
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS1	UB5++, EE7MX, UK1++	CXCDX		\$ 0.40	NA		
13	OH	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS3	UB5++, EE7NX, UK3++	CXCEX		\$ 0.70	NA		
13	OH	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X1		\$ 372.85	NA		
13	OH	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X2		\$ 372.85	NA		
13	OH	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X3		\$ 372.85	NA		

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Rural)		ULNHS	1	\$ 148.99	\$ 301.93	\$ 179.82	first mile
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNHS	2	\$ 92.19	\$ 301.93	\$ 179.82	first mile
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Urban)		ULNHS	3	\$ 78.09	\$ 301.93	\$ 179.82	first mile
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone		ULNHS	I	\$ 140.40	\$ 301.93	\$ 179.82	first mile
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Rural)		ULNHS	1	\$ 7.68	NA	NA	additional mile
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNHS	2	\$ 14.17	NA	NA	additional mile
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Urban)		ULNHS	3	\$ 2.24	NA	NA	additional mile
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone		ULNHS	I	\$ 2.99	NA	NA	additional mile
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Rural)		ULNJS	1	\$ 2,007.79	\$ 336.40	\$ 218.88	first mile
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNJS	2	\$ 1,223.73	\$ 336.40	\$ 218.88	first mile
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Urban)		ULNJS	3	\$ 822.78	\$ 336.40	\$ 218.88	first mile
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone		ULNJS	I	\$ 1,696.31	\$ 336.40	\$ 218.88	first mile
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Rural)		ULNJS	1	\$ 160.14	NA	NA	additional mile
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNJS	2	\$ 274.35	NA	NA	additional mile
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Urban)		ULNJS	3	\$ 58.67	NA	NA	additional mile
13	OK	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone		ULNJS	I	\$ 58.13	NA	NA	additional mile
13	OK	UNBUNDLED DEDICATED TRANSPORT	DS1 to VG		UM4BX		\$ 182.83	\$ 178.12	\$ 105.56	
13	OK	UNBUNDLED DEDICATED TRANSPORT	DS3 to DS1		UM4AX		\$ 632.51	\$ 895.90	\$ 522.41	

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
13	SC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - per mile	U1TD1	1L5XX		\$ 0.34			mile
13	SC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1		\$ 77.14	\$ 89.47	\$ 81.99	
13	SC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - per mile	U1TD3	1L5XX		\$ 8.02			mile
13	SC	UNBUNDLED DEDICATED TRANSPORT	Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3		\$ 880.65	\$ 279.37	\$ 163.12	

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
13	TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS1 - per mile	U1TD1	1L5XX		\$ 0.36			mile
13	TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS1 - Facility Termination	U1TD1	U1TF1		\$ 77.86	\$ 112.40	\$ 76.27	
13	TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS3 - per mile	U1TD3	1L5XX		\$ 2.34			mile
13	TN	UNBUNDLED DEDICATED TRANSPORT	Stand Alone - Interoffice Channel - DS3 - Facility Termination	U1TD3	U1TF3		\$ 848.99	\$ 395.29	\$ 176.56	

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 1 (Rural)		ULNHS	1	\$ 33.76	\$ 52.91	\$ 28.43	first mile
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNHS	2	\$ 32.55	\$ 52.91	\$ 28.43	first mile
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Zone 3 (Urban)		ULNHS	3	\$ 34.08	\$ 52.91	\$ 28.43	first mile
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, First Mile - Interzone		ULNHS	I	\$ 44.32	\$ 52.91	\$ 28.43	first mile
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 1 (Rural)		ULNHS	1	\$ 0.10	NA	NA	each additional mile
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNHS	2	\$ 0.11	NA	NA	each additional mile
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Zone 3 (Urban)		ULNHS	3	\$ 0.13	NA	NA	each additional mile
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS1 Interoffice Transport, Each Additional Mile - Interzone		ULNHS	I	\$ 0.10	NA	NA	each additional mile
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 1 (Rural)		ULNJS	1	\$ 199.77	\$ 81.05	\$ 65.73	first mile
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 2 (Suburban)		ULNJS	2	\$ 179.53	\$ 81.05	\$ 65.73	first mile
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Zone 3 (Urban)		ULNJS	3	\$ 194.60	\$ 81.05	\$ 65.73	first mile
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, First Mile - Interzone		ULNJS	I	\$ 308.37	\$ 81.05	\$ 65.73	first mile
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 1 (Rural)		ULNJS	1	\$ 2.91	NA	NA	each additional mile
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 2 (Suburban)		ULNJS	2	\$ 3.20	NA	NA	each additional mile
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Zone 3 (Urban)		ULNJS	3	\$ 3.96	NA	NA	each additional mile
13	TX	UNBUNDLED DEDICATED TRANSPORT	DT-DS3 Interoffice Transport, Each Additional Mile - Interzone		ULNJS	I	\$ 2.78	NA	NA	each additional mile
13	TX	UNBUNDLED DEDICATED TRANSPORT	DS1 Cross Connect to Collocation	UBNTX	UCXHX		\$ 7.51	\$ 57.08	\$ 40.49	
13	TX	UNBUNDLED DEDICATED TRANSPORT	DS3 Cross Connect to Collocation		UCXIX		\$ 25.70	\$ 70.78	\$ 54.19	
13	TX	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - DS1 to VG		UM4BX		\$ 249.02	\$ 29.00	\$ 24.15	
13	TX	UNBUNDLED DEDICATED TRANSPORT	Multiplexing - DS3 to DS1		UM4AX		\$ 322.06	\$ 41.71	\$ 20.01	

Attachment	State	Product	Rate Element Description	COS (Class of Service)	USOC	Zone	Monthly Recurring Charge (MRC)	Non-Recurring Charge (NRC) First	Non-Recurring Charge (NRC) Additional	Per Unit
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X1		\$ 18.49			Per Pointof Termination - All Zones
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X2		\$ 18.49			Per Pointof Termination - All Zones
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS1 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7MX, UK1++	CZ4X3		\$ 18.49			Per Pointof Termination - All Zones
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS1 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX1		\$ 2.19			Per Mile
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS1 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX2		\$ 2.19			Per Mile
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS1 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7MX, UK1++	1YZX3		\$ 2.19			Per Mile
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W1		\$ 191.33			Per Pointof Termination - All Zones
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W2		\$ 191.33			Per Pointof Termination - All Zones
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage Termination - Per Point of Termination - All Zones	UB5++, EE7NX, UK3++	CZ4W3		\$ 191.33			Per Pointof Termination - All Zones
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB1		\$ 33.29			Per Mile
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB2		\$ 33.29			Per Mile
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Interoffice Transport: DS3 Interoffice Mileage - Per Mile - All Zones	UB5++, EE7NX, UK3++	1YZB3		\$ 33.29			Per Mile
13	WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX1		\$ 342.91			
13	WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX2		\$ 342.91			
13	WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS1 to Voice Grade	UB5++, UK1++	QMVX3		\$ 342.91			
13	WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X1		\$ 473.51			
13	WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X2		\$ 473.51			
13	WI	UNBUNDLED DEDICATED TRANSPORT	Multiplexing DS3 to DS1	UB5++, UK3++	QM3X3		\$ 473.51			
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS1	UB5++, EE7MX, UK1++	CXCDX		\$ 0.52			
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS3	UB5++, EE7NX, UK3++	CXCEX		\$ 0.96			

AMENDMENT

BETWEEN

BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA AND AT&T TENNESSEE, ILLINOIS BELL TELEPHONE COMPANY, LLC D/B/A AT&T ILLINOIS, INDIANA BELL TELEPHONE COMPANY, LLC D/B/A AT&T INDIANA, MICHIGAN BELL TELEPHONE COMPANY, LLC D/B/A AT&T MICHIGAN, NEVADA BELL TELEPHONE COMPANY, LLC D/B/A AT&T NEVADA AND AT&T WHOLESAL, THE OHIO BELL TELEPHONE COMPANY, LLC D/B/A AT&T OHIO, PACIFIC BELL TELEPHONE COMPANY D/B/A AT&T CALIFORNIA, SOUTHWESTERN BELL TELEPHONE COMPANY, LLC D/B/A AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA AND AT&T TEXAS, WISCONSIN BELL, LLC D/B/A AT&T WISCONSIN

AND

MCIMETRO ACCESS TRANSMISSION SERVICES LLC

Signature: eSigned - Daniel J. Higgins II

Signature: eSigned - Kristen E. Shore

Name: eSigned - Daniel J. Higgins II
(Print or Type)

Name: eSigned - Kristen E. Shore
(Print or Type)

Title: AVP
(Print or Type)

Title: AVP- Regulatory
(Print or Type)

Date: 09 Sep 2025

Date: 09 Sep 2025

MCImetro Access Transmission Services LLC

BellSouth Telecommunications, LLC d/b/a AT&T ALABAMA, AT&T FLORIDA, AT&T GEORGIA, AT&T KENTUCKY, AT&T LOUISIANA, AT&T MISSISSIPPI, AT&T NORTH CAROLINA, AT&T SOUTH CAROLINA and AT&T TENNESSEE, Illinois Bell Telephone Company, LLC d/b/a AT&T ILLINOIS, Indiana Bell Telephone Company, LLC d/b/a AT&T INDIANA, Michigan Bell Telephone Company, LLC d/b/a AT&T MICHIGAN, Nevada Bell Telephone Company, LLC d/b/a AT&T NEVADA and AT&T Wholesale, The Ohio Bell Telephone Company, LLC d/b/a AT&T OHIO, Pacific Bell Telephone Company d/b/a AT&T CALIFORNIA, Southwestern Bell Telephone Company, LLC d/b/a AT&T ARKANSAS, AT&T KANSAS, AT&T MISSOURI, AT&T OKLAHOMA and AT&T TEXAS, Wisconsin Bell, LLC d/b/a AT&T WISCONSIN by AT&T Services, Inc., its authorized agent

State	Resale OCN	ULEC OCN	CLEC OCN
ARKANSAS	7020,7229	052A	052A,7277
CALIFORNIA	7020,7229,7526	7283	7070,7128,7229,7240,7283,8707
ILLINOIS	7108,7287	7229	2655,7149,7228,7229
KENTUCKY	7149,7229,7826	7229	7149,7228,7229
LOUISIANA	7149,7229,7826	7229	7149,7229
MICHIGAN	7020,7108,7289	7229	2649,7227,7228,7229
OHIO	7020,7108,7294	7229,7836	2535,7149,7227,7228,7229

Description	ACNA Code(s)
ACNA(s)	BFP,WUA,ICF,MFZ,AKJ,BFC

**AMENDMENT TO THE AGREEMENT
BETWEEN
MCIMETRO ACCESS TRANSMISSION SERVICES LLC
AND**

**BELLSOUTH TELECOMMUNICATIONS, LLC D/B/A AT&T KENTUCKY AND AT&T LOUISIANA,
ILLINOIS BELL TELEPHONE COMPANY, LLC D/B/A AT&T ILLINOIS, MICHIGAN BELL TELEPHONE
COMPANY, LLC D/B/A AT&T MICHIGAN, THE OHIO BELL TELEPHONE COMPANY, LLC D/B/A
AT&T OHIO, PACIFIC BELL TELEPHONE COMPANY D/B/A AT&T CALIFORNIA, SOUTHWESTERN
BELL TELEPHONE COMPANY, LLC D/B/A AT&T ARKANSAS**

This Amendment (Amendment) amends the Interconnection Agreements by and between BellSouth Telecommunications, LLC d/b/a AT&T KENTUCKY and AT&T LOUISIANA, Illinois Bell Telephone Company, LLC d/b/a AT&T ILLINOIS, Michigan Bell Telephone Company, LLC d/b/a AT&T MICHIGAN, The Ohio Bell Telephone Company, LLC d/b/a AT&T OHIO, Pacific Bell Telephone Company d/b/a AT&T CALIFORNIA, Southwestern Bell Telephone Company, LLC d/b/a AT&T ARKANSAS (AT&T) and MCImetro Access Transmission Services LLC (CLEC). AT&T and CLEC are hereinafter referred to collectively as Parties and individually as a Party.

WHEREAS, AT&T and CLEC are Parties to the Agreements shown in the attached Exhibit A.; and

WHEREAS, AT&T and CLEC wish to enter into a Stand-Alone Structure Access Agreement for Poles, Ducts, Conduits, and Rights-Of-Way - Category B.

NOW, THEREFORE, in consideration of the promises and mutual agreements set forth herein, the Parties agree to amend the Agreement as follows:

1. This Amendment is composed of the foregoing recitals, terms and conditions, contained herein, including Exhibit A – Listing of Agreements, all of which constitute a part of this Amendment.
2. The Parties agree to remove all rates, terms, conditions, and appendices/attachments related to Structure Access from the Agreements listed in Exhibit A. From the Execution Date, Structure Access will be covered by a separate Stand-Alone Structure Access Agreement for Poles, Ducts, Conduits, and Rights-Of-Way - Category B.
3. This Amendment is be deemed to revise the terms and provisions of the Agreement only to the extent necessary to give effect to the terms and provisions of this Amendment. In the event of a conflict between the terms and provisions of this Amendment and the terms and provisions of the Agreement (including all incorporated or accompanying Appendices, Addenda, and Exhibits to the Agreement), this Amendment will govern, provided, however, that the fact that a term or provision appears in this Amendment but not in the Agreement, or in the Agreement but not in this Amendment, may not be interpreted as, or deemed grounds for finding, a conflict for purposes of this Amendment.
4. In entering into this Amendment, neither Party waives, and each Party expressly reserves, any rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the underlying Agreement (including intervening law rights asserted by either Party via written notice predating this Amendment) with respect to any orders, decisions, legislation, or proceedings and any remands thereof, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further review.
5. This Amendment does not modify or extend the Effective Date or Term of the underlying Agreement, but rather be coterminous with such Agreement.
6. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.
7. Signatures by all Parties to this Amendment are required to effectuate this Amendment. This Amendment may be executed in counterparts. Each counterpart will be considered an original and such counterparts together constitute one and the same instrument.
8. For Illinois, Kentucky, Louisiana, Michigan: This Amendment shall be filed with and is subject to approval by the applicable state Commission and shall become effective ten (10) days following approval by such Commission. For

Arkansas: This Amendment shall be filed with the Arkansas Public Service Commission and shall become effective upon filing. For Ohio: Based on the Public Utilities Commission of Ohio Rules, the Amendment is effective upon filing and is deemed approved by operation of law on the 91st day after filing. For California: Pursuant to Resolution ALJ 257, this filing will become effective, absent rejection of the Advice Letter by the Commission, upon thirty (30) days after the filing date of the Advice Letter to which this Amendment is appended.

Exhibit A – List of Agreements

AT&T ILEC (AT&T)	CARRIER Legal Name	Contract Type	Effective Date
Southwestern Bell Telephone Company, LLC d/b/a AT&T ARKANSAS	MCImetro Access Transmission Services LLC	Interconnection	3/21/2006
Bellsouth Telecommunications, LLC d/b/a AT&T KENTUCKY	MCImetro Access Transmission Services LLC	Interconnection	11/5/2006
Pacific Bell Telephone Company d/b/a AT&T CALIFORNIA	MCImetro Access Transmission Services LLC	Interconnection	9/1/2006
Illinois Bell Telephone Company, LLC d/b/a AT&T ILLINOIS	MCImetro Access Transmission Services LLC	Interconnection	11/14/2010
Michigan Bell Telephone Company, LLC d/b/a AT&T MICHIGAN	MCImetro Access Transmission Services LLC	Interconnection	1/1/2004
The Ohio Bell Telephone Company, LLC d/b/a AT&T OHIO	MCImetro Access Transmission Services LLC	Interconnection	1/27/2003
Bellsouth Telecommunications, LLC d/b/a AT&T LOUISIANA	MCImetro Access Transmission Services LLC	Interconnection	11/5/2006