

EXECUTION ORIGINAL

**INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE
TELECOMMUNICATIONS ACT OF 1996**

Dated as of November 13, 1998

by and between

AMERITECH INFORMATION INDUSTRY SERVICES,
a division of Ameritech Services, Inc.
on behalf of and as agent for Ameritech Michigan

and

FRONTIER TELEMAGEMENT, INC.

861229.2 102208 1516C 96252093

TABLE OF CONTENTS

		<u>Page</u>
ARTICLE I DEFINITIONS AND CONSTRUCTION		2
1.1	Structure	2
1.2	Defined Terms	2
1.3	Interpretation.....	2
1.4	Joint Work Product	3
ARTICLE II GENERAL SERVICE		
RELATED PROVISIONS	3	
2.1	Interconnection Activation Date.....	3
2.2	Bona Fide Request	3
2.3	Technical References	3
ARTICLE III INTERCONNECTION PURSUANT TO SECTION 251		
3.1	Scope.....	4
3.2	Interconnection Points and Methods.....	4
3.3	Fiber-Meet	5
3.4	Interconnection in Additional LATAs.....	6
3.5	Additional Interconnection in Existing LATAs.....	6
3.6	Nondiscriminatory Interconnection	7
3.7	Network Management.....	7
3.8	Standards of Performance	7
3.9	9-1-1 Service.....	8
ARTICLE IV TRANSMISSION AND ROUTING OF TELEPHONE E		
4.1	Scope of Traffic	13
4.2	Limitations	13
4.3	Trunk Group Architecture and Traffic Routing.....	13
4.4	Signaling	14
4.5	Grades of Service.....	15
4.6	Measurement and Billing.....	15
4.7	Reciprocal Compensation Arrangements -- Section 251(b)(5)	15
ARTICLE V TRANSMISSION AND ROUTING		
OF EXCHANGE	ACCESS TRAFFIC PURSUANT TO 251(c)(2)	16
5.1	Scope of Traffic	16
5.2	Trunk Group Architecture and Traffic Routing.....	16
5.3	End Office Access.....	17

	ARTICLE VI MEET-POINT BILLING ARRANGEMENTS	17
6.1	Meet-Point Billing Services.....	17
6.2	Data Format and Data Transfer.....	17
6.3	Errors or Loss of Access Usage Data	18
6.4	Payment.....	18
6.5	Limitation of Liability Applicable to Meet-Point Billing Arrangements.....	18
	ARTICLE VII.... TRANSPORT AND TERMINATION	OF OT
7.1	Ancillary Services Traffic.....	19
7.2	BLV/BLVI Traffic	19
7.3	Transit Service	20
	ARTICLE VIII INSTALLATION, MAINTENANCE, TESTING AND	
8.1	Operation and Maintenance	22
8.2	Installation, Maintenance, Testing and Repair	22
8.3	Additional Terms	22
	ARTICLE IX UNBUNDLED ACCESS -- SECTION 251(c)(3)	22
9.1	Access to Network Elements	22
9.2	Network Elements.....	23
9.3	Frontier’s Combination of Network Elements.....	24
9.4	Nondiscriminatory Access to and Provision of Network Elements	24
9.5	Provisioning of Network Elements.....	25
9.6	Availability of Additional Network Elements	25
9.7	Pricing of Unbundled Network Elements	26
9.8	Billing	26
9.9	Maintenance of Unbundled Network Elements.....	26
9.10	Standards of Performance	26
	ARTICLE X RESALE AT WHOLESALE RATES--SECTION 251(c)	
10.1	Telecommunications Services Available for Resale at Wholesale Rates.....	28
10.2	Other Services.....	28
10.3	Limitations on Availability of Resale Services	28
10.4	Additional Charges for Resale Services	29
10.5	Restrictions on Resale Services	29
10.6	New Resale Services; Changes in Provision of Resale Services.....	30
10.7	Operations Support Systems Functions	30
10.8	Nondiscriminatory Provision of Resale Services	30
10.9	Standards of Performance	30
10.10	Branding.....	32
10.11	Primary Local Exchange and Interexchange Carrier Selections	33
10.12	Functionality Required To Support Resale Service.....	34
10.13	Service Functions.....	35

10.14	Responsibilities of Frontier.....	38
10.15	Responsibilities of Ameritech.....	39
10.16	Exchange of Billing Information	39
10.17	Use of Service.....	40

ARTICLE XI NOTICE OF CHANGES -- SECTION 251(c)(5) 41

ARTICLE XII COLLOCATION -- SECTION 251(c)(6) 41

12.1	Physical Collocation	41
12.2	Virtual Collocation in Physical Collocation Space	41
12.3	Virtual Collocation in Virtual Collocation Space.....	42
12.4	Nondiscriminatory Collocation.....	42
12.5	Eligible Equipment	42
12.6	Transmission Facility Options	43
12.7	Interconnection with other Collocated Carriers.....	43
12.8	Interconnection Points and Cables.....	43
12.9	Allocation of Collocation Space	44
12.10	Security Arrangements	44
12.11	Subcontractor and Vendor Approval	44
12.12	Delivery of Collocated Space	44
12.13	Pricing.....	48
12.14	Billing	48
12.15	Common Requirements	48
12.16	Additional Requirements	48
12.17	Protection of Service and Property	48

ARTICLE XIII NUMBER PORTABILITY -- SECTION 251(b)(2)

13.1	Provision of Local Number Portability.....	49
13.2	Interim Number Portability (“INP”)	49
13.3	Remote Call Forwarding (“RCF”).....	49
13.4	Direct Inward Dialing	50
13.5	NXX Migration.....	51
13.6	Other Interim Number Portability Provisions.....	51
13.7	Compensation on Traffic to INP'ed Numbers.....	51
13.8	Pricing For Interim Number Portability.....	52
13.9	Permanent Number Portability	52

ARTICLE XIV DIALING PARITY -- SECTIONS 251(b)(3) and 271(e)

ARTICLE XV DIRECTORY LISTINGS -- SECTION 251(b)(3)

15.1	Directory Listings For Frontier Resale Customers	53
15.2	Listing and Listing Updates	54

ARTICLE XVI ACCESS TO POLES, DUCTS, CONDUITS AND RIGS

16.1 Structure Availability.....55

16.2 Franchises, Permits and Consents.....55

16.3 Access and Modifications.....56

16.4 Installation and Maintenance Responsibility.....57

16.5 Installation and Maintenance Standards.....57

16.6 Implementation Team.....57

16.7 Access Requests.....57

16.8 Unused Space.....57

16.9 Maintenance Ducts.....58

16.10 Applicability.....58

16.11 Other Arrangements.....58

16.12 Cost of Certain Modifications.....58

16.13 Maps and Records.....58

16.14 Occupancy Permit.....58

16.15 Inspections.....59

16.16 Damage to Attachments.....59

16.17 Charges.....59

16.18 Nondiscrimination.....59

16.19 Interconnection.....59

16.20 Cost Imputation.....60

16.21 Structure Access Center.....60

16.22 State Regulation.....60

16.23 Abandonments, Sales or Dispositions.....60

ARTICLE XVII REFERRAL ANNOUNCEMENT 61

ARTICLE XVIII IMPLEMENTATION TEAM AND IMPLEMENTATION PLAN

18.1 Implementation Team.....61

18.2 Interconnection Maintenance and Administration Plan.....61

18.3 Implementation Plan.....62

18.4 Action of Implementation Team.....63

18.5 Further Coordination and Performance.....63

18.6 Operational Review.....63

ARTICLE XIX GENERAL RESPONSIBILITIES OF THE PARTIES

19.1 Compliance with Implementation Schedule.....64

19.2 Compliance with Applicable Law.....64

19.3 Necessary Approvals.....64

19.4 Environmental Hazards.....64

19.5 Forecasting Requirements.....64

19.6 Certain Network Facilities.....65

19.7 Traffic Management and Network Harm.....65

19.8	Insurance	66
19.9	Labor Relations	66
19.10	Good Faith Performance	66
19.11	Responsibility to Customers	66
19.12	Unnecessary Facilities	66
19.13	Cooperation	66
19.14	NXX Code Administration	66
19.15	LERG Listings	66
19.16	LERG Use	66
19.17	Switch Programming	67
19.18	Transport Facilities	67
	 ARTICLE XX..... PROPRIETARY INFORMATION	 67
20.1	Definition of Proprietary Information	67
20.2	Disclosure and Use	68
20.3	Government Disclosure	69
20.4	Ownership	70
	 ARTICLE XXI TERM AND TERMINATION	 70
21.1	Term	71
21.2	Renegotiation of Certain Terms	71
21.3	Default	71
21.4	Payment Upon Expiration or Termination	71
	 ARTICLE XXII DISCLAIMER OF REPRESENTATIONS AND WARRANTIES	
	 ARTICLE XXIII..... CANCELLATION CHARGES	 71
	 ARTICLE XXIV..... SEVERABILITY	 72
	 ARTICLE XXV INDEMNIFICATION	 72
25.1	General Indemnity Rights	72
25.2	Limitation on Liquidated Damages	73
25.3	Indemnification Procedures	73
	 ARTICLE XXVI..... LIMITATION OF LIABILITY	 74
26.1	Limited Responsibility	74
26.2	Apportionment of Fault	74
26.3	Limitation of Damages	74
26.4	Limitations in Tariffs	74
26.5	Consequential Damages	75
26.6	Remedies	75

	ARTICLE XXVII.....	BILLING	75
27.1	Billing		75
27.2	Recording.....		75
27.3	Payment Of Charges		75
27.4	Late Payment Charges		76
27.5	Adjustments		76
27.6	Interest on Unpaid Amounts		76
	ARTICLE XXVIII.....	AUDIT RIGHTS, DISPUTED AMOUNTS AND DIS	
28.1	Audit Rights		76
28.2	Disputed Amounts		78
28.3	Dispute Escalation and Resolution		79
28.4	Equitable Relief		79
	ARTICLE XXIX.....	REGULATORY APPROVAL	79
29.1	Commission Approval		79
29.2	Tariffs.....		80
29.3	Amendment or Other Changes to the Act; Reservation of Rights.....		80
29.4	Regulatory Changes		80
29.5	Interim Rates		81
	ARTICLE XXX	MISCELLANEOUS	81
30.1	Authorization		81
30.2	Designation of Affiliate		81
30.3	Subcontracting		81
30.4	Independent Contractor.....		82
30.5	Force Majeure		82
30.6	Governing Law		82
30.7	Taxes		82
30.8	Non-Assignment		83
30.9	Non-Waiver.....		83
30.10	Notices		83
30.11	Publicity and Use of Trademarks or Service Marks		84
30.12	Nonexclusive Dealings		84
30.13	No Third Party Beneficiaries; Disclaimer of Agency.....		84
30.14	No License		85
30.15	Survival		85
30.16	Scope of Agreement.....		85
30.17	Counterparts.....		85
30.18	Entire Agreement.....		86

||

SCHEDULE 1.2	DEFINITIONS
SCHEDULE 2.1	IMPLEMENTATION SCHEDULE MICHIGAN
SCHEDULE 2.2	BONA FIDE REQUEST
SCHEDULE 2.3	TECHNICAL REFERENCE SCHEDULE
SCHEDULE 3.8	AMERITECH INTERCONNECTION PERFORMANCE BENCHMARKS
SCHEDULE 6.0	MEET-POINT BILLING RATE STRUCTURE
SCHEDULE 7.1	BILLING AND COLLECTION SERVICES FOR ANCILLARY SERVICES
SCHEDULE 9.2.1	LOCAL LOOPS
SCHEDULE 9.2.2	UNBUNDLED ACCESS TO NETWORK INTERFACE DEVICES
SCHEDULE 9.2.3	SWITCHING CAPABILITY
SCHEDULE 9.2.4	INTEROFFICE TRANSMISSION FACILITIES
SCHEDULE 9.2.5	SIGNALING NETWORKS AND CALL-RELATED DATABASES
SCHEDULE 9.2.6	OPERATIONS SUPPORT SYSTEMS FUNCTIONS
SCHEDULE 9.2.7	OPERATOR SERVICES AND DIRECTORY SERVICES
SCHEDULE 9.5	PROVISIONING OF NETWORK ELEMENTS
SCHEDULE 9.10	NETWORK ELEMENT PERFORMANCE ACTIVITIES
SCHEDULE 10.1	RESALE SERVICES
SCHEDULE 10.9.2	RESALE PERFORMANCE BENCHMARKS
SCHEDULE 10.11.1	FORM OF REPRESENTATION OF AUTHORIZATION
SCHEDULE 10.11.2	PROCEDURES FOR THE SELECTION OF PRIMARY LOCAL EXCHANGE CARRIERS
SCHEDULE 10.12.5	LAW ENFORCEMENT INTERFACES
SCHEDULE 10.13	RESALE MAINTENANCE PROCEDURES
SCHEDULE 10.13.2	SERVICE ORDERING AND PROVISIONING INTERFACE FUNCTIONALITY
SCHEDULE 12.9.1	PHYSICAL COLLOCATION SPACE RESERVATION
SCHEDULE 12.9.3	COLLOCATION CAPACITY PLANNING
SCHEDULE 12.12	DELIVERY OF COLLOCATED SPACE
SCHEDULE 12.15	COMMON REQUIREMENTS
SCHEDULE 12.16	ADDITIONAL REQUIREMENTS APPLICABLE TO PHYSICAL COLLOCATION
PRICING SCHEDULE	MICHIGAN
PRICING SCHEDULE	EXHIBIT PS-I
PRICING SCHEDULE	EXHIBIT PS-VIII STRUCTURE PRICING

**INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252
OF THE TELECOMMUNICATIONS ACT OF 1996**

This Interconnection Agreement under Sections 251 and 252 of the Telecommunications Act of 1996 (“**Agreement**”), is dated as of the 13th day of November 1998 (the “**Effective Date**”), by and between Ameritech Information Industry Services, a division of Ameritech Services, Inc., a Delaware corporation with offices at 350 North Orleans, Third Floor, Chicago, Illinois 60654, on behalf of and as agent for Ameritech Michigan (“**Ameritech**”) and Frontier Telemangement, Inc., a Wisconsin corporation, with offices at 180 South Clinton Avenue, Rochester, New York 14646 (“**Frontier**”).

RECITALS

A. Ameritech is an Incumbent Local Exchange Carrier as defined by the Act, authorized to provide certain Telecommunications Services within Michigan.

B. Ameritech is engaged in the business of providing, among other things, local Telephone Exchange Service within Michigan.

C. Frontier has been granted or, prior to the provisioning of any Interconnection, access to unbundled Network Elements, Telecommunications Service or any other services hereunder, will have been granted authority to provide certain local Telephone Exchange Services within Michigan and is a Local Exchange Carrier as defined by the Act.

D. The Parties desire to Interconnect their telecommunications networks and facilities to comply with the Act, and exchange traffic so that their respective business and residential Customers may communicate with each other over, between and through such networks and facilities, no later than the dates provided for herein.

E. 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 Telecommunications Services as required by the Act as set forth herein.

NOW, THEREFORE, in consideration of the mutual promises and the covenants contained herein and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Frontier and Ameritech hereby agree as follows:

ARTICLE I
DEFINITIONS AND CONSTRUCTION

I.1 Structure. This Agreement includes certain Exhibits and Schedules which immediately follow this Agreement, all of which are hereby incorporated in this Agreement by this reference and constitute a part of this Agreement.

I.2 Defined Terms. Capitalized terms used in this Agreement shall have the respective meanings specified in **Schedule 1.2** or as defined elsewhere in this Agreement.

I.3 Interpretation.

- (a) The definitions in **Schedule 1.2** shall apply equally to both the singular and plural forms of the terms defined. Whenever the context may require, any pronoun shall include the corresponding masculine, feminine and neuter forms. The words “**include,**” “**includes**” and “**including**” shall be deemed to be followed by the phrase “**without limitation**”. 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 or right or obligation for either Party.
- (b) References herein to Articles, Sections, Exhibits and Schedules shall be deemed to be references to Articles and Sections of, and Exhibits and Schedules to, this Agreement unless the context shall otherwise require.
- (c) The headings of the Articles, Sections, Exhibits and Schedules are inserted for convenience of reference only and are not intended to be a part of or to affect the meaning or interpretation of this Agreement.
- (d) Unless the context shall otherwise require, any reference to any agreement, other instrument (including Ameritech, Frontier or other third party offerings, guides or practices), statute, regulation, rule or tariff is to such agreement, instrument, statute, regulation, rule or tariff as amended and supplemented from time to time (and, in the case of a statute, regulation, rule or tariff, to any successor provision).
- (e) In the event of a conflict between the provisions of this Agreement and the Act, the provisions of the Act shall govern. In the event of any conflict between the terms and conditions of any Section of, or Schedules to this Agreement, and any term or condition set forth in the Implementation Plan, the terms and conditions of the Sections and Schedules shall control.

I.4 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.

ARTICLE II GENERAL SERVICE RELATED PROVISIONS

II.1 Interconnection Activation Date. Subject to the terms and conditions of this Agreement, (i) Interconnection of the Parties' facilities and equipment pursuant to **Articles III** and **IV** for the transmission and routing of Telephone Exchange Service traffic and Exchange Access traffic to and from their respective business and residential customers, and (ii) Interconnection of the Parties' facilities and equipment to provide Frontier access to Ameritech's unbundled Network Elements pursuant to **Article IX**, shall be established on or before the respective “**Interconnection Activation Date**” shown for each corresponding LATA and Central Office set forth on **Schedule 2.1**. The Parties shall refine estimated Interconnection Activation Dates and identify additional Interconnection Activation Dates using the principles set forth in **Section 3.4.4**. **Schedule 2.1** may be revised and supplemented from time to time upon the mutual agreement of the Parties to reflect the Interconnection of additional LATAs and Central Offices by attaching one or more supplementary schedules to such Schedule; provided that on or before the date that is one hundred fifty-one (151) days prior to the applicable Interconnection Activation Date(s), Frontier may at its sole option and discretion withdraw or delay such Interconnection Activation Date(s). In addition, Ameritech shall provision Resale Services as of the date set forth on **Schedule 2.1**. If Frontier cancels or delays any Interconnection Activation Date in accordance with the foregoing or cancels or delays the date on which Ameritech is to provide Frontier Resale Services and Ameritech has, at the request or direction of Frontier, incurred any costs to implement such Interconnection or provision of Resale Services up to the date on which notice of such withdrawal or delay is received by Ameritech, Frontier shall pay to Ameritech such costs.

II.2 Bona Fide Request. Any request by Frontier for certain services, including features, capabilities, functionalities, or access to an unbundled Network Element that is not otherwise provided by the terms of this Agreement at the time of such request, shall be made pursuant to the Bona Fide Request process set forth on **Schedule 2.2**.

II.3 Technical References. Technical References that describe the practices, procedures and specifications for certain services (and the applicable interfaces relating thereto) are listed on **Schedule 2.3** (the “**Technical Reference Schedule**”) to assist the Parties in meeting their respective responsibilities hereunder.

ARTICLE III INTERCONNECTION PURSUANT TO SECTION 251(c)(2)

III.1 Scope. Article III describes the physical architecture for Interconnection of the Parties' facilities and equipment for the transmission and routing of Telephone Exchange Service traffic and Exchange Access traffic between the respective business and residential Customers of the Parties pursuant to Section 251(c)(2) of the Act. Interconnection may not be used solely for the purpose of originating a Party's own interexchange traffic. Articles IV and V prescribe the specific physical facilities and Logical Trunk Groups (and traffic routing parameters) which will be configured over the physical Interconnections described in this Article III related to the transmission and routing of Telephone Exchange Service traffic and Exchange Access traffic, respectively. Other trunk groups, as described in this Agreement, may be configured using this architecture.

III.2 Interconnection Points and Methods.

III.2.1 In each LATA identified on Schedule 2.1, Frontier and Ameritech shall Interconnect their networks at the correspondingly identified Ameritech and Frontier Central Office(s) on Schedule 2.1 for the transmission and routing within that LATA of Telephone Exchange Service traffic and Exchange Access traffic pursuant to Section 251(c)(2) of the Act.

III.2.2 Interconnection in each LATA shall be accomplished at any technically feasible point within the Parties' networks through either (i) Collocation in Ameritech's Central Offices as provided in Article XII or (ii) any other Interconnection method to which the Parties may agree in advance of the applicable Interconnection Activation Date for a given LATA and which is consistent with the Act, including a Fiber-Meet as provided in Section 3.3.

III.2.3 (a) If Frontier elects Collocation as an Interconnection method or elects a network architecture that requires Ameritech to Interconnect with Frontier's facilities via Collocation, then (i) Frontier shall provide the transport (whether through leased or owned facilities) of Ameritech's traffic from the point of Interconnection to Frontier's Central Office, (ii) Frontier shall not charge Ameritech for such transport and (iii) Frontier shall provide Ameritech with capacity to meet Ameritech's forecasted needs.

(b) If Frontier does not elect to provide Ameritech transport as provided in subsection (a) above, then Frontier shall provide to Ameritech Collocation in Frontier's Central Office(s) for purposes of that Interconnection on a nondiscriminatory basis and on rates, terms and conditions that are no less favorable than (i) Ameritech provides to Frontier pursuant to the terms and conditions of this Agreement and, (ii) Frontier provides to other similarly situated Telecommunications Carriers. Further, if Frontier does provide Ameritech transport as provided in subsection (a) above but then Frontier either requests Ameritech to utilize its own facilities or does not provide Ameritech

capacity to meet Ameritech's forecasted needs, then Frontier shall, prior to providing Ameritech Collocation as described in the preceding sentence, (x) provide Ameritech not less than one hundred fifty (150) days notice prior to the date Ameritech must provide its own facilities and (y) compensate Ameritech for the costs incurred by Ameritech to rearrange its network.

III.3 Fiber-Meet.

III.3.1 If the Parties Interconnect their networks pursuant to a Fiber-Meet, the Parties shall jointly engineer and operate a single Synchronous Optical Network ("SONET") transmission system. Unless otherwise mutually agreed, this SONET transmission system shall be configured as illustrated in **Exhibit A**, and engineered, installed, and maintained as described in this **Article III** and in the Plan (as defined in **Section 18.2**). Each Party agrees to disable the Digital Control Channel ("DCC") in its equipment that is part of the SONET system and each Party shall be responsible for the monitoring of its own node(s).

III.3.2 Ameritech shall, wholly at its own expense, procure, install and maintain Optical Line Terminating Multiplexor ("OLTM") equipment in the Ameritech Interconnection Central Office ("AICO") identified for each LATA set forth on **Schedule 2.1** in capacity sufficient to provision and maintain all Logical Trunk Groups prescribed by **Articles IV** and **V**.

III.3.3 Frontier shall, wholly at its own expense, procure, install and maintain the OLTM equipment in the Frontier Interconnection Central Office ("RICO") identified for that LATA in **Schedule 2.1**, in capacity sufficient to provision and maintain all Logical Trunk Groups prescribed by **Articles IV** and **V**.

III.3.4 Ameritech shall designate a manhole or other suitable entry-way immediately outside the AICO as a Fiber-Meet entry point, and shall make all necessary preparations to receive, and to allow and enable Frontier to deliver, fiber optic facilities into that manhole with sufficient spare length to reach the OLTM equipment in the AICO. Frontier shall deliver and maintain such strands wholly at its own expense. Upon verbal request by Frontier to Ameritech, Ameritech will allow Frontier access to the Fiber-Meet entry point for maintenance purposes as promptly as possible after Ameritech's receipt of such request.

III.3.5 Frontier shall designate a manhole or other suitable entry-way immediately outside the RICO as a Fiber-Meet entry point, and shall make all necessary preparations to receive, and to allow and enable Ameritech to deliver, fiber optic facilities into that manhole with sufficient spare length to reach the OLTM equipment in the RICO. Ameritech shall deliver and maintain such strands wholly at its own expense. Upon verbal request by Ameritech to Frontier, Frontier will allow Ameritech access to the Fiber-Meet entry point for maintenance purposes as promptly as possible after Frontier's receipt of such request.

III.3.6 Frontier shall pull the fiber optic strands from the Frontier-designated manhole/entry-way into the RICO and through appropriate internal conduits Frontier utilizes for fiber optic facilities, and shall connect the Ameritech strands to the OLTM equipment Frontier has installed in the RICO.

III.3.7 Ameritech shall pull the fiber optic strands from the Ameritech-designated manhole/entry-way into the AICO and through appropriate internal conduits Ameritech utilizes for fiber optic facilities and shall connect the Frontier strands to the OLTM equipment Ameritech has installed in the AICO.

III.3.8 Each Party shall use its best efforts to ensure that fiber received from the other Party will enter that Party's Central Office through a point separate from that through which such Party's own fiber exited.

III.3.9 For Fiber-Meet arrangements, each Party will be responsible for (i) providing its own transport facilities to the Fiber-Meet in accordance with the Plan and (ii) the cost to build-out its facilities to such Fiber-Meet.

III.4 Interconnection in Additional LATAs.

III.4.1 If Frontier determines to offer Telephone Exchange Service within Ameritech's service areas in any additional LATA, Frontier shall provide written notice to Ameritech of its need to establish Interconnection in such LATA pursuant to this Agreement.

III.4.2 The notice provided in **Section 3.4.1** shall include (i) the initial Central Offices Frontier has designated in the new LATA; (ii) Frontier's requested Interconnection Activation Date; and (iii) a non-binding forecast of Frontier's trunking and facilities requirements.

III.4.3 Unless otherwise agreed by the Parties, the Parties shall designate the Central Office Frontier has identified as its initial Routing Point in the LATA as the RICO in that LATA and shall designate the Ameritech Tandem Office Central Office within the LATA nearest to the RICO (as measured in airline miles utilizing the V&H coordinates method) as the AICO in that LATA.

III.4.4 Unless otherwise agreed by the Parties, the Interconnection Activation Date in each new LATA shall be the earlier of (i) the date mutually agreed by the Parties and (ii) the date that is no more than one hundred fifty (150) days after the date on which Frontier delivered notice to Ameritech pursuant to **Section 3.4.1**. Within ten (10) Business Days of Ameritech's receipt of Frontier's notice specified in **Section 3.4.1**, Ameritech and Frontier shall confirm the AICOs, the RICOs and the Interconnection Activation Date for the new LATA by attaching a supplementary schedule to **Schedule 2.1**.

III.5 Additional Interconnection in Existing LATAs. If Frontier deploys additional switches in a LATA after the Effective Date or otherwise wishes to establish Interconnection with additional Ameritech Central Offices in such LATA, Frontier shall provide written notice thereof to Ameritech, consistent with the notice provisions of Sections 3.4.1 and 3.4.2, to establish such Interconnection. The terms and conditions of this Agreement shall apply to such Interconnection, including the provisions set forth in Section 3.4.4. If Ameritech deploys additional switches in a LATA after the Effective Date or otherwise wishes to establish Interconnection with additional Frontier Central Offices in such LATA, Ameritech shall be entitled, upon written notice thereof to Frontier, to establish such Interconnection and the terms and conditions of this Agreement shall apply to such Interconnection. If either Party establishes an additional Tandem Switch in a given LATA, the Parties shall jointly determine the requirements regarding the establishment and maintenance of separate physical facilities and Logical Trunk Group connections and the subtending arrangements relating to Tandem Switches and End Offices which serve the other Party's Customers within the Exchange Areas served by such Tandem Switches. If a Party requests the other Party to install new trunks or rearrange existing trunks as a result of the installation of a new Switch, such Party shall provide written notice of such request and the timeframes in Schedule 3.4.4 shall apply.

III.6 Nondiscriminatory Interconnection. Interconnection shall be equal in quality to that provided by the Parties to themselves or any subsidiary, Affiliate or other person. For purposes of this Section 3.6, “equal in quality” means the same technical criteria and service standards that a Party uses within its own network.

III.7 Network Management.

III.7.1 Frontier and Ameritech shall work cooperatively to install and maintain a reliable network. Frontier and Ameritech 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.

III.7.2 Frontier and Ameritech shall work cooperatively to apply sound network management principles by invoking network management controls to alleviate or to prevent congestion.

III.8 Standards of Performance.

III.8.1 Each Party shall provide the other Party Interconnection (i) in accordance with Section 3.6 as determined by this Section 3.8 and (ii) as required by the Commission (collectively, the “**Interconnection Performance Benchmarks**”).

III.8.2 To determine a Party's compliance with the Interconnection Performance Benchmarks, on and after the first Interconnection Activation Date hereunder, each Party shall maintain separate records of the specific criteria listed on **Schedule 3.8** (each, an **“Interconnection Performance Activity”**) relating to Interconnection that it provides to itself, its subsidiaries, and Affiliates (the **“Providing Party's Interconnection Records”**) and to other LECs (the **“Other LEC Interconnection Records”**) and parallel records of the Interconnection that the Providing Party provides to the other Party (the **“Other Party's Interconnection Records”**) and shall use the methods described in **Schedule 3.8** to calculate Interconnection Performance Activity and determine compliance with such Interconnection Performance Benchmarks.

III.8.3 The Providing Party shall provide to the other Party for each calendar month (a **“Reporting Period”**), by the twenty-second (22nd) day of the following month, in a self-reporting format, the Providing Party's Interconnection Records, the Other LEC Interconnection Records and the Other Party's Interconnection Records so that the Parties can determine the Providing Party's compliance with the Interconnection Performance Benchmarks. If (i) the Providing Party fails to comply with an Interconnection Performance Benchmark with respect to an Interconnection Performance Activity for a Reporting Period, (ii) the sample size of the Interconnection Performance Activity measured for such Reporting Period is statistically valid and (iii) the amount by which the applicable Interconnection Performance Activity deviates from the corresponding Interconnection Performance Benchmark is statistically significant, then the Providing Party shall have committed an **“Interconnection Specified Performance Breach”**. Notwithstanding anything to the contrary in this **Section 3.8**, the Parties acknowledge that (x) the Other LEC Interconnection Records shall be provided to the other Party on an aggregate basis and (y) such Other LEC Interconnection Records shall be provided to the other Party in a manner that preserves the confidentiality of each other LEC and any of such LEC's proprietary information (including CPNI).

III.8.4 In no event shall the Providing Party be deemed to have committed an Interconnection Specified Performance Breach if the Providing Party's failure to meet or exceed an Interconnection Performance Activity is caused by a Delaying Event. If a Delaying Event (i) prevents the Providing Party from performing a certain function or action that affects an Interconnection Performance Activity, then such occurrence shall be excluded from the calculation of such Interconnection Performance Activity and the determination of the Providing Party's compliance with the applicable Interconnection Performance Benchmark or (ii) only suspends the Providing Party's ability to timely perform such Interconnection Performance Activity, then the applicable time frame in which the Providing Party's compliance with the Interconnection Performance Benchmark is measured shall be extended on a like-time basis equal to the duration of such Delaying Event.

III.8.5 Upon the occurrence of an Interconnection Specified Performance Breach by the Providing Party, the other Party may forego the dispute escalation procedures set forth in **Section 28.3** and seek any relief it is entitled to under Applicable Law.

III.8.6 The other Party shall also be entitled to any Credit Allowances pursuant to the same terms and conditions that the Providing Party offers Credit Allowances to its Customers.

III.9 9-1-1 Service.

III.9.1 Ameritech shall provide 9-1-1 Service to Frontier as described in this **Section 3.9** in each Rate Center in which (i) Frontier is authorized to provide local Telephone Exchange Service and (ii) Ameritech is the 9-1-1 service provider.

III.9.2 Service and Facilities Provided.

- (a) Frontier shall interconnect with each Ameritech 9-1-1 selective router residing at each Ameritech Control Office that serves the areas in which Frontier provides Telephone Exchange Service. Such interconnection shall be used by Ameritech to provide 9-1-1 Service and access to all sub-tending Public Safety Answering Points (each, a **“PSAP”**). Frontier will establish such interconnection by (i) providing itself, or leasing from a third-party (including Ameritech), the necessary DS1 facilities and trunk groups between Frontier's point of Interconnection and each Ameritech Control Office (channel conditioning referred to as **“Direct”** in Item I of the Pricing Schedule) or (ii) providing demuxed DSO level trunks at designated Ameritech Central Office(s) (channel conditioning referred to as **“Back to Back”** in Item I of the Pricing Schedule) or (iii) providing demuxed DSO level trunks at a Collocation point within each Ameritech Control Office(s) (channel conditioning referred to as **“Collocation”** in Item I of the Pricing Schedule). With any of the foregoing three (3) options, Frontier shall provide a minimum of two (2) dedicated channels from the point of interconnection to the Ameritech Control Office(s). Each of the foregoing options described in this **subparagraph (a)** also require each of the Parties to provide sufficient trunking and facilities to route Frontier's originating 9-1-1 calls to the designated primary PSAP or to designated alternate PSAPs. Ameritech and the Frontier will coordinate the provision of transport capacity sufficient to route originating 9-1-1 calls from the Frontier's point of interconnection to the designated Ameritech Control Office(s). In addition to the channel conditioning charges identified in Item I of the Pricing Schedule, if Frontier leases facilities from Ameritech, standard tariff rates shall apply.

- (b) If Frontier forwards the ANI information of the calling party to the Control Office, Ameritech will forward that calling number and the associated street address to the PSAP for display. If no ANI is forwarded by Frontier, Ameritech will display a Central Office identification code for display at the PSAP.
- (c) If Frontier requests routed facilities diversity for 9-1-1 interconnection, Ameritech shall provide such diversity to Frontier and Frontier shall pay charges for Diverse Routes at tariffed DS1 rates. Frontier will be responsible for determining the proper quantity of trunks and facilities from its switches to the Ameritech Central Office(s). Trunks between the Ameritech Central Office and the Ameritech Control Office shall be provisioned by Ameritech within twenty (20) Business Days following order by Frontier. Following such provision and prior to the application of live traffic, Frontier and Ameritech will cooperate to promptly test all trunks and facilities between Frontier's network and the Ameritech Control Office to assure proper functioning of the 9-1-1 Service. Unless otherwise agreed to by the Parties, the 9-1-1 trunk groups will be initially established as a one-way CAMA MF trunk group. Where SS7 connectivity is available and required by the applicable municipality, the Parties agree to implement CCIS trunking.
- (d) Ameritech will provide to Frontier, in paper or mechanized format, an address and routing file (ARF) that provides the information required for Frontier 9-1-1 record processing, addressing and delivery of calls to the appropriate Ameritech Control Office(s). At the request of Frontier, Ameritech will provide the ARF by NPA or metro area. A specified charge as set forth at Item I of the Pricing Schedule will apply per request. Until such time as a mechanized process for provision of this information is made available by Ameritech and, at intervals determined by Ameritech, Ameritech shall provide to Frontier in a paper format any updates to the address and routing file.
- (e) Ameritech will coordinate access to the Ameritech ALI database for the initial loading and updating of Frontier Customer information. Access coordination will include:
 - (1) Ameritech provided format requirements and a delivery address for Frontier to supply an electronic version of Customer telephone numbers, addresses and other

information both for the initial load and, where applicable, daily updates. Ameritech shall confirm receipt of this data as described in **Section 3.9.2(f)**;

- (2) Coordination of error resolution involving entry and update activity;
- (3) Provisioning of specific 9-1-1 routing information on each access line; and
- (4) Providing Frontier with reference data required to ensure that Frontier's Customer will be routed to the correct Control Office when originating a 9-1-1 call.

Updating the Ameritech ALI database from paper records of service order activity supplied by Frontier is optional. The charge for this service is separate and set forth at Item I of the Pricing Schedule under the category **“Optional Manual Update”**; and

(f) Frontier or its third party agent will provide CNA data to Ameritech for use in entering the data into the 9-1-1 database. The initial CNA data will be provided to Ameritech in a format prescribed by Ameritech. Frontier is responsible for providing Ameritech updates to the CNA data and error corrections that may occur during the entry of CNA data to the Ameritech 9-1-1 Database System. Frontier shall reimburse Ameritech for any additional database charges incurred by Ameritech for errors in CNA data updates caused by Frontier or its third-party agent. Ameritech will confirm receipt of such data and corrections by the next Business Day by providing Frontier with a report in the manner provided in the Implementation Plan of the number of items sent, the number of items entered correctly, and the number of errors.

(g) The services offered in this Agreement and the charges set forth at Item I of the Pricing Schedule contemplate that each NXX will reside in a single Control Office. Frontier may request that an NXX shall reside in more than one 9-1-1 Control Office; provided that Frontier shall pay Ameritech a one-time charge as set forth at Item I of the Pricing Schedule per 9-1-1 Control Office trunk group that is connected to such

9-1-1 Control Office (the “**9-1-1 Control Office Software Enhancement Connection Charge**”).

(h) In the event of an Ameritech or Frontier 9-1-1 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 the 9-1-1 Service between the Parties.

(i) Ameritech will provide the order number and circuit identification code in advance of the service due date.

(j) Frontier will monitor the 9-1-1 circuits for the purpose of determining originating network traffic volumes. Frontier will notify Ameritech if the traffic study information indicates that additional circuits are required to meet the current level of 9-1-1 call volumes.

(k) Each Party shall engineer incoming 9-1-1 trunks to attain a minimum P.01 grade of service as measured using the “**busy day/busy hour**” criteria or, at such other minimum grade of service as required by Applicable Law or a duly authorized government agency.

(l) If Frontier provides local exchange Telecommunications Services to its Customers through a means other than Resale Services, Frontier shall be responsible to submit to the applicable municipality(ies) any 9-1-1 surcharges assessed by such municipality(ies) on such local exchange Telecommunications Services provided to Frontier Customers.

III.9.3 Compensation.

(a) In addition to the amounts specified in **Section 3.9.2**, Frontier shall compensate Ameritech as set forth at Item I of the Pricing Schedule.

(b) The rates set forth in this Agreement for 9-1-1 Service do not include the inspection or monitoring by Ameritech of Frontier's facilities relating to errors, defects or malfunctions in the 9-1-1 Service. The Parties acknowledge and agree that Frontier, and not Ameritech, shall be responsible to conduct such operational

tests as Frontier deems necessary and appropriate to determine whether its facilities are functioning properly. Each Party shall promptly notify the other Party if its facilities used to provide 9-1-1 Service are not functioning properly.

III.9.4 Additional Limitations of Liability Applicable to 9-1-1 Service.

(a) Ameritech is not liable for the accuracy and content of CNA data that Frontier delivers to Ameritech. Frontier is responsible for maintaining the accuracy and content of that data as delivered; and

(b) Ameritech shall not be responsible for mistakes that appear in Ameritech's 9-1-1 databases and with respect to such mistakes, Frontier shall indemnify and hold Ameritech harmless from any and all Losses incurred on account thereof by third parties (including Frontier's Customers or employees). In addition, Ameritech's liability to Frontier and any third person shall also be limited to the maximum extent permitted by Applicable Law or tariff.

**ARTICLE IV
TRANSMISSION AND ROUTING OF TELEPHONE EXCHANGE
SERVICE TRAFFIC PURSUANT TO SECTION 251(c)(2)**

IV.1 Scope of Traffic. Article IV prescribes parameters for the facilities and trunk groups to be effected over the Interconnections specified in Article III for the transmission and routing of Local Traffic and IntraLATA Toll Traffic between the Parties' respective Telephone Exchange Service Customers (the "**Local/IntraLATA Trunks**").

IV.2 Limitations. No Party shall terminate Exchange Access traffic or originate untranslated 800/888 traffic over the Local/IntraLATA Trunks.

IV.3 Trunk Group Architecture and Traffic Routing. The Parties shall jointly engineer and configure Local/IntraLATA Trunks over the physical Interconnection arrangements as follows:

IV.3.1 Each Party shall initially configure a one (1)-way trunk group or, upon mutual agreement of the Parties, a two (2) way trunk group, as a direct transmission path between each RICO and AICO. If two (2) way trunk groups are established, each Party shall be responsible for fifty percent (50%) of the transport between the points of Interconnection.

IV.3.2 Notwithstanding anything to the contrary contained in this **Article IV**, if the traffic volumes between any two (2) Central Office Switches at any time exceeds the CCS busy hour equivalent of one (1) DS1, the Parties shall, within sixty (60) days after a Party receives notification of such occurrence from the other Party, establish new direct trunk groups to the applicable End Office(s) consistent with the grades of service and quality parameters set forth in the Plan (as defined in **Section 18.2**).

IV.3.3 Only those valid NXX codes served by an End Office may be accessed through a direct connection to that End Office.

IV.3.4 Each Party shall ensure that each Tandem connection permits the completion of traffic to all End Offices which sub-tend that Tandem. To the extent that a Party desires the ubiquitous delivery of traffic within an Exchange Area, each Party shall establish and maintain Logical Trunk Groups and separate physical facilities for such Logical Trunk Groups connected to each Tandem of the other Party which serves, or is sub-tended by End Offices which serve, such other Party's Customers within the Exchange Areas served by such Tandem Switches. Frontier shall either provide Logical Trunk Groups and such facilities for Logical Trunk Groups or purchase Logical Trunk Groups and such facilities for Logical Trunk Groups from Ameritech at the rates for Dedicated Interoffice Transmission Facilities set forth in Item V of the Pricing Schedule plus any additional costs required to provision such Logical Trunk Groups. Where a Tandem also provides End Office functionality, Interconnection by a Party at such Tandem shall provide access to Tandem and End Office functionality.

IV.3.5 If a pre-existing trunk group is unable to, or consistent with standard trunk engineering practices, is forecasted to be unable to support additional traffic loads, each Party shall, upon request of the other Party, provision, within thirty (30) days of such request, additional trunks to expand the capacity of such pre-existing trunk group, subject to **Section 19.12**.

IV.3.6 If a Tandem through which the Parties are Interconnected is unable to, or is forecasted to be unable to, support additional traffic loads for any Busy Season, the Parties will mutually agree on an End Office trunking plan that will alleviate the Tandem capacity shortage and ensure completion of traffic between Frontier and Ameritech Customers. For purposes of this Agreement, **“Busy Season”** means any three (3) consecutive month period.

IV.4 Signaling.

IV.4.1 Where available, Common Channel Interoffice Signaling (CCIS) signaling shall be used by the Parties to set up calls between the Parties' Telephone Exchange Service networks. Each Party shall supply Calling Party Number (CPN) (NPA/NXX assigned to its local exchange switch) within the SS7 signaling message. If CCIS is unavailable, Multi-Frequency (MF) signaling shall be used by the Parties. Each Party shall charge the other Party for CCIS signaling at the rates set forth at Item V of the Pricing Schedule.

IV.4.2 Each Party is responsible for requesting Interconnection to the other Party's CCIS network, where SS7 signaling on the trunk group(s) is desired. Each Party shall connect to a pair of access STPs that serve each LATA where traffic will be exchanged or shall arrange for signaling connectivity through a third party provider which is connected to the other Party's signaling network. The Parties shall establish Interconnection at the STP.

IV.4.3 The Parties will cooperate on the exchange of Transactional Capabilities Application Part (TCAP) messages to facilitate interoperability of CCIS-based features between their respective networks, including all CLASS features and functions, to the extent each Party offers such features and functions to its Customers. All CCIS signaling parameters will be provided, including Calling Party Number (CPN), Originating Line Information (OLI), calling party category and charge number. For terminating Exchange Access traffic, such information shall be passed by a Party to the extent that such information is provided to such Party.

IV.4.4 Where available and upon the request of the other Party, each Party shall cooperate to ensure that its trunk groups are configured utilizing the B8ZS ESF protocol for 64 Kbps clear channel transmission to allow for ISDN interoperability between the Parties' respective networks.

IV.5 Grades of Service. The Parties shall initially engineer and shall jointly monitor and enhance all trunk groups consistent with the Plan.

IV.6 Measurement and Billing.

IV.6.1 For billing purposes, each Party shall pass CPN associated with that Party's originating switch on each call that originates on its network over the Local/IntraLATA Trunks; provided that all calls that originate on a Party's network and are exchanged without CPN information shall be billed as either Local Traffic or IntraLATA Toll Traffic based upon a percentage of local usage (PLU) factor calculated based on the amount of actual volume during the preceding three (3) months. The PLU will be reevaluated every three (3) months. If either Party fails to pass at least ninety percent (90%) of calls that originate on its network with CPN within a monthly billing period, then either Party may require that separate trunk groups for Local Traffic and IntraLATA Toll Traffic be established.

IV.6.2 Measurement of Telecommunications traffic billed hereunder shall be (i) in actual conversation time as specified in FCC terminating FGD Switched access tariffs for Local Traffic and (ii) in accordance with applicable tariffs for all other types of Telecommunications traffic.

IV.7 Reciprocal Compensation Arrangements -- Section 251(b)(5). Compensation for the transport and termination of Local Traffic and IntraLATA Toll Traffic shall be pursuant to

this **Section 4.7**. Compensation for traffic that is delivered through Transit Service shall be pursuant to **Section 7.2**.

IV.7.1 Reciprocal Compensation applies for transport and termination of Local Traffic billable by Ameritech or Frontier which a Telephone Exchange Service Customer originates on Ameritech's or Frontier's network for termination on the other Party's network. The originating Party shall compensate the terminating Party for the transport and termination of Local Traffic for the function(s) provided by that terminating Party at the rate(s) provided at Item II of the Pricing Schedule; provided that Frontier shall be paid only the rate for End Office Local Termination. The Parties' obligation to pay Reciprocal Compensation to the other Party 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 capable of fully supporting "live" traffic.

IV.7.2 (a) The Parties agree not to pay Reciprocal Compensation on traffic which originates on a Party's physical switch, is transported and handed off to the other Party and then routed/delivered to an ISP Point of Presence.

(b) Each Party agrees to cooperate with the other Party and take any and all reasonable steps to identify all ISP traffic that originated on its network that is routed to the other Party. Not less than thirty (30) days before the first Interconnection Activation Date, and thereafter by the twenty-second (22nd) day of each calendar month during the Term, each Party shall provide the other Party a comprehensive list of each NPA-NXX-XXXX that is assigned to or used by an ISP and to which such first Party routed calls during the preceding calendar month. In each monthly report, the list shall also include the number of minutes of traffic that such Party believes was delivered to each ISP during the preceding month and an identification of those numbers that are used solely for administrative use (i.e., traffic that is not destined for the Internet). Notwithstanding **Section 20.1.1**, any information disclosed by one Party to the other Party pursuant to this **Section 4.7.2(b)** shall be deemed "Proprietary Information" under **Article XX**.

IV.7.3 Each Party shall charge the other Party its effective applicable federal and state tariffed intraLATA FGD switched access rates for those functions a Party performs relating to the transport and termination of IntraLATA Toll Traffic.

IV.7.4 Compensation for transport and termination of all traffic which has been subject to performance of INP by one Party for the other Party pursuant to **Article XIII** shall be as specified in **Section 13.7**.

ARTICLE V
TRANSMISSION AND ROUTING OF EXCHANGE
ACCESS TRAFFIC PURSUANT TO 251(c)(2)

V.1 Scope of Traffic. Article V prescribes parameters for certain facilities and trunk groups to be established over the Interconnections specified in Article III for the transmission and routing of Exchange Access traffic and nontranslated 800 traffic between Frontier Telephone Exchange Service Customers and Interexchange Carriers (the “**Access Toll Connecting Trunks**”). Compensation for the transmission and routing of Exchange Access traffic is provided for in Article VI.

V.2 Trunk Group Architecture and Traffic Routing.

V.2.1 The Parties shall jointly establish Access Toll Connecting Trunks by which they will jointly provide Tandem-transported Switched Exchange Access Services to Interexchange Carriers to enable such Interexchange Carriers to originate and terminate traffic from and to Frontier's Customers.

V.2.2 Access Toll Connecting Trunks shall be used solely for the transmission and routing of Exchange Access, nontranslated 800/888 and 976 traffic to allow Frontier's Customers to connect to or be connected to the interexchange trunks of any Interexchange Carrier which is connected to an Ameritech access Tandem.

V.2.3 The Access Toll Connecting Trunks shall be two-way trunks connecting an End Office Switch that Frontier utilizes to provide Telephone Exchange Service and Switched Exchange Access Service in a given LATA to an access Tandem Switch Ameritech utilizes to provide Exchange Access in such LATA.

V.3 End Office Access. Only those valid NXX codes served by an End Office may be accessed through a direct connection to that End Office.

**ARTICLE VI
MEET-POINT BILLING ARRANGEMENTS**

VI.1 Meet-Point Billing Services.

VI.1.1 Pursuant to the procedures described in Multiple Exchange Carrier Access Billing (“**MECAB**”) document SR-BDS-000983, Issue 5, June 1994, the Parties shall provide to each other the Switched Access Detail Usage Data and the Switched Access Summary Usage Data to bill for jointly provided switched access service such as switched access Feature Groups B and D. If the procedures in the MECAB document are amended or modified, the Parties shall implement such amended or modified procedures within a reasonable period of time.

VI.1.2 Frontier shall designate access Tandems or any other reasonable facilities or points of Interconnection for the purpose of originating or terminating IXC traffic. For each such access Tandem designated, the Parties shall utilize a billing percentage determined in accordance

with **Schedule 6.0** to bill IXC traffic. Either Party may make this billing percentage information available to IXCs. The billing percentages shall be calculated according to one of the methodologies specified for such purposes in the MECAB document.

VI.1.3 The Parties shall undertake all reasonable measures to ensure that the billing percentage and associated information are maintained in their respective federal and state access tariffs, as required, until such time as such information can be included in the National Exchange Association (“NECA”) FCC Tariff No. 4. Frontier shall use its best efforts to include in such tariff the billing percentage and associated information as a non-member of NECA.

VI.1.4 Each Party shall implement the “**Multiple Bill/Single Tariff**” option in order to bill the IXC for each Party’s own portion of jointly provided Telecommunications Service.

VI.2 Data Format and Data Transfer.

VI.2.1 Necessary billing information will be exchanged on magnetic tape or via electronic data transfer (when available) using the Exchange Message Record (“EMR”) format. The Parties shall agree to a fixed billing period in the Implementation Plan.

VI.2.2 Frontier shall provide to Ameritech, on a monthly basis, the Switched Access Summary Usage Data (category 1150XX records) on magnetic tape or, when available, via electronic data transfer using the EMR format.

VI.2.3 Ameritech shall provide to Frontier, on a daily basis, the Switched Access Detail Usage Data (category 1101XX records) on magnetic tape no later than fourteen (14) days from the usage recording date. Ameritech shall provide the information on magnetic tape or, when available, via electronic data transfer (e.g., network data mover), using EMR format. Ameritech and Frontier shall use best efforts to utilize electronic data transfer.

VI.2.4 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 Party if the level of billing or other BAR/BACR elements change, resulting in a new BAR/BACR number.

VI.2.5 When Ameritech records on behalf of Frontier and Switched Access Detail Usage Data is not submitted to Frontier by Ameritech in a timely fashion or if such Access Detail Usage Data is not in proper format as previously defined, and if as a result Frontier is delayed in billing IXC, late payment charges will be payable by Ameritech to Frontier. Late payment charges will be calculated on the total amount of late access usage at the rate of 0.000493% per day (annual percentage rate of eighteen percent (18%)) compounded daily for the number of days late.

VI.2.6 If Switched Access Summary Usage Data is not submitted to Ameritech in a timely fashion or if it is not in proper format as previously defined and if as a result Ameritech is delayed in billing IXC, late payment charges will be payable by Frontier to Ameritech. Late payment charges will be calculated on the total amount of late access usage charges at the rate of 0.000493% per day (annual percentage rate of eighteen percent (18%)) compounded daily for the number of days late. Excluded from this provision will be any detailed usage records not provided by Ameritech in a timely fashion.

VI.3 Errors or Loss of Access Usage Data.

VI.3.1 Errors may be discovered by Frontier, the IXC or Ameritech. Each Party agrees to use reasonable efforts to provide the other Party with notification of any discovered errors within two (2) Business Days of such discovery. All claims by a Party relating to errors or loss of access usage data shall be made within thirty (30) calendar days from the date such usage data was provided to that Party.

VI.3.2 In the event of a loss of data, both Parties shall cooperate to reconstruct the lost data. If such reconstruction is not possible, the Parties shall use a reasonable estimate of the lost data, based on twelve (12) months of prior usage data; provided that if twelve (12) months of prior usage data is not available, the Parties shall base the estimate on as much prior usage data that is available; provided, however, that if reconstruction is required prior to the availability of at least three (3) months of prior usage data, the Parties shall defer such reconstruction until three (3) months of prior usage data is available.

VI.4 Payment. The Parties shall not charge one another for the services rendered pursuant to this **Article VI**.

VI.5 Limitation of Liability Applicable to Meet-Point Billing Arrangements. 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 data is lost, such providing Party will develop a substitute based on past usage, as set forth in **Section 6.3.2**.

**ARTICLE VII
TRANSPORT AND TERMINATION
OF OTHER TYPES OF TRAFFIC**

VII.1 Ancillary Services Traffic.

VII.1.1 This Section 7.1 applies to Ancillary Services Traffic which originates from either (i) Frontier's Resale Services Customers or (ii) Frontier's Customers utilizing Ameritech's Unbundled Local Switching and which terminates to the applicable information services platform connected to Ameritech's network.

VII.1.2 If Frontier elects not to be responsible for Ancillary Services Traffic, then Frontier must order blocking when submitting an order for the following: (i) resold lines and (ii) Ameritech's Unbundled Local Switching. If Frontier elects to be responsible for Ancillary Service Traffic, Frontier must indicate its agreement to comply with the terms and conditions set forth in **Schedule 7.1**. If Frontier has elected to be responsible for Ancillary Service Traffic but fails to comply with the terms and conditions set forth in **Schedule 7.1**, Ameritech may, in addition to exercising any other rights and remedies under this Agreement, block such traffic.

VII.2 BLV/BLVI Traffic.

VII.2.1 Busy Line Verification ("BLV") is performed when one Party's Customer requests assistance from the operator bureau to determine if the called line is in use; provided, however, the operator bureau will not complete the call for the Customer initiating the BLV inquiry. Only one BLV attempt will be made per Customer operator bureau call.

VII.2.2 Busy Line Verification Interrupt ("BLVI") is performed when one Party's operator bureau interrupts a telephone call in progress after BLV has occurred. The operator bureau will interrupt the busy line and inform the called party that there is a call waiting. The operator bureau will only interrupt the call and will not complete the telephone call of the Customer initiating the BLVI request. The operator bureau will make only one BLVI attempt per Customer operator telephone call and the applicable charge applies whether or not the called party releases the line.

VII.2.3 Each Party's operator bureau shall accept BLV and BLVI inquiries from the operator bureau of the other Party in order to allow transparent provision of BLV/BLVI Traffic between the Parties' networks. When Frontier does not use Ameritech's operator bureau, each Party shall route BLV/BLVI Traffic inquiries over separate direct trunks (and not the Local/IntraLATA Trunks) established between the Parties' respective operator bureaus. Unless otherwise mutually agreed, the Parties shall configure BLV/BLVI trunks over the Interconnection architecture defined in **Article III**, consistent with the Plan.

VII.2.4 Each Party shall compensate the other Party for BLV/BLVI Traffic as set forth at Item IV of the Pricing Schedule.

VII.3 Transit Service.

VII.3.1 Ameritech shall provide Frontier Transit Service as provided in this **Section 7.2.**

VII.3.2 **“Transit Service”** means the delivery over the Local/IntraLATA Trunks of (i) Local Traffic and IntraLATA Toll Traffic that (x) originates on Frontier's network and terminates to a third party LEC, ILEC or CMRS (such third parties collectively referred to as a **“Transit Counter-Party”**) and (y) originates on the Transit Counter Party's network and terminates to Frontier and (ii) 800 and 888 IntraLATA Toll Traffic that originates and terminates between one (1) or more IntraLATA Telecommunications Carriers, including third party LECs, ILECs and CMRSs (collectively, **“IntraLATA 800 Traffic”**), as more fully described in **Section 7.2.8.**

VII.3.3 Transit Service shall be provided only at Ameritech's Tandem Switches, and not at any Ameritech End Office.

VII.3.4 While the Parties agree that it is the responsibility of each Transit Counter-Party to enter into arrangements with Frontier to deliver Terminating Transit Traffic to Frontier, they acknowledge that such arrangements may not currently be in place and an interim arrangement will facilitate traffic completion on an interim basis. Accordingly, until the earlier of (i) the date on which either Party has entered into an arrangement with such Transit Counter-Party to deliver Termination Transit Traffic to Frontier and (ii) the termination of this Agreement, Ameritech will provide Frontier with Transit Service.

VII.3.5 To the extent that the originating party of a call delivers each call to Ameritech's network with SS7 CCIS and the appropriate Transactional Capabilities Application Part (**“TCAP”**) message, Ameritech will deliver such information to the terminating party.

VII.3.6 Frontier shall not bill Ameritech for any Transit Service traffic unless otherwise agreed in writing by Ameritech.

VII.3.7 The Parties shall compensate each other for Transit Service as follows:

(a) For Local Traffic and IntraLATA Toll Traffic originating from Frontier that is delivered over the Transit Service (**“Originating Transit Traffic”**):

(1) Frontier shall:

- (A) Pay to Ameritech a Transit Service charge as set forth in the Pricing Schedule; and
 - (B) Reimburse Ameritech for any charges, including switched access charges, that a Transit Counter-Party imposes or levies on Ameritech for delivery or termination of any such Originating Transit Traffic.
- (2) Ameritech shall remit to Frontier any access charges Ameritech receives from such Transit Counter-Party in connection with the delivery of such Originating Transit Traffic to such Transit Counter-Party.
- (b) For Local Traffic and IntraLATA Toll Traffic that is to be terminated to Frontier from a Transit Counter-Party (i) that is not subject to Primary Toll Carrier (“**PTC**”) arrangements (regardless of whether Ameritech is the PTC) and (ii) that Ameritech has a transiting arrangement with such Transit Counter-Party that authorizes Ameritech to deliver such traffic to Frontier (“**Other Party Transit Agreement**”), then Ameritech shall deliver such Terminating Transit Traffic to Frontier in accordance with the terms and conditions of such Other Party Transit Agreement and such third party LEC or CMRS provider (and not Frontier) shall be responsible to pay Ameritech the applicable Transit Service charge.
 - (c) For IntraLATA Toll Traffic which is subject to a PTC arrangement and where Ameritech is the PTC, Ameritech shall deliver such IntraLATA Toll Traffic to or from Frontier in accordance with the terms and conditions of such PTC arrangement. Ameritech shall reimburse Frontier at Frontier’s applicable tariffed terminating switched access rates.

VII.3.8 IntraLATA 800 Traffic shall be exchanged between the Parties as follows:

- (a) IntraLATA 800 Traffic may be delivered to Ameritech over the Local IntraLATA Trunks and if Ameritech performs the 800 query function, over the Access Toll Connecting Trunks. If the Local/IntraLATA Trunks are used and Frontier performs the 800 query function, the IntraLATA 800 Traffic will be recorded as toll calls. If the Access Toll Connecting Trunks are used, Ameritech will not record the IntraLATA 800 Traffic.
- (b) The Parties shall provide to each other IntraLATA 800 Access Detail Usage Data for Customers billing and IntraLATA 800 Copy Detail Usage Data for access billing. EMR exchange between the Parties will use the standard centralized message system delivery systems (CMDS). 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 or corrected data only.

- (c) IntraLATA 800 Traffic calls are billed to and paid for by the called or terminating party, regardless of which Party performs the 800 query. Because IntraLATA 800 Traffic may not be identified with a unique Carrier Identification Code (CIC), billing shall be based on originating and terminating NPA/NXX.

ARTICLE VIII INSTALLATION, MAINTENANCE, TESTING AND REPAIR

VIII.1 Operation and Maintenance. Each Party shall be solely responsible for the installation, operation and maintenance of equipment and facilities provided by it for Interconnection, subject to compatibility and cooperative testing and monitoring and the specific operation and maintenance provisions for equipment and facilities used to provide Interconnection. Operation and maintenance of equipment in Virtual Collocation shall be in accordance with the provisions of **Article XII**.

VIII.2 Installation, Maintenance, Testing and Repair. The intervals for installations, maintenance, joint testing, and repair of its facilities and services associated with or used in conjunction with Interconnection will be determined in accordance with the requirements of **Section 3.8**.

VIII.3 Additional Terms. Additional terms regarding the installation, maintenance, testing and repair of equipment and facilities used for Interconnection shall be as set forth in the Implementation Plan.

ARTICLE IX
UNBUNDLED ACCESS -- SECTION 251(c)(3)

IX.1 Access to Network Elements.

IX.1.1 Ameritech shall provide Frontier access to Ameritech's Network Elements on an unbundled basis at any technically feasible point mutually agreed by the Parties in accordance with the terms and conditions of this **Article IX** and the requirements of the Act. Ameritech shall provide Frontier access to each unbundled Network Element identified in **Section 9.2**, along with all of such unbundled Network Element's features, functions, and capabilities in accordance with the terms and conditions of **Article II** and as required by the Act, in a manner that shall allow Frontier to provide any Telecommunications Service that can be offered by means of that Network Element; provided that the use of such Network Element is consistent with the Act.

IX.1.2 Notwithstanding anything to the contrary in this Article IX, Ameritech shall not be required to provide Network Elements beyond those identified in 47 C.F.R. § 51.319 to Frontier if:

(1) The Commission concludes that:

(A) such Network Element is proprietary or contains proprietary information that will be revealed if such Network Element is provided to Frontier on an unbundled basis; and

(B) Frontier could offer the same proposed Telecommunications Service through the use of other, nonproprietary Network Elements within Ameritech's network; or

(2) The Commission concludes that the failure of Ameritech to provide access to such Network Element would not decrease the quality of, and would not increase the financial or administrative cost of, the Telecommunications Service Frontier seeks to offer, compared with providing that service over other unbundled Network Elements in Ameritech's network.

IX.1.3 Ameritech shall be required to make available access to its Network Elements at the rates specified herein only where such Network Elements, including facilities and software necessary to provide such Network Elements, are available. If Ameritech makes available access to a Network Element that requires special construction, Frontier shall pay to Ameritech any applicable special construction charges. The Parties shall mutually agree on the nature and manner of any required special construction, the applicable charges thereto and the negotiated interval(s) that will apply to the provisioning of such Network Element(s) in lieu of the standard intervals set forth on **Schedule 9.10**.

IX.2 Network Elements. At the request of Frontier, Ameritech shall provide Frontier access to the following Network Elements on an unbundled basis:

IX.2.1 Local Loops, as more fully described on **Schedule 9.2.1**;

IX.2.2 The Network Interface Device, as more fully described on **Schedule 9.2.2**;

IX.2.3 Switching Capability, as more fully described on **Schedule 9.2.3**;

IX.2.4 Interoffice Transmission Facilities, as more fully described on **Schedule 9.2.4**;

IX.2.5 Signaling Links and Call-Related Databases, as more fully described on **Schedule 9.2.5**;

IX.2.6 Operations Support Systems (“OSS”) functions, to be used in conjunction with other Network Elements, as more fully described on **Schedule 9.2.6**; and

IX.2.7 Operator Services and Directory Assistance, as more fully described on **Schedule 9.2.7**.

IX.3 Frontier’s Combination of Network Elements.

IX.3.1 Ameritech shall provide Frontier access to Network Elements in a manner that shall allow Frontier to combine such Network Elements to provide a Telecommunications Service. Ameritech shall provide Frontier with access to all features and capabilities of each individual Network Element that Frontier combines in the same manner and subject to the same technical and interface requirements that Ameritech provides when such Network Elements are provided to Frontier on an individual basis.

9.3.2 Frontier, and not Ameritech, is responsible for performing the functions necessary to combine the unbundled Network Elements it requests from Ameritech. Frontier shall not combine unbundled Network Elements in a manner that will impair the ability of other Telecommunications Carriers to obtain access to unbundled Network Elements or to Interconnect with Ameritech's network.

IX.4 Nondiscriminatory Access to and Provision of Network Elements.

IX.4.1 The quality of an unbundled Network Element as well as the quality of the access to such unbundled Network Element that Ameritech provides to Frontier shall be the same for all Telecommunications Carriers requesting access to such Network Element.

9.4.2 The quality of a Network Element, as well as the quality of the access to such Network Element, that Ameritech provides to Frontier hereunder shall be equal in quality to

that which Ameritech provides to itself, its subsidiaries, Affiliates and any other person, unless Ameritech proves to the Commission that it is not technically feasible to provide the Network Element requested by Frontier, or access to such Network Element, at a level of quality that is equal to that which Ameritech provides to itself.

9.4.3 Consistent with Frontier's forecasted volumes and subject to the terms and conditions of **Section 19.5**, Ameritech shall provide Frontier access to Network Elements and Operations Support Systems functions, including the time within which Ameritech provisions such access to Network Elements, on terms and conditions no less favorable than the terms and conditions under which Ameritech provides such elements to itself, its subsidiaries, Affiliates and any other person, except as may be provided by the Commission.

9.4.4 Notwithstanding anything to the contrary contained herein, if Frontier submits to Ameritech manual orders for Network Elements, Ameritech shall provide access to such manually ordered Network Elements on terms and conditions no less favorable than the terms and conditions under which Ameritech provides manually-ordered elements to itself, its subsidiaries, Affiliates and any other person.

IX.5 Provisioning of Network Elements.

IX.5.1 Ameritech shall provide Frontier unbundled Network Elements as set forth on **Schedule 9.5**. If Frontier submits "manual orders" for unbundled Network Elements in lieu of using any available electronic interfaces to submit such orders, the Parties agree that the terms and conditions set forth in Ameritech's unbundled Network Elements tariff(s) shall apply to Frontier's submission of such "manual orders" or, if no such terms or conditions are then set forth in the unbundled Network Elements tariff(s) or if such tariff(s) is not then in effect, the Parties shall apply the terms and conditions set forth in the Implementation Plan that address such manual orders.

IX.5.2 Ameritech shall provide Frontier access to the functionalities for Ameritech's pre-ordering, ordering, provisioning, maintenance and repair and billing functions of the Operations Support Systems functions that relate to the Network Elements that Frontier purchases hereunder. Access to such functionalities for the Operations Support Systems functions shall be as provided in **Schedule 9.2.6** and the Implementation Plan.

IX.5.3 Prior to submitting an order for access to a Network Element which replaces, in whole or in part, a service offered by Ameritech or any other telecommunications provider for which Ameritech changes a primary Local Exchange Carrier ("PLEC"), Frontier shall comply with the requirements of **Section 10.11.1**.

IX.5.4 Except as specifically provided in this Agreement or pursuant to an order of a court or commission of competent jurisdiction, Ameritech may not initiate any disconnect, suspension or termination of any Frontier ordered Network Element unless directed to do so by

transmission of a Service Order or Ameritech's receipt of proper authorization to change such Customer's PLEC to a carrier other than Frontier.

9.5.5 If any dispute should occur concerning the selection of a PLEC by a Customer of a Party that is served by an unbundled Network Element, the Parties shall follow the procedures described on **Schedule 10.11.2**.

9.5.6 When Ameritech receives an order for access to an unbundled Network Element or Elements from Frontier for the provision of local exchange Telecommunications Services for Frontier's Customer, and that Customer is currently provided local exchange Telecommunications Services by another carrier ("**Carrier of Record**") Ameritech shall notify such Carrier of Record of such order in the same manner as described in **Section 10.11.1**. It shall then be the responsibility of the Carrier of Record and Frontier to resolve any issues related to that Customer. Frontier agrees to indemnify and hold Ameritech harmless against any and all losses that may result from Ameritech acting under this **Section 9.5.6**.

IX.6 Availability of Additional Network Elements. Any request by Frontier for access to a Network Element that is not otherwise provided by the terms of this Agreement at the time of such request shall be made pursuant to a Bona Fide Request and shall be subject to the payment by Frontier of all applicable costs in accordance with Section 252(d)(1) of the Act to process such request and to develop, install and provide access to such Network Element.

IX.7 Pricing of Unbundled Network Elements.

IX.7.1 Ameritech shall charge Frontier the non-recurring and monthly recurring rates for unbundled Network Elements (including the monthly recurring rates for these specific Network Elements, service coordination fee, and Cross-Connect charges) as specified at Item V of the Pricing Schedule. If Frontier requests and Ameritech agrees to provide services in excess of or not otherwise contemplated by this Agreement, Frontier shall pay Ameritech for any additional charges to perform such services.

9.7.2 Consistent with the Act and as prescribed by the FCC and the Commission, Ameritech and Frontier shall be entitled to interstate and intrastate access charges related to Frontier's purchase of access to unbundled Network Elements.

9.7.3 If Frontier submits to Ameritech manual orders for unbundled Network Elements, each manual order shall be subject to a non-recurring charge as set forth in the applicable tariff(s), or if no charge(s) are contained therein, at rates that compensate Ameritech for its costs in accordance with Section 252(d) of the Act to process such manual orders.

IX.8 Billing. Ameritech shall bill Frontier for access to unbundled Network Elements pursuant to the requirements of **Article XXVII** to this Agreement.

IX.9 Maintenance of Unbundled Network Elements.

9.9.1 Ameritech shall provide maintenance of Loops as set forth in **Schedule 10.13**.

9.9.2 If (i) Frontier reports to Ameritech a suspected failure of a Network Element, (ii) Frontier requests a dispatch, (iii) Ameritech dispatches a technician, and (iv) such trouble was not caused by Ameritech's facilities or equipment, then Frontier shall pay Ameritech a trip charge and time charges as set forth at Item V of the Pricing Schedule.

IX.10 Standards of Performance.

IX.10.1 Ameritech shall provide to Frontier access to unbundled Network Elements (i) in accordance with **Section 9.4** as determined by this **Section 9.10** and (ii) as required by the Commission (collectively, the “**Ameritech Network Element Performance Benchmarks**”).

IX.10.2 To determine Ameritech's compliance with the Ameritech Network Element Performance Benchmarks, Ameritech shall maintain records of the specific criteria listed in **Schedule 9.10** which criteria are the criteria that Ameritech currently measures to evaluate its provision of unbundled Network Elements (each, a “**Network Element Performance Activity**”). Ameritech shall provide records relating to the access to unbundled Network Elements Ameritech provides to itself, its subsidiaries and Affiliates (the “**Ameritech NE Records**”) and parallel records of the access to unbundled Network Elements Ameritech provides to (x) Frontier (the “**Frontier NE Records**”) and (y) other LECs in the aggregate (the “**Other LEC NE Records**”), in each case segregated on the basis of whether the unbundled Network Elements were ordered as provided in **Schedules 9.2.6** and **9.5** or through manual orders. The criteria will be revised in accordance with the procedures set forth in the Implementation Plan if Ameritech no longer measures a criterion in assessing its performance in providing Network Elements or begins measuring additional criteria.

IX.10.3 Subject to the last sentence of this **Section 9.10.3**, Ameritech shall provide to Frontier for each Reporting Period, by the twenty-second (22nd) day of the following month, in a self-reporting format, the applicable Ameritech NE Records, the Frontier NE Records and the Other LEC NE Records so that the Parties can determine Ameritech's compliance with the Ameritech Network Element Performance Benchmarks. If (i) Ameritech fails to comply with an Ameritech Network Element Performance Benchmark with respect to a Network Element Performance Activity for a Reporting Period, (ii) the sample size of the Network Element Performance Activity measured for such Reporting Period is statistically valid and (iii) the amount by which the applicable Ameritech Network Element Performance Activity deviates from the corresponding Network Element Performance Benchmark is statistically significant, then Ameritech shall have committed an “**NE Specified Performance Breach**”. Notwithstanding anything to the contrary in this **Section 9.10.3**, the Parties acknowledge that (x) the Other LEC NE Records shall be provided to

Frontier on an aggregate basis and (y) such Other LEC NE Records shall be provided to Frontier in a manner that preserves the confidentiality of each other LEC and any of such LEC's proprietary information (including CPNI). Notwithstanding anything to the contrary in this **Section 9.10**, Ameritech shall not be required to provide Frontier any records as set forth in this **Section 9.10.3** if Frontier is leasing less than one thousand (1000) unbundled Network Elements from Ameritech for a given Reporting Period.

IX.10.4 In no event shall Ameritech be deemed to have committed a Network Element Specified Performance Breach if Ameritech's failure to meet or exceed a Network Element Performance Activity is caused by a Delaying Event. If a Delaying Event (i) prevents Ameritech from performing a certain function or action that affects a Network Element Performance Activity, then such occurrence shall be excluded from the calculation of such Network Element Performance Activity and the determination of Ameritech's compliance with the applicable Ameritech Network Element Performance Benchmark or (ii) only suspends Ameritech's ability to timely perform such Network Element Performance Activity, then the applicable time frame in which Ameritech's compliance with the Ameritech Network Element Performance Benchmark is measured shall be extended on a like-time basis equal to the duration of such Delaying Event.

IX.10.5 Upon the occurrence of a Network Element Specified Performance Breach by Ameritech, Frontier may forego the dispute escalation procedures set forth in **Section 28.3** and seek any relief it is entitled to under Applicable Law.

IX.10.6 Frontier shall also be entitled to any Credit Allowances pursuant to the same terms and conditions that Ameritech offers Credit Allowances to its Customers.

ARTICLE X RESALE AT WHOLESALE RATES--SECTION 251(c)(4)

X.1 Telecommunications Services Available for Resale at Wholesale Rates. Commencing on the Service Start Date, upon the request of Frontier and subject to the terms, conditions and limitations set forth in this Agreement, Ameritech will make available to Frontier for resale at wholesale rates those Telecommunications Services that Ameritech provides at retail to subscribers who are not Telecommunications Carriers, as required by Section 251(c)(4) of the Act (the "**Resale Services**"). The Resale Services available to Frontier and the rates for such Resale Services are set forth on **Schedule 10.1**.

X.2 Other Services. Ameritech may, at its sole discretion, make available to Frontier under this Agreement services other than Telecommunications Services (e.g., voicemail) for resale at rates, terms and conditions agreed upon by the Parties.

X.3 Limitations on Availability of Resale Services.

The following limitations shall apply to Resale Services:

X.3.1 The Telecommunications Services that Ameritech offers to existing retail subscribers, but not to new subscribers (“**Grandfathered Services**”) are identified in the Resale Tariff, as such Resale Tariff may be revised or supplemented from time to time to include those additional services that Ameritech may, at its discretion and to the extent permitted by Applicable Law, classify as Grandfathered Services. Ameritech agrees to make Grandfathered Services available to Frontier for resale, subject to the terms of **Section 10.3.2**, to those Customers that (i) subscribed to the applicable Telecommunications Service (whether through Ameritech or Frontier as the provider) at the time such service was classified by Ameritech as a Grandfathered Service and (ii) continue to subscribe to such Grandfathered Service at the time of such Customer's selection of Frontier as its primary Local Exchange Carrier. Grandfathered Services shall be made available to Frontier at wholesale rates determined in accordance with the Act. To the extent that Ameritech is unable to provide wholesale systems support and billing within the first ninety (90) days from the date each Frontier Resale Service Customer is provided such Grandfathered Service, Ameritech shall retroactively apply such wholesale rate as a credit to Frontier and will bill such service to Frontier from its retail billing systems.

X.3.2 The Telecommunication Services that Ameritech currently intends to discontinue offering to any retail subscriber (“**Sunsetted Services**”) are identified in the Resale Tariff, as such Resale Tariff may be revised or supplemented from time to time to include those additional Telecommunications Services that Ameritech may, at its discretion and to the extent permitted by Applicable Law, classify as Sunsetted Services. Ameritech agrees to make Sunsetted Services available to Frontier for resale to Frontier's Customers who are subscribers to the Sunsetted Service either from Ameritech or Frontier at the time so classified (subject to the provisions of **Section 10.3.1** if such Sunsetted Service was classified as a Grandfathered Service prior to its classification as a Sunsetted Service) until the date such service is discontinued.

X.3.3 Each Party acknowledges that Resale Services shall be available to Frontier on the same basis as offered by Ameritech to itself or to any subsidiary, Affiliate, or any other person to which Ameritech directly provides the Resale Services, including Ameritech's retail Customers and other resellers of Ameritech's Telecommunications Services (i) only in those service areas in which such Resale Services (or any feature or capability thereof) are offered by Ameritech to itself or to any subsidiary, Affiliate, or any other person, including Ameritech's retail Customers and (ii) to the same extent as Ameritech's retail Telecommunications Services are subject to the availability of facilities.

X.4 Additional Charges for Resale Services. In addition to the rates set forth at Item VI of the Pricing Schedule, Frontier shall pay Ameritech (i) for any applicable charges or fees, if any, incident to the establishment or provision of the Resale Services requested by Frontier, including channel charges, initial non-recurring charges and construction charges and (ii) the applicable non-

discounted end user common line charge as set forth in F.C.C. No. 2, Section 4. If the provision of any Resale Service requires construction, Frontier shall pay to Ameritech any applicable special construction charges. If special construction is required, the Parties shall mutually agree on the nature and manner of such special construction, the applicable charges thereto and the negotiated interval(s) that will apply to the provisioning of such Resale Service(s) in lieu of the standard intervals set forth on **Schedule 10.9.2**. The wholesale discount set forth at Item VI of the Pricing Schedule is not applicable to taxes or other pass-through charges, including the charges described in this **Section 10.4**.

X.5 Restrictions on Resale Services.

X.5.1 To the extent provided by Applicable Law, including Section 357(2) of the Michigan Telecommunications Act, Frontier may not offer Resale Services that are made available only to residential Customers or to a limited class of residential Customers to classes of Customers that are not eligible to subscribe to such services from Ameritech.

X.5.2 Ameritech shall not be required to provide to Frontier a Resale Service at a promotional rate that Ameritech offers at retail, nor shall Ameritech be required to provide a wholesale discount off a promotional rate if:

- (a) Such promotions involve rates that will be in effect for no more than ninety (90) days; and
- (b) Such promotional offerings are not used to evade the wholesale rate obligation; for example, by making available a sequential series of ninety (90) day promotional rates.

X.5.3 Nothing in this Agreement shall require Ameritech to provide to Frontier promotional service elements that are not Telecommunications Services (*i.e.*, customer-premises equipment).

X.5.4 Frontier shall not utilize Resale Services to avoid applicable access charges.

X.5.5 As provided in the Act, Frontier may not purchase Resale Services unless such services are resold to a person other than Frontier, its subsidiaries and Affiliates.

X.5.6 Resale Services can only be used in the same manner as specified in Ameritech's retail tariffs.

X.5.7 Ameritech may impose additional restrictions on Frontier's purchase and sale of Resale Services only as permitted by the Act, the Commission and the FCC.

X.6 New Resale Services; Changes in Provision of Resale Services. Ameritech shall, via tariff filings, notify Frontier of any changes in the terms and conditions under which Ameritech offers Resale Services, including the introduction of any new features, functions or services. Notwithstanding anything to the contrary contained herein, any notice or information provided by Ameritech pursuant to this **Section 10.6** (other than in a publicly filed tariff) shall be deemed “**Proprietary Information**” and subject to the terms and conditions of **Article XX**.

X.7 Operations Support Systems Functions. Ameritech shall provide Frontier nondiscriminatory access to, and Frontier shall use, Ameritech's Operations Support Systems functions for pre-ordering, ordering, provisioning, maintenance, repair and billing.

X.8 Nondiscriminatory Provision of Resale Services.

X.8.1 Resale Services made available by Ameritech for resale hereunder and Operations Support Systems functions for ordering, provisioning, repair, maintenance and billing shall be equal in quality to that provided by Ameritech to itself or to any subsidiary, Affiliate or any other person to which Ameritech directly provides the Resale Service, including Ameritech's retail Customers.

X.8.2 Consistent with Frontier’s forecasted volumes and subject to the terms and conditions of **Section 19.5**, Ameritech shall provision Resale Services with the same timeliness that such Resale Services are provisioned to Ameritech's subsidiaries, Affiliates, or other persons to whom Ameritech directly provides the Resale Service, including Ameritech's retail Customers; provided that if Frontier submits Non-Electronic Orders for Resale Services pursuant to **Section 10.13.2(b)**, Ameritech shall provision such orders as provided in **Section 10.13.2(b)(iii)**.

X.9 Standards of Performance.

X.9.1 Ameritech shall provide Resale Services to Frontier (i) in accordance with **Section 10.8** as determined by this **Section 10.9**, but subject to **Section 10.4** and (ii) as required by the Commission (collectively, the “**Resale Performance Benchmarks**”).

X.9.2 To determine Ameritech's compliance with the Resale Performance Benchmarks, Ameritech shall maintain records of specific criteria listed on **Schedule 10.9.2** (each, a “**Resale Performance Activity**”) relating to Resale Services it provides to itself and to its subsidiaries, Affiliates and Ameritech's retail Customers (the “**Ameritech Resale Records**”) and parallel records of the Resale Services provided to (i) Frontier (the “**Frontier Records**”) and (ii) on an aggregate basis, resellers of Telecommunications Services other than Frontier (the “**Other Reseller Records**”), in each case segregated on the basis of whether the Resale Services were ordered through the Provisioning EI or by Non-Electronic Orders. The Resale Performance Activities will be revised in accordance with the procedures set forth in the Implementation Plan if Ameritech (x) no longer measures a Resale Performance Activity in assessing its performance in

providing such Resale Service to Ameritech's retail Customers or (y) begins measuring additional criteria to assess such performance.

X.9.3 Subject to Section 10.9.2 and the last sentence of this Section 10.9.3, Ameritech shall provide to Frontier for each Reporting Period, by the twenty-second (22nd) day of the following month, in a self-reporting format, the applicable Ameritech Resale Records, the Frontier Resale Records and the Other Reseller Records so that the Parties can determine Ameritech's compliance with the Resale Performance Benchmarks. If (i) Ameritech fails to comply with a Resale Performance Benchmark with respect to a Resale Performance Activity for a Reporting Period, (ii) the sample size of the Resale Performance Activity measured for such Reporting Period is statistically valid, and (iii) the amount by which the applicable Resale Performance Activity deviates from the corresponding Resale Performance Benchmark is statistically significant, then Ameritech shall have committed a **“Resale Specified Performance Breach.”** Notwithstanding anything to the contrary in this Section 10.9.3, the Parties acknowledge that the Other Reseller Records shall be provided to Frontier (x) on an aggregate basis and (y) in a manner that preserves the confidentiality of each other reseller and any of such reseller's proprietary information (including CPNI). Notwithstanding anything to the contrary in this Section 10.9, Ameritech shall not be required to provide Frontier any records as set forth in this Section 10.9.3 if Frontier is reselling less than one thousand (1000) resold lines in a given Reporting Period.

X.9.4 In no event shall Ameritech be deemed to have committed a Resale Specified Performance Breach if Ameritech's failure to meet or exceed a Resale Performance Activity is caused by a Delaying Event. If a Delaying Event (i) prevents Ameritech from performing a certain function or action that affects a Resale Performance Activity, then such occurrence shall be excluded from the calculation of such Resale Performance Activity and the determination of Ameritech's compliance with the applicable Resale Performance Benchmark or (ii) only suspends Ameritech's ability to timely perform such Resale Performance Activity, then the applicable time frame in which Ameritech's compliance with the Resale Performance Benchmark is measured shall be extended on a like-time basis equal to the duration of such Delaying Event.

X.9.5 Upon the occurrence of a Resale Specified Performance Breach by Ameritech, Frontier may elect one of the following two remedies:

- (a) Forego the dispute escalation procedures set forth in Section 28.3 and seek any relief it is entitled to under Applicable Law; or
- (b) Ameritech shall pay to Frontier as liquidated damages any amounts that Frontier is entitled to receive under then existing Commission procedures relating to the failure by Ameritech to comply with the Commission performance standards.

X.9.6 Frontier shall also be entitled to any Credit Allowances pursuant to the same terms and conditions that Ameritech offers Credit Allowances to its retail Customers.

X.10 Branding.

X.10.1 If Operator Call Completion or Directory Assistance Service is a feature of an offered Resale Service, Ameritech shall rebrand such features of such offered Resale Service as requested by Frontier for Frontier's Customers, unless Ameritech lacks the technical capability to comply with such rebranding request, as approved by the Commission.

X.10.2 Ameritech shall make available to Frontier, upon Frontier's request, the ability to route:

- (i) Local Directory Assistance calls dialed by Frontier's Customers directly to Frontier Directory Assistance Services platform, to the extent such routing is technically feasible; and
- (ii) Local Operator Services calls (0+, 0-) dialed by Frontier Customers directly to the Frontier Local Operator Services platform. Such traffic shall be routed over trunk groups between Ameritech End Offices and the Frontier Local Operator Services platform, using standard Operator Services dialing protocols of 0+ or 0-, to the extent such routing is technically feasible.

The routing capabilities described above will be implemented according to the Implementation Plan. To the extent technically feasible, all direct routing capabilities described in this **Section 10.10.2** shall permit Frontier Customers to dial the same telephone numbers for Frontier Directory Assistance and Local Operator Service that similarly situated Ameritech Customers dial for reaching equivalent Ameritech services.

X.10.3 Notwithstanding anything to the contrary in this Agreement, the Parties agree that Ameritech shall have no obligation to unbrand or rebrand its service technicians or trucks, any customer premises equipment, any other customer-owned facilities or its outside plant.

X.10.4 Frontier shall not, without Ameritech's prior written consent, offer any Resale Service to any Customer under any brand name of Ameritech, its subsidiaries or its Affiliates, nor shall Frontier state or imply that there is any joint business association or any similar arrangement with Ameritech in the provision of Resale Service to Frontier's Customers, except to the extent Frontier deems it necessary to advise its Customers that Ameritech's personnel will perform work on behalf of Frontier under this Agreement or that some facilities used in provisioning service are owned and maintained by Ameritech; provided, however, that Frontier shall make no disparaging statements about Ameritech or its facilities, products or services.

X.10.5 In those instances where Frontier requires Ameritech personnel to interface directly with Frontier Customers, either orally in person or by telephone, or in writing, such personnel shall identify themselves as Ameritech's employees representing Frontier.

X.10.6 Any “no access” cards and time and materials invoices furnished during service calls by Ameritech personnel to Frontier Customers shall be available to Frontier for review and shall be provided to Frontier Customers in an unbranded form.

X.10.7 In no event shall Ameritech personnel acting on behalf of Frontier pursuant to this Agreement provide information to any existing Frontier Customer about Ameritech products or services.

X.10.8 Frontier shall pay Ameritech's costs, if any, pursuant to the pricing standard in Section 252(d)(1) of the Act and in such amounts or levels as determined by the Commission for providing any requested branding or routing under this **Section 10.10**.

X.11 Primary Local Exchange and Interexchange Carrier Selections.

X.11.1 The Parties shall apply all of the principles set forth in the Act and Applicable Law, including 47 C.F.R. § 64.1100, to the process for Customer selection of a PLEC. Ameritech shall not require a disconnect order from a Frontier Customer, or another LEC, in order to process a Frontier order for Resale Service for a Frontier Customer. Ameritech shall advise Frontier whenever a Frontier Customer has selected another PLEC by giving notice to Frontier via the Provisioning EI within twenty-four (24) hours of the change being completed by Ameritech. Until the FCC or the Commission adopts final rules and procedures regarding a Customer's selection of a PLEC, each Party shall deliver to the other Party a representation of authorization in the form set forth on **Schedule 10.11.1** that applies to all orders submitted by a Party under this Agreement that require a PLEC change. Such representation of authorization shall be delivered to the other Party prior to the first order submitted by a Party. Each Party shall retain on file all applicable Letters and Documentation of Authorization (each as defined in **Schedule 10.11.1**) relating to its Customer's selection of such Party as its PLEC, which documentation shall be available for inspection by the other Party at its request during normal business hours.

X.11.2 If any dispute should occur concerning the selection of a PLEC by a Customer of a Party, the following procedures shall apply:

- (a) If a Customer of either Party or a customer of another carrier denies authorizing a change in his or her PLEC selection to a different LEC (“Unauthorized Switching”), Ameritech shall switch that customer back to the authorized PLEC in accordance with the terms of **Schedule 10.11.2**. However, in the case of unauthorized changes of Frontier Customers to Ameritech, Ameritech shall also have the duties enumerated on

Schedule 10.11.2 and will pay to Frontier the Unauthorized Switching charge described on **Schedule 10.11.2**.

- (b) If Ameritech reports or otherwise provides information on unauthorized PLEC changes to the FCC, the Commission or any other governmental entity, Ameritech agrees to report on Frontier unauthorized PLEC changes separately from unauthorized presubscribed interexchange carrier (“**PIC**”) changes.

X.11.3 When Ameritech receives an order for Resale Service from Frontier for Frontier's Customer, and Ameritech currently provides resale local exchange Telecommunications Services to another carrier (“**Carrier of Record**”) for the same Customer, Ameritech shall notify such Carrier of Record of such order in the same manner as described in **Section 10.11.1**. It shall then be the responsibility of the Carrier of Record and Frontier to resolve any issues related to that Customer. Frontier agrees to indemnify and hold Ameritech harmless against any and all Losses that may result from Ameritech acting under this **Section 10.11.3**.

X.11.4 When Ameritech is notified by Frontier that a Frontier Customer has changed its PIC from one IXC to another IXC, Ameritech shall provision the PIC-only change.

10.11.5 (a) From the Effective Date until thirty (30) Business Days after Frontier makes the election described in **subsection (b)**, when Ameritech is notified through the Customer Access Record Exchange (CARE) system that a Frontier Customer has changed its PIC from one IXC to another IXC, Ameritech shall provision the PIC-only change.

(b) At some future date, Ameritech will provide PLECs the option to have Ameritech reject all CARE-Initiated requests that Ameritech receives to change the PIC of a PLEC's customer. Ameritech will provide Frontier prior written notice of the availability of this option. Within ten (10) Business Days after Ameritech provides notice of the availability of this option to Frontier (the "**Election Period**"), Frontier shall notify Ameritech in writing whether it elects this option, which option shall then apply to all Frontier Resale Service orders received thirty (30) Business Days after Ameritech receives Frontier's written notice of election. If Frontier fails to make the election described in this **subsection (b)** within the Election Period, Ameritech shall provision CARE-Initiated PIC Changes under **subsection (a)**, and not under this **subsection (b)**.

X.12 Functionality Required To Support Resale Service.

X.12.1 **Directory Listing Requirements**. Ameritech shall make available to Frontier for Frontier Customers directory listings in accordance with the provisions of **Article XV**.

X.12.2 **LEC - Assigned Telephone Calling Card Numbers**. Effective as of the date of a Customer's subscription to Frontier's service, Ameritech will block the LEC-assigned telephone

line calling card number (including area code) (“**TLN**”) from the Line Information Database (“**LIDB**”).

X.12.3 9-1-1 Services. Ameritech shall provide to Frontier, for Frontier Customers, 9-1-1 call routing to the appropriate PSAP. Ameritech shall provide and validate Frontier Customer information to the PSAP. Ameritech shall use its service order process to update and maintain, on the same schedule that it uses for its retail Customers, the Frontier Customer service information in the ALI/DMS (Automatic Location Identification/Data Management System) used to support 9-1-1 services. Any 9-1-1 surcharges assessed by a municipality on Resale Services provided to Frontier Customers shall be included by Ameritech on Frontier's invoice and Frontier agrees to pay Ameritech all such surcharges. Ameritech shall then be responsible for submitting to the applicable municipalities all surcharges collected from Frontier.

X.12.4 Special Services. If Ameritech makes a notation on the Customer Service Records (CSR) of Customers who qualify for certain services available to physically challenged individuals (e.g., special discounts) (“**Special Services**”), Ameritech shall provide such data to Frontier on the CSR made available to Ameritech for its Customers. For usage by a Frontier Customer of a Telephone Relay Service, Ameritech will provide Frontier with all billing information furnished to Ameritech by the provider of the Telephone Relay Service.

X.12.5 Law Enforcement Interfaces. Interfaces with law enforcement agencies and other security matters shall be conducted as specified in **Schedule 10.12.5**.

X.13 Service Functions.

X.13.1 Point of Contact for Frontier Customer.

- (a) Primary Point of Contact. Except as otherwise provided in this Agreement, Frontier shall be the primary point of contact for all Frontier Customers.
- (b) Customer Contact Employee Training. Ameritech shall provide training for all of its employees who may communicate, either by telephone or face-to-face, with Frontier Customers to assure that the requirements of this Agreement are met. Furthermore, the same quality standards that Ameritech requires of its employees when contacting an Ameritech Customer (e.g., honesty, respect and courtesy) shall apply when its employees are in contact with Frontier Customers.
- (c) Requests for Service Changes. When Ameritech provides installation on behalf of Frontier, Ameritech's representatives shall instruct a Frontier Customer to contact Frontier if such Customer requests a service change at the time of installation.

X.13.2 Operations Support Systems Functions — Provisioning.

- (a) Provisioning EI for Pre-Ordering, Ordering and Provisioning. Ameritech shall provide, and Frontier shall use, the electronic interface described in Ameritech's Electronic Service Ordering Guide, Version 4.0 (the "**Provisioning EI**") for the transfer and receipt of data necessary to perform each of the pre-ordering, ordering and provisioning functions associated with Frontier's order of Resale Services. The Provisioning EI will be administered through a gateway that will serve as a single point of contact for the transmission of such data and will provide the functionality described in Schedule 10.13.2.
- (b) Non-Electronic Orders. On or before the Service Start Date, Frontier shall establish the Provisioning EI so that it may submit all orders for Resale Services to Ameritech through such Provisioning EI. If Frontier fails to establish the Provisioning EI so that it is unable to submit "live" orders through the Provisioning EI by the Service Start Date, the Parties agree that the terms and conditions set forth in the Resale Tariff (including any forecasting requirements associated therewith that are inconsistent with any requirements contained in this Agreement) shall apply to Frontier's submission of Non-Electronic Orders or, if no such terms or conditions are then set forth in the Resale Tariff or if the Resale Tariff is not then in effect, the following terms and conditions set forth in this Section 10.13.2(b) shall apply to such submission of Non-Electronic Orders.
 - (i) In addition to, and not in lieu of Section 19.5.2, not less than forty-five (45) days prior to the first Non-Electronic Order submitted by Frontier hereunder, and every calendar month thereafter, Frontier shall provide to Ameritech a three (3) month rolling forecast of the number of daily Non-Electronic Orders that Frontier shall submit to Ameritech Monday through Friday (excluding holidays on which the Service Center is closed) for a given calendar month (the "**Non-Electronic Forecast**"). The Non-Electronic Forecast shall be developed using standard commercial and industry practices and procedures, including daily demand data updated to reflect actual demand. The Non-Electronic Forecast shall be submitted to Ameritech in a standard format provided by Ameritech.
 - (ii) Frontier may submit to Ameritech Monday through Friday (excluding holidays on which the Service Center is closed) up to the number of Non-Electronic Orders forecasted for that given day. Each Non-

Electronic Order shall be submitted in a standard, legible typewritten format provided by Ameritech and shall be submitted to Ameritech through the use of a dedicated facsimile number to be identified in the Implementation Plan.

- (iii) Ameritech shall process Frontier's Non-Electronic Orders on a first-in, first-out basis with respect to all Non-Electronic Orders received by Ameritech; provided, that forecasted Non-Electronic Orders will receive first priority and any orders submitted that exceed the Non-Electronic Forecast for a given day will receive second priority.
- (iv) In addition to the non-recurring charges described in **Section 10.4**, each Non-Electronic Order submitted by Frontier to Ameritech shall be subject to a non-recurring charge of \$8.91 per Non-Electronic Order and any additional charges authorized by the Commission that compensate Ameritech for its costs in accordance with Section 252(d) of the Act to process such Non-Electronic Orders.
- (v) Frontier shall provide to Ameritech not less than ninety (90) days notice prior to Frontier's first order for "live" Resale Services through the Provisioning EI.
- (c) Pre-Ordering Functions. Frontier shall also use the Provisioning EI to access all of the other Operations Support Systems functions that are available through such Provisioning EI and which are described on **Schedule 10.13.2** and/or made available to Frontier after the Effective Date. Any request by Frontier to Ameritech for such other Operations Support Systems functions that are directed to the Service Center through a means other than the Provisioning EI shall be subject to additional non-recurring charges and restrictions.
- (d) Service Ordering and Provisioning. Service Orders will be placed by Frontier and provisioned by Ameritech in accordance with the procedures described in **Section 10.7**. Any Service Order activity resulting in PLEC changes will comply with the requirements of 47 C.F.R. § 64.1100 and **Section 10.11.1**.
- (e) Status Reports. After receipt and acceptance of a Service Order, Ameritech shall provide Frontier with service status notices on an exception basis.
- (f) Non-Interruption of Service. Except as specifically provided in this Agreement or pursuant to an order of a court or commission of competent

jurisdiction, Ameritech may not initiate any disconnect, suspension or termination of a Frontier Customer's Resale Service, unless directed to do so by Frontier by transmission of a Service Order or Ameritech's receipt of proper authorization to change such Customer's PLEC to a carrier other than Frontier.

X.13.3 Operations Support Systems Functions — Maintenance.

- (a) Electronic Interface for Maintenance and Repair. Ameritech will provide an electronic interface (the “Maintenance EI”) for the transfer and receipt of data necessary to perform the maintenance and repair functions (e.g., trouble receipt and trouble status). This interface will be administered through a gateway that will serve as a single point of contact for the transmission of such data.
- (b) Maintenance. Maintenance will be provided by Ameritech as set forth in the Implementation Plan and in accordance with the requirements set forth in **Sections 10.7** and **10.8** and **Schedule 10.13**.
- (c) Pre-Screening. Prior to referring troubles to Ameritech, Frontier shall complete the same prescreening guidelines with its customers that Ameritech utilizes with its customers; copies of which shall be provided by Ameritech to Frontier upon Frontier’s request.

X.14 Responsibilities of Frontier.

X.14.1 Each Party shall be responsible for providing to its Customers and to the other Party a telephone number or numbers that its Customers can use to contact the first Party in the event of a repair request. If a Customer contacts the Party that is not its local provider with regard to a repair request, such Party shall inform such Customer that they should call their local provider and may provide to the Customer such local provider’s contact number.

X.14.2 If Ameritech maintains an Emergency Telephone Number Service database, Frontier shall provide Ameritech with accurate and complete information regarding Frontier's Customers in a method reasonably prescribed by Ameritech to allow Ameritech to update such Emergency Telephone Number Service database.

X.14.3 Prior to the Service Start Date, Frontier shall have received and communicated to Ameritech its Carrier Identification Code, its Access Carrier Name Abbreviation or Interexchange Access Customer Code and Operating Company Number.

X.14.4 Notwithstanding anything to the contrary in this Agreement, Frontier is solely responsible for the payment of charges for all Resale Services furnished under this Agreement, including calls originated or accepted by Frontier and its Customers.

X.14.5 Frontier shall be responsible for certifying Customers and establishing on a per line basis Blocking of Caller ID for Resale Services in accordance with Applicable Law.

X.15 Responsibilities of Ameritech. Ameritech shall provide access to the following services where Ameritech is the underlying 9-1-1 service provider:

- (i) Universal Emergency Number service, a telephone exchange communication service which includes lines and equipment necessary for answering, transferring and dispatching public emergency telephone calls originated by persons within the telephone Central Office areas arranged for 9-1-1 calling.
- (ii) Basic 9-1-1 service (where available) provides for routing all 9-1-1 calls originated by Customers having telephone numbers beginning with a given Central Office prefix code or codes to a single PSAP equipped to receive those calls.
- (iii) Enhanced 9-1-1 (“**E9-1-1**”) service, which provides additional features to Basic 9-1-1 service, such as selective routing of 9-1-1 calls to a specific PSAP which is selected from the various PSAPs serving Customers within that Central Office area.

Both Frontier and its Customers purchasing Resale Service under this Agreement are not charged for calls to the 9-1-1 number, except as provided in any applicable tariff or pursuant to Applicable Law.

X.16 Exchange of Billing Information.

X.16.1 Ameritech shall provide Frontier a specific Daily Usage File (“**DUF**”) for Resale Services provided hereunder (“**Customer Usage Data**”). Such Customer Usage Data shall be recorded by Ameritech in accordance with the Ameritech Electronic Billing System (AEBS) and EMR. The DUF shall include (i) specific daily usage, including both Local Traffic and IntraLATA Toll Traffic, in EMR format (if and where applicable) for each Resale Service to the extent that it is provided to Ameritech's Customers on a usage sensitive basis and (ii) sufficient detail to enable Frontier to bill its Customers for Resale Services provided by Ameritech. Ameritech will provide to Frontier specifications in sufficient detail to enable Frontier to develop an interface to exchange Customer Usage Data with Ameritech. Procedures and processes for implementing the interface will be included in the Implementation Plan. Except as provided in **Section 10.16.4**, no other detailed billing shall be provided by Ameritech to Frontier.

X.16.2 Interexchange call detail on resold lines that is forwarded to Ameritech for billing, which would otherwise be processed by Ameritech for its retail Customers, will be returned to the IXC and will not be passed through to Frontier. 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 resold lines will be passed through when Ameritech records the message.

X.16.3 Frontier shall be responsible for providing all billing information to its Customers who purchase Resale Services from Frontier.

X.16.4 Ameritech shall bill Frontier for Resale Services provided by Ameritech to Frontier pursuant to the provisions of **Article XXVII**. Ameritech shall recognize Frontier as the Customer of Record for all Resale Services and will send all notices, bills and other pertinent information directly to Frontier. The bill will include sufficient data to enable Frontier to (i) bill all charges to its Customers that are not included as Customer Usage Data and (ii) reconcile the billed charges with the Customer Usage Data.

X.17 Use of Service.

X.17.1 Frontier, and not Ameritech, shall be responsible to ensure that its and its Customers' use of the Resale Services comply at all times with Applicable Law. Ameritech may refuse to furnish or may disconnect Resale Services of Frontier or, as appropriate, to Frontier's Customer, when:

- (a) An order is issued by a court of competent jurisdiction, the Commission or any other duly authorized agency, finding that probable cause exists to believe that the use made or to be made of a resale local exchange Telecommunications Service is prohibited by Applicable Law, or
- (b) Ameritech is notified in writing by a law enforcement agency acting within its jurisdiction that any facility furnished by Ameritech is being used or will be used for the purpose of transmitting or receiving gambling information in interstate or foreign commerce in violation of law.

The provisions described in this **Section 10.17.1** shall apply only to the specific affected Resale Services.

X.17.2 Termination of Resale Service shall take place after reasonable notice is provided to Frontier or as ordered by a court.

X.17.3 To the extent provided under the Telephone Consumer Protection Act (47 U.S.C. §227) and regulations thereunder, Frontier or Frontier's Customers shall not utilize Resale Services for the purpose of soliciting by recorded message when such solicitation occurs as a result of unrequested calls initiated by the solicitor by means of automatic dialing devices. Such devices, with storage capability of numbers to be called or a random or sequential number generator that produces numbers to be called and having the capability, working alone or in conjunction with other

equipment, of disseminating a prerecorded message to the number called and which are calling party or called party controlled, are expressly prohibited.

X.17.4 The Resale Services shall not be used in any manner that interferes with any other person in the use of such person's Telecommunications Service, prevents any person from using its Telecommunications Services, impairs the quality of Telecommunications Service to other carriers or to either Party's Customers, causes electrical hazards to either Party's personnel, damage to either Party's equipment or malfunction of either Party's billing equipment.

X.17.5 If Frontier's use of Resale Services interferes unreasonably with the Resale Services of other carriers or their customers or Ameritech or Frontier's Customers, Frontier shall be required to take Resale Services in sufficient quantity or of a different class or grade to correct such interference.

X.17.6 The determination as to whether any local exchange Telecommunications Service provided by Frontier to its Customer through Resale Services should be classified as a business service or residential service shall be based on the character of the use to be made of such service by Frontier's Customer.

ARTICLE XI NOTICE OF CHANGES -- SECTION 251(c)(5)

If a Party makes (i) a change in its network that will materially affect the interoperability of its network with the other Party or (ii) changes Operations Support Systems functions that affect the operations of the other Party, the Party making the change shall provide reasonable advance written notice of such change to the other Party within such time period as determined by the FCC or the Commission and their respective rules and regulations.

ARTICLE XII COLLOCATION -- SECTION 251(c)(6)

XII.1 Physical Collocation. Ameritech shall provide to Frontier Physical Collocation on its Premises for equipment necessary for Interconnection (pursuant to **Article III**) or for access to unbundled Network Elements (pursuant to **Article IX**), except that Ameritech will provide for Virtual Collocation of such equipment if Ameritech demonstrates to the Commission that Physical Collocation is not practical for technical reasons or because of space limitations, as provided in Section 251(c)(6) of the Act. Ameritech shall provide Frontier Collocation only for the purpose of Interconnection or access to Ameritech's unbundled Network Elements and for no other purpose other than as specifically provided by the Act, the Commission or the FCC.

XII.2 Virtual Collocation in Physical Collocation Space. Where Frontier is Virtually Collocated on the Effective Date in a space that was initially prepared for Physical Collocation, Frontier may elect to (i) retain its Virtual Collocation on that Premises and expand that Virtual Collocation according to current procedures and applicable tariffs or (ii) revert to Physical Collocation, in which case Frontier shall coordinate with Ameritech for rearrangement of its transmission equipment and facilities, for which Ameritech shall impose no conversion charge. All applicable Physical Collocation recurring charges shall apply.

XII.3 Virtual Collocation in Virtual Collocation Space. Where Frontier is Virtually Collocated in a space that was initially prepared for Virtual Collocation, Frontier may elect to (i) retain its Virtual Collocation in that space and expand that Virtual Collocation according to current procedures and the terms and conditions of this Agreement or (ii) unless it is not practical for technical reasons or because of space limitations, convert its Virtual Collocation to Physical Collocation at such Premises, in which case Frontier shall coordinate the construction and rearrangement with Ameritech of its transmission equipment and facilities for which Frontier shall pay Ameritech at the rates set forth at Item VII of the Pricing Schedule. In addition, all applicable Physical Collocation recurring charges shall apply.

XII.4 Nondiscriminatory Collocation. Collocation shall be made available to Frontier by Ameritech on a basis that is at parity to the priorities that Ameritech provides to itself, its subsidiaries, Affiliates or other persons. The quality of design, performance, features, functions and other characteristics of Collocation made available to Frontier under this Agreement shall be at parity to that which Ameritech provides in its network to itself, its subsidiaries, its Affiliates or other persons.

XII.5 Eligible Equipment. Frontier may Collocate equipment necessary for Interconnection, or access to Ameritech's Network Elements, including the following types of equipment:

- (a) OLTM equipment;
- (b) multiplexors;
- (c) Digital Cross-Connect Panels;
- (d) Optical Cross-Connect Panels;
- (e) Digital Loop Carrier (utilizing transmission capabilities only);
- (f) Data voice equipment;
- (g) Equipment for signal regeneration (“**hubbing equipment**”); and

- (h) any other transmission equipment collocated as of August 1, 1996 necessary to terminate basic transmission facilities pursuant to 47 C.F.R. §§ 64.1401 and 64.1402.

Frontier shall not Collocate switching equipment, equipment utilizing switching functionalities, or equipment used to provide enhanced services.

XII.6 Transmission Facility Options. For both Physical Collocation and Virtual Collocation, Frontier may either purchase unbundled transmission facilities (and any necessary Cross-Connection) from Ameritech or provide its own or third-party leased transmission facilities and terminate those transmission facilities in its equipment located in its Collocation space at Ameritech's Premises.

XII.7 Interconnection with other Collocated Carriers. Upon written request to Ameritech, Frontier shall be permitted to Interconnect its network with that of another collocating Telecommunications Carrier at Ameritech's Premises by connecting its Collocated equipment to the Collocated equipment of the other Telecommunications Carrier via a Cross- Connection or other connecting transmission facilities (“**Co-Carrier Cross Connect**”) so long as (i) Frontier and the other collocating Telecommunications Carrier's collocated equipment are to be used for Interconnection with Ameritech or for access to Ameritech's Network Elements, (ii) Frontier provides the connection between the equipment in the Collocated spaces via a Cross-Connection or other connecting transmission facility that, at a minimum, complies in all respects with Ameritech's technical and engineering requirements and (iii) the connecting transmission facilities of Frontier and the other collocating Telecommunications Carrier are contained wholly within space provided solely for Physical Collocation within Ameritech's Premises. In the event that such Co-Carrier Cross Connection is used to connect with the Virtual Collocation equipment of Frontier or another Telecommunications Carrier, Ameritech shall provide the Cross Connect at the rates set forth at Item VII of the Pricing Schedule. If Frontier Interconnects its network with another collocating Telecommunications Carrier pursuant to this **Section 12.7**, Frontier shall, in addition to its indemnity obligations set forth in **Article XXV**, indemnify Ameritech for any Loss arising from Frontier's installation, use, maintenance or removal of such connection with the other collocating Telecommunications Carrier, to the extent caused by the actions or inactions of Frontier.

XII.8 Interconnection Points and Cables.

Ameritech shall:

XII.8.1 provide Frontier an Interconnection point or points physically accessible by both Ameritech and Frontier, at which the fiber optic cable carrying Frontier's circuits can enter Ameritech's Premises; provided that Ameritech shall designate Interconnection Points as close as reasonably possible to Ameritech's Premises;

XII.8.2 provide at least two (2) such Interconnection points at Ameritech's Premises at which there are at least two (2) entry points for Frontier's cable facilities, and at which space is available for new facilities in at least two (2) of those entry points;

XII.8.3 permit Frontier Interconnection of copper or coaxial cable if such Interconnection is first approved by the Commission; and

XII.8.4 permit Frontier Physical Collocation of microwave transmission facilities, except where such Collocation is not practical for technical reasons or because of space limitations, in which case Ameritech shall provide Virtual Collocation of such facilities as required where technically feasible.

XII.9 Allocation of Collocation Space.

XII.9.1 Frontier may reserve Collocation space for its future use in Ameritech's Premises in accordance with the provisions of **Schedule 12.9.1**. Ameritech shall notify Frontier in writing if another Telecommunications Carrier requests Collocation space that is reserved by Frontier. Frontier shall within five (5) Business Days of receipt of such notice provide Ameritech either (i) written notice that Frontier relinquishes such space or (ii) enforce its reservation of space in accordance with the provisions of **Schedule 12.9.1**. Failure of Frontier to respond to Ameritech within the foregoing five (5) Business Day period shall be deemed an election by Frontier to relinquish such space.

XII.9.2 Ameritech shall not be required to lease or construct additional space in a Premises to provide Frontier Physical Collocation when existing space in such Premises has been exhausted.

XII.9.3 Frontier will provide Ameritech with a two (2)-year rolling forecast of its requirements for Collocation that will be reviewed jointly on a yearly basis by the Parties, in accordance with the planning processes described on **Schedule 12.9.3**. Ameritech will attempt to deliver Collocation pursuant to Frontier's forecasts to the extent that Collocation space is then available.

XII.10 Security Arrangements. Frontier shall adopt, at the request of Ameritech and at Frontier's sole cost and expense, reasonable security arrangements as designated by Ameritech to separate Frontier's Collocation space from Ameritech's facilities, including the construction of a collocation cage.

XII.11 Subcontractor and Vendor Approval. Ameritech shall permit Frontier to subcontract the construction and build-out of Physical Collocation arrangements. If Frontier is working on equipment and/or facilities within its Physical Collocation cage, Frontier may select a vendor/subcontractor of its choice to perform such work. However, if any type of work is to be

performed outside of Frontier's Physical Collocation cage, such work must be completed by an Ameritech-approved vendor and is subject to Ameritech's inspection upon completion of such work.

XII.12 Delivery of Collocated Space.

XII.12.1 Ameritech shall provide Frontier with a single point of contact for all inquiries regarding Collocation. Frontier shall request space for Collocation by delivering a Collocation Interconnection order form to Ameritech. Each order for Collocation shall include (i) the Premises in which Collocation is requested, (ii) the amount of space requested, (iii) the interoffice transmission facilities Frontier will require for such space, (iv) the equipment to be housed in such space, (v) Frontier's anticipated power requirements for the space, (vi) any extraordinary additions or modifications (i.e., security devices, node enclosures, HVAC, etc.) to the space or to the Premises to accommodate Frontier's collocated equipment, (vii) the specific level of diversity for fiber and power cabling to and from the Collocated space and (viii) the date on which Frontier intends to initiate service from such space. Ameritech shall notify Frontier in writing within ten (10) Business Days of receiving Frontier's request for Collocation as to whether the requested space is available. If space is not available for Physical Collocation, Ameritech shall specify in its notice to Frontier when space for Physical Collocation will be made available to Frontier and shall offer to Frontier Virtual Collocation Space in accordance with **Section 12.12.3**. If intraoffice facilities will not be available for Collocation within three (3) months of receipt of Frontier's payment of the Initial COBO fee for Physical Collocation, or twelve (12) weeks after receipt of Frontier's request for Virtual Collocation pursuant to **Section 12.12.1**, then Ameritech shall provide written notification, within ten (10) Business Days after the initial walkthrough, as to when the intraoffice facilities will be made available.

XII.12.2 Physical Collocation.

- (a) If space for Physical Collocation is immediately available at the time of Frontier's request, Ameritech shall include in its notice to Frontier (i) the space to be provided and (ii) whether Ameritech can deliver the space to Frontier by the date set forth in **Section 12.12.2(c)**.
- (b) If Frontier's requested Physical Collocation space is available, Ameritech and Frontier shall have an initial walkthrough of such space within ten (10) Business Days after Ameritech's receipt of Frontier's Initial COBO Payment. Ameritech shall, within ten (10) Business Days after such initial walkthrough, provide documentation submitted to and received from contractors for any work being done on behalf of Frontier that will be billed as extraordinary expenses.
- (c) Ameritech shall deliver to Frontier the requested space on or before the later of (i) one hundred twenty (120) days from Ameritech's receipt of Frontier's

request for Collocation, (ii) ninety (90) days from the receipt of Frontier's Initial COBO Payment (as provided on **Schedule 12.12**) and (iii) such other reasonable date that the Parties may agree upon if it is not feasible for Ameritech to deliver to Frontier such space within the foregoing intervals (such date of delivery referred to as the “**Delivery Date**”).

- (d) Physical Collocation space ordered by Frontier will be made available to Frontier by Ameritech as more fully described in **Section 1** of **Schedule 12.12**.
- (e) If Ameritech does not provide Frontier with its Collocated space by the Delivery Date and such delay is caused directly by Ameritech's actions or its failure to act (and not by a Frontier Delaying Event), Frontier shall receive a credit of 1/120th of its COBO payment for each day after the applicable Delivery Date that such Collocated space is not made available.
- (f) Ameritech may begin billing Frontier for recurring charges for the Collocated space on the date such space is made available to Frontier for occupancy (the “**Occupancy Date**”). Frontier shall vacate the Collocated space if either (i) Frontier fails to install within ninety (90) days of the Occupancy Date the equipment necessary for Interconnection and/or access to unbundled Network Elements to be housed in such space or (ii) Frontier fails to Interconnect to the Ameritech network within one hundred fifty (150) days of the Occupancy Date. If Frontier is required to vacate the space pursuant to this **Section 12.12.2(f)**, Frontier shall vacate such space within ninety (90) Business Days of the earliest to occur of the foregoing events. If, after vacating a space, Frontier still requires Collocation in that Premises, Frontier shall be required to submit a new request for Collocation pursuant to the provisions of **Section 12.12.1**.
- (g) Physical Collocation will be subject to the additional rules and regulations set forth in **Section 2.0** of **Schedule 12.12**, and Frontier shall pay all costs to provide such Collocation.
- (h) Ameritech shall provide positive confirmation to Frontier when construction of Frontier Collocation space is fifty percent (50%) completed. This confirmation shall also include confirmation of the scheduled completion date and Delivery Date. The Implementation Plan will include a process for determining when construction is fifty percent (50%) complete.
- (i) At Frontier's request Ameritech shall provide, within three (3) months after receiving Frontier's Initial COBO Payment, equipment node enclosures at a

height of eight (8) feet, without ceiling. Where Ameritech cannot feasibly provide Frontier with equipment node enclosures within such three (3) month period, Ameritech shall notify Frontier of this fact within ten (10) Business Days from the later of (i) the walkthrough and (ii) the receipt of Frontier's request. The Parties shall then negotiate a reasonable time frame.

- (j) After completion of construction, Frontier and Ameritech will complete an acceptance walkthrough of all Collocated space requested from Ameritech. Exceptions that are noted during this acceptance walkthrough shall be corrected by Ameritech within thirty (30) days after the walkthrough. Ameritech shall conduct a root cause analysis of all exceptions identified. The correction of these exceptions from Frontier's original request for Collocation shall be at Ameritech's expense, subject to any change orders requested by Frontier.

XII.12.3 Virtual Collocation.

- (a) If Frontier requests Virtual Collocation, or if requested Physical Collocation space is not available at a Premises and Frontier elects Virtual Collocation, and such Virtual Collocation is available at the time of Frontier's request, Ameritech shall include in its notice to Frontier described in **Section 12.12.1** (i) the space to be provided and (ii) whether Ameritech can deliver the space to Frontier by the date set forth in **Section 12.12.3(c)**.
- (b) Ameritech and Frontier will have an initial walkthrough of the Collocated space to be provided to Frontier for Virtual Collocation on the earlier of (i) ten (10) Business Days after Ameritech's verification of the Virtual Collocation space to be provided to Frontier and (ii) fourteen (14) days after Ameritech's receipt of Frontier's request for Virtual Collocation. Ameritech shall within ten (10) Business Days after such walkthrough provide Frontier with documentation submitted to and received from contractors for any work being done on behalf of Frontier that will be billed as extraordinary expenses.
- (c) Ameritech shall deliver to Frontier the requested space on or before the later of (i) twelve (12) weeks from Ameritech's receipt of Frontier's request for Virtual Collocation and (ii) such other reasonable date that the Parties may agree upon if it is not feasible for Ameritech to deliver to Frontier such space within twelve (12) weeks (such date of delivery referred to as the “**Delivery Date**”) and Ameritech notified Frontier of this fact within ten (10) Business Days after the initial walkthrough.

- (d) Virtual Collocation space ordered by Frontier will be made available to Frontier by Ameritech, as more fully described in **Section 3** of **Schedule 12.12**.
- (e) After completion of construction, Frontier and Ameritech will complete an acceptance walkthrough of all Collocation space requested from Ameritech. Exceptions that are noted during this acceptance walkthrough shall be corrected by Ameritech within thirty (30) days after the walkthrough. Ameritech shall conduct a root cause analysis of all exceptions identified. The correction of these exceptions from the original request for Collocation shall be at Ameritech's expense, subject to any change orders requested by Frontier.
- (f) Ameritech shall install Cross-Connects when cross-connecting for through connect purposes as directed by Frontier at the rates provided at Item VII of the Pricing Schedule.

XII.13 Pricing. The prices charged to Frontier for Collocation are set forth at Item VII of the Pricing Schedule.

XII.14 Billing. Ameritech shall bill Frontier for Collocation pursuant to the requirements of **Article XXVII** to this Agreement.

XII.15 Common Requirements. The requirements set forth on **Schedule 12.15** shall be applicable to both Physical and Virtual Collocation.

XII.16 Additional Requirements. The additional requirements set forth on **Schedule 12.16** shall be applicable to Physical Collocation.

XII.17 Protection of Service and Property.

Both Parties shall exercise reasonable care to prevent harm or damage to the other Party, its employees, agents or Customers, or their property. Both Parties, their employees, agents, and representatives agree to take reasonable and prudent steps to ensure the adequate protection of the other Party's property and services, including:

XII.17.1 Ameritech and Frontier shall restrict access to Frontier equipment, support equipment, systems, tools and data, or spaces which contain or house Frontier equipment enclosures, to Frontier employees and other authorized non-Frontier personnel to the extent necessary to perform their specific job function.

XII.17.2 Frontier shall comply at all times with security and safety procedures and existing requirements that are defined by Ameritech and communicated to Frontier.

XII.17.3 Ameritech shall allow Frontier periodically to inspect or observe spaces which house or contain Frontier equipment or equipment enclosures and furnish Frontier with keys, entry codes, lock combinations, and other materials or information which may be needed to gain entry into any secured Frontier space, subject to Section 12.17.2 and Article XX and, in the case of Virtual Collocation, payment by Frontier of the cost of Ameritech escorts.

XII.17.4 For Physical Collocation, Ameritech shall furnish to Frontier a current written list of Ameritech's employees who Ameritech authorizes to enter Frontier's Physical Collocation space.

XII.17.5 Ameritech shall, where practicable, secure external access to the Physical Collocation space on its Premises in the same or equivalent manner that Ameritech secures external access to spaces that house Ameritech's equipment.

XII.17.6 For Physical Collocation, Ameritech shall limit the keys used in its keying systems for Frontier's specific Physical Collocation space which contain or house Frontier equipment or equipment enclosures to its employees and representatives to emergency access only. Frontier shall further have the right, at its expense, to have locks changed where deemed necessary for the protection and security of such spaces, provided that Frontier shall immediately provide Ameritech with such new keys.

XII.17.7 Ameritech shall use its existing back-up and recovery plan in accordance with its standard policies for the specific Central Office.

ARTICLE XIII NUMBER PORTABILITY -- SECTION 251(b)(2).

XIII.1 Provision of Local Number Portability. Each Party shall provide to the other Party, Local Number Portability in accordance with the requirements of the Act. For purposes of this Article XIII, "Party A" means the carrier from which a telephone number is ported, and "Party B" means the carrier to which a telephone number is ported.

XIII.2 Interim Number Portability ("INP"). The Parties agree to provide INP on a reciprocal basis between their networks to enable their Customers to utilize telephone numbers associated with a Telephone Exchange Service provided by one Party, in conjunction with a Telephone Exchange Service provided by the other Party, upon the coordinated or simultaneous termination of the first Telephone Exchange Service and activation of the second Telephone Exchange Service. The Parties shall provide reciprocal INP via remote call forwarding ("**RCF**"),

Direct Inward Dialing (“**DID**”) or through NXX Migration; provided, in each case that the Customer whose telephone number is subject to INP remains within the same serving Central Office. To the extent technically feasible, Interim Number Portability will be provided by each Party with minimum impairment of functionality, quality, reliability and convenience to subscribers of the other Party's services.

XIII.3 Remote Call Forwarding (“RCF”).

XIII.3.1 Subject to **Section 13.2**, if a Telephone Exchange Service Customer of Party A elects to become a Telephone Exchange Service Customer of Party B, such Customer may elect to utilize the original telephone number(s) corresponding to the Telephone Exchange Service(s) it previously received from Party A, in conjunction with the Telephone Exchange Service(s) it shall now receive from Party B. Provided that Party B has complied with the requirements of **Section 10.11.1** and has issued an associated service order to Party A to assign the number to Party B, Party A shall implement an arrangement whereby all calls to the original telephone number(s) shall be forwarded on a multiple-path basis to a new telephone number(s) designated by Party B. Party A shall route the forwarded traffic to Party B over the appropriate trunks as if the call were a call which had originated on Party A's network.

XIII.3.2 Party B shall become the Customer of Record for the original Party A's telephone number(s), subject to the RCF or DID arrangements. Party A shall use its reasonable efforts to provide Party B with a consolidated billing statement for all collect and billed-to-3rd-number calls associated with those numbers, with sub-account detail by retained number. Such billing statement shall be delivered in a mutually agreed format. Party A shall provide to Party B the EMR containing detailed records associated with the calls reflected on the billing statement, as generated by the Ameritech Electronic Billing System (“**AEBS**”).

XIII.3.3 Party A may cancel line-based calling cards and shall, as directed by Party B, update its LIDB listings for retained numbers subject to RCF or DID. Ameritech will include billing number information associated with numbers used for INP arrangements in its LIDB and will store and administer such data in the same manner as Ameritech's data for its Customers. Ameritech shall provide responses to on-line queries to the stored information for the purpose of calling card validation, fraud control and billed numbers screening without charge.

XIII.3.4 If a Customer elects to move its Telephone Exchange Service back to Party A during the continuance of the RCF or DID arrangement, Party B shall notify Party A of the Customer's termination of service with Party B and the Customer's instructions regarding its telephone number(s) within two (2) Business Days of receiving notification from the Customer. Subject to procedures generally performed by Party A for potential new Customers (e.g., credit checks, receipts of deposit), Party A shall reinstate service to the Customer, cancel the RCF or DID arrangement, or redirect the RCF or DID arrangement pursuant to the Customer's instructions at that time.

XIII.3.5 For ported numbers using RCF, Frontier shall provide in the 9-1-1 information Frontier provides to Ameritech under this Agreement both the ported number and Frontier's RCF number if Frontier has provided such RCF number to Ameritech. Ameritech shall include such information, if provided by Frontier, in the PSAP database to the extent that the database is capable of storing both numbers.

XIII.4 Direct Inward Dialing. DID service provides trunk-side access to End Office Switches for direct inward dialing to the other Party's premises equipment from the telecommunications network to lines associated with the other Party's switching equipment and must be provided on all trunks in a group arranged for inward service. In addition, direct facilities are required from the End Office where a ported number resides to the End Office serving the ported Customer. Transport mileage will be calculated as the airline distance between the End Office where the number is ported and the Interconnection Central Office using the V&H coordinate method. INP-DID must be established with a minimum configuration of two (2) channels and one (1) unassigned telephone number per switch, per arrangement for control purposes. Transport facilities arranged for INP-DID may not be mixed with any other type of trunk group, with no outgoing calls placed over said facilities. INP-DID will be provided only where such facilities are available and where the switching equipment of the ordering Party is properly equipped. Where INP-DID service is required from more than one (1) Central Office or from separate trunk groups within the same Central Office, such service provided from each Central Office or each trunk group within the same Central Office shall be considered a separate service.

XIII.5 NXX Migration. Where a Party has activated an entire NXX for a single Customer, or activated a substantial portion of an NXX for a single Customer with the remaining numbers in that NXX either reserved for future use or otherwise unused, if such Customer chooses to receive service from the other Party, the first Party shall cooperate with the second Party to have the entire NXX reassigned (or subsequently reassigned, in the case of subsequent carrier changes) in the LERG (and associated industry databases, routing tables, etc.) to an End Office operated by the second Party. Such transfer will be accomplished with appropriate coordination between the Parties and subject to standard industry lead-times for movements of NXXs from one switch to another. In the interim period, prior to the effective date of LERG reassignment, the existing method of INP will be used.

XIII.6 Other Interim Number Portability Provisions.

XIII.6.1 Each Party shall disclose to the other Party, upon request, any technical or capacity limitations that would prevent use of a requested INP implementation in a particular switching office. Both Parties shall cooperate in the process of porting numbers to minimize Customer out-of-service time.

XIII.6.2 The Parties shall cooperate in conducting testing to ensure interconnectivity between systems and shall, at mutually agreeable times, perform tests to validate the operation of the network. Additional testing requirements may apply as specified by this Agreement.

XIII.6.3 Neither Party shall be required to provide Number Portability for nongeographic services (e.g., 500 and 900 NPAs, 976 NXX number services, coin telephone numbers and mass calling NXXs) under this Agreement.

XIII.6.4 Ameritech and Frontier will cooperate to ensure that performance of trunking and signaling capacity is engineered and managed at levels which are at parity with that provided by Ameritech to its Customers.

XIII.7 Compensation on Traffic to INP'ed Numbers. The Parties agree that, under INP, transport and terminating compensation on calls to INP'ed numbers should be received by each Customer's chosen LEC as if each call to the Customer had been originally addressed by the caller to a telephone number bearing an NPA-NXX directly assigned to the Customer's chosen LEC. In order to accomplish this objective where INP is employed, the Parties shall utilize the process set forth in this **Section 13.7**, whereby transport and terminating compensation on calls subject to INP will be passed from the Party (the **"Performing Party"**) which performs the INP to the other Party (the **"Receiving Party"**) for whose Customer the INP is provided.

XIII.7.1 The Parties shall individually and collectively track and quantify INP traffic between their networks based on the CPN of each call by identifying CPNs which are INP'ed numbers. The Receiving Party shall charge the Performing Party for each minute of INP traffic at the INP Traffic Rate specified in **Section 13.7.3** in lieu of any other compensation charges for terminating such traffic.

XIII.7.2 By the Interconnection Activation Date in each LATA, the Parties shall jointly estimate for the prospective year, based on historic data of all traffic in the LATA, the percentages of such traffic that, if dialed to telephone numbers bearing NPA-NXXs directly assigned to a Receiving Party (as opposed to the INP'ed number), would have been subject to (i) Reciprocal Compensation (**"Recip Traffic"**), (ii) intrastate FGD charges (**"Intra Traffic"**), or (iii) interstate FGD charges (**"Inter Traffic"**). On the date which is six (6) months after the Interconnection Activation Date, and thereafter on each succeeding six (6)-month anniversary of such Interconnection Activation Date, the Parties shall establish new INP traffic percentages to be applied in the prospective six (6)-month period, based on actual INP traffic percentages from the preceding six (6)-month period. The Parties may agree to adopt a different methodology to calculate INP traffic percentages, including identifying components different from or in addition to those set forth in this **Section 13.7.2**.

XIII.7.3 The INP Traffic Rate shall be equal to the sum of:

(Recip Traffic percentage times the Reciprocal Compensation Rate set forth at Item II of the Pricing Schedule) plus (Intra Traffic percentage times the Receiving Party's effective intrastate FGD rates) plus (Inter Traffic percentage times the Receiving Party's effective interstate FGD rates).

Interstate and intrastate FGD rates shall be calculated utilizing the effective interstate and intrastate carrier common line (CCL) rates, residual interconnection charge (RIC) rate elements, local switching (LS) rate elements, one-half the local transport termination (LTT) rate elements, and one-half the local transport facility (LTF) rate elements (assuming a five (5)-mile LTF).

XIII.8 Pricing For Interim Number Portability. Each Party shall comply with the methodology (including record keeping) established by the FCC or the Commission with respect to such Party's recovery in a competitively neutral manner of its costs to provide Interim Number Portability. To the extent permitted by the FCC or the Commission, such costs shall include a Party's costs to deliver calls between the other Party's Customers via Number Portability. Recovery of Interim Number Portability costs will be in a competitively neutral manner, as determined by the Commission. Until such time as the Commission establishes such methodology, the Parties shall track and quantify their costs to provide INP to the other Party.

XIII.9 Permanent Number Portability. The Parties shall migrate existing methods of providing INP to permanent Number Portability as soon as practically possible but no later than the date provided for by the FCC. Once permanent Number Portability is available in a given area, neither Party shall be required to provide INP in that area. The Parties shall provide permanent Number Portability on a reciprocal basis to each other in accordance with rules and regulations as from time to time prescribed by the FCC and/or the Commission.

ARTICLE XIV DIALING PARITY -- SECTIONS 251(b)(3) and 271(e)(2)(B)

The Parties shall provide Dialing Parity to each other as required under Section 251(b)(3) of the Act, except as may be limited by Section 271(e)(2)(B) of the Act. If Frontier requests access to Ameritech's name, address and telephone information of its customers for the provision of Directory Assistance service in conjunction with Telephone Exchange Service and Exchange Service provided by Frontier to customers in Ameritech's exchanges in competition with Ameritech, the Parties shall enter into a separate Dialing Parity Directory Listings Agreement to specify the rates, terms and conditions of such access.

ARTICLE XV DIRECTORY LISTINGS -- SECTION 251(b)(3)

XV.1 Directory Listings For Frontier Resale Customers. Ameritech shall cause the Publisher to include Primary Listings of Frontier's Customers served through Resale Services (“**Frontier Directory Customers**”) in Publisher’s White Pages Directories under the following terms and conditions:

XV.1.1 Publisher will publish the Primary Listing of Frontier Directory Customers located within the geographic scope of Publisher's directories and Publisher shall charge Frontier for such listing the same charge, if any, that Publisher charges Ameritech to publish Ameritech's retail Customers' listings.

XV.1.2 Listings of such Frontier Directory Customers will be interfiled with listings of customers of Ameritech and other LECs serving the same geographic area where such listings are included within a directory.

XV.1.3 Publisher shall provide Frontier with a copy of the Primary Listings prior to publication. Both Parties shall use their best efforts to ensure the accurate listing of such information.

XV.1.4 Ameritech or its Publisher must receive all Primary Listings of Frontier Directory Customers prior to the service order close date for the directory in which those listings are to appear. Ameritech or its Publisher will provide Frontier with appropriate service order close dates within thirty (30) days of this information becoming available.

XV.1.5 Publisher may include in other directories published by Publisher or its Affiliate, at no charge, Primary Listings of Frontier Directory Customers that are provided to Ameritech or its Publisher.

XV.1.6 Nothing in this Agreement shall restrict Ameritech's Publisher's authority as publisher of the directories from altering the geographic scope, directory life, headings, content or format of the directories. Publisher will provide information on such alterations to Frontier at the same time such information is provided to Ameritech.

XV.2 Listing and Listing Updates. Frontier will provide Frontier Directory Customer Listings and Listing Updates to Ameritech or its Publisher on a nonexclusive basis as follows:

XV.2.1 Frontier shall provide its Frontier Directory Customer Listings to Ameritech or its Publisher in a form and format acceptable to Publisher. Frontier acknowledges that Ameritech or its Publisher may impose a charge for changes to Frontier Directory Customer Listings previously provided by Frontier to Ameritech or its Publisher.

XV.2.2 Within one (1) Business Day of installation, disconnection or other change in service (including change of nonlisted or nonpublished status) affecting the directory assistance

database or the directory listing of a Frontier Directory Customer, Frontier shall provide Listing Updates to Ameritech or its Publisher in a form and format acceptable to Publisher. Listing Updates on Frontier Directory Customers are to be provided to Ameritech.

XV.2.3 Frontier will cooperate with Publisher to develop a cost-effective, mutually satisfactory, mechanized or electronic process for the provision of Frontier's Listing Updates to Publisher, which process shall be available for joint testing within six (6) months of the Service Start Date.

XV.2.4 Publisher or Ameritech may sell or license the use of Customer Listings, or Listing Updates to third persons without the prior written consent of Frontier; provided, however, that Publisher or Ameritech will not:

- (a) disclose nonlisted name and address information to any third person, except as may be necessary to undertake delivery of directories, or to perform other services contemplated under this Agreement;
- (b) disclose to any third person the identity of a Customer's or resale Customer's LEC;
- (c) sell or license such Customer listing information sorted by carrier; or
- (d) disclose listing information for individual cases where Frontier has notified Ameritech not to include listing for third party publication.

XV.2.5 Publisher shall provide initial and secondary delivery of appropriate White Page Directories to Frontier Directory Customers on the same basis as Publisher delivers White Pages Directories to Ameritech's retail Customers.

XV.3 Publisher may enter into a separate directory services agreement that provides for directory listings and delivery of directories to facilities-based Customers of Frontier.

**ARTICLE XVI
ACCESS TO POLES, DUCTS, CONDUITS AND
RIGHTS-OF-WAY -- SECTIONS 251(b)(4) AND 224 OF THE ACT
AND SECTION 361 OF THE
MICHIGAN TELECOMMUNICATIONS ACT (M.C.L. §484.3261)**

XVI.1 Structure Availability.

XVI.1.1 Ameritech shall make available, to the extent it may lawfully do so, access to poles, ducts, conduits and Rights-of-way along Ameritech's distribution network that are owned

or controlled by Ameritech (individually and collectively, “**Structure**”) for the placement of Frontier's wires, cables and related facilities (individually and collectively, “**Attachments**”). “**Rights-of-way**” means (i) a legal interest of Ameritech in property of others, such as an easement or license, suitable for use for communications distribution facilities or (ii) Ameritech's owned or leased property if such property is used for communications distribution facilities; provided, however, it does not generally include controlled environment vaults, remote equipment buildings, huts or enclosures, cross-connect cabinets, panels and boxes, equipment closets or enclosures in buildings, or any like or similar equipment enclosures or locations, or the ducts or conduit connecting any of the foregoing to manholes or conduit runs between manholes. The availability of Ameritech Structure for Frontier's Attachments is subject to and dependent upon all rights, privileges, franchises or authorities granted by governmental entities with jurisdiction, existing and future agreements with other persons not inconsistent with **Section 16.18**, all interests in property granted by persons or entities public or private, and Applicable Law, and all terms, conditions and limitations of any or all of the foregoing, by which Ameritech owns and controls Structure or interests therein.

XVI.1.2 Ameritech will not make Structure available: (1) where, after taking all reasonable steps to accommodate such request, there is Insufficient Capacity to accommodate the requested Attachment, and (2) an Attachment cannot be accommodated based upon nondiscriminatorily applied considerations of safety, reliability or engineering principles. For purposes of this **Article XVI, “Insufficient Capacity”** means 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. Before denying a request for access based upon Insufficient Capacity, Ameritech will, in good faith, explore potential accommodations with Frontier. If Ameritech denies a request by Frontier for access to its Structure for Insufficient Capacity, safety, reliability or engineering reasons, Ameritech will provide Frontier 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.

XVI.2 Franchises, Permits and Consents. Frontier shall be solely responsible to secure any necessary franchises, permits 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 Ameritech Structure it uses. Frontier shall indemnify Ameritech against loss directly resulting from any actual lack of Frontier's lawful authority to occupy such Rights-of-way and construct its Attachments therein.

XVI.3 Access and Modifications. Where necessary to accommodate a request for access of Frontier, and provided Ameritech has not denied access as described in **Section 16.1.2**, or because Ameritech may not lawfully make the Structure available, Ameritech will, as set forth below, modify its Structure in order to accommodate the Attachments of Frontier. Upon request, Ameritech may permit Frontier to conduct Field Survey Work and Make Ready Work itself or through Ameritech-approved contractors in circumstances where Ameritech is unable to complete such work in a reasonable time frame.

XVI.3.1 Before commencing the work necessary to provide such additional capacity, Ameritech will notify all other parties having Attachments on or in the Structure of the proposed modification to the Structure. Where possible, Ameritech shall include in a modification to accommodate Frontier's Attachment(s) those modifications required to accommodate other attaching parties, including Ameritech, that desire to modify their Attachments.

XVI.3.2 If Frontier requests access to an Ameritech Right-of-way where Ameritech has no existing Structure, Ameritech shall not be required to construct new poles, conduits or ducts, or to bury cable for Frontier but will be required to make the Right-of-way available to Frontier to construct its own poles, conduits or ducts or to bury its own cable; provided, however, if Ameritech desires to extend its own Attachments, Ameritech will construct Structure to accommodate Frontier's Attachments.

XVI.3.3 The costs of modifying a Structure to accommodate Frontier's request, an existing or prospective attaching party's request, or the needs of Ameritech, shall be borne by the party requesting such modification, except that if other parties obtain access to the Structure as a result of the modification, such parties shall share in the cost of such modification proportionately with the party initiating the modification. A party, including Ameritech, with a pre-existing Attachment to the Structure to be modified to accommodate Frontier shall be deemed to directly benefit from the modification if, after receiving notification of the modification, it adds to or modifies its Attachment. If a party, including Ameritech, uses the modification to bring its Structure or Attachments into compliance with applicable safety or other requirements, it shall be considered as sharing in the modification and shall share the costs of the modification attributable to its upgrade. Notwithstanding the foregoing, an attaching party, including Ameritech, 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 Frontier. If an attaching party, including Ameritech, makes an Attachment to the Structure after the completion of the modification, such party shall share proportionately in the cost of the modification if such modification rendered the added attachment possible.

XVI.3.4 All modifications to Ameritech's Structure will be owned by Ameritech. Frontier and other parties, including Ameritech, 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.

XVI.4 Installation and Maintenance Responsibility. Frontier 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 Ameritech or by other attaching parties. Work performed by Frontier on, in or about Ameritech's Structures shall be performed by properly trained, competent workmen skilled in the trade. Ameritech will specify the location on the Structure where Frontier's

Attachment shall be placed, which location shall be designated in a nondiscriminatory manner. Frontier shall construct each Attachment in conformance with the permit issued by Ameritech for such Attachment. Other than routine maintenance and service wire Attachments, Frontier shall not modify, supplement or rearrange any Attachment without first obtaining a permit therefor. Frontier shall provide Ameritech with notice before entering any Structure for construction or maintenance purposes.

XVI.5 Installation and Maintenance Standards. Frontier's Attachments shall be installed and maintained in accordance with the rules, requirements and specifications of the National Electrical Code, National Electrical Safety Code, Bellcore Construction Practices, 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.

XVI.6 Implementation Team. The Implementation Team shall develop cooperative procedures for implementing the terms of this **Article XVI** and to set out such procedures in the Implementation Plan.

XVI.7 Access Requests. Any request by Frontier for access to Ameritech's Structure shall be in writing and submitted to Ameritech's Structure Access Center. Ameritech may prescribe a reasonable process for orderly administration of such requests. Each Frontier's Attachment to Ameritech's Structure shall be pursuant to a permit issued by Ameritech for each request for access. The Structure Access Coordinator shall be responsible for processing requests for access to Ameritech's Structure, administration of the process of delivery of access to Ameritech's Structure and for all other matters relating to access to Ameritech's Structure. Frontier shall provide Ameritech with notice before entering any Ameritech Structure.

XVI.8 Unused Space. Except for maintenance ducts as provided in **Section 16.9** and ducts required to be reserved for use by municipalities, all useable but unused space on Structure owned or controlled by Ameritech shall be available for the Attachments of Frontier, Ameritech or other providers of Telecommunications Services, cable television systems and other persons that are permitted by Applicable Law to attach. Frontier may not reserve space on Ameritech Structure for its future needs. Ameritech shall not reserve space on Ameritech Structure for the future need of Ameritech nor permit any other person to reserve such space. Notwithstanding the foregoing, Frontier may provide Ameritech with a two (2)-year rolling forecast of its growth requirements for Structure that will be reviewed jointly on an annual basis.

XVI.9 Maintenance Ducts. One duct and one inner-duct in each conduit section shall be kept vacant as maintenance ducts. Maintenance ducts shall be made available to Frontier for maintenance purposes if it has a corresponding Attachment.

XVI.10 Applicability. The provisions of this Agreement shall apply to all Ameritech Structure now occupied by Frontier.

XVI.11 Other Arrangements. Frontier's use of Ameritech Structure is subject to any valid, lawful and nondiscriminatory arrangements Ameritech may now or hereafter have with others pertaining to the Structure.

XVI.12 Cost of Certain Modifications. If Ameritech 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. However, if such alteration is required solely due to Ameritech's negligence in originally installing the Structure, Ameritech shall be responsible for Frontier's expenses.

XVI.13 Maps and Records. Ameritech will provide Frontier, at Frontier's request and expense, with access to maps, records and additional information relating to its Structure within the time frames agreed upon by the Implementation Team; provided that Ameritech may redact any Proprietary Information (of Ameritech or third parties) contained or reflected in any such maps, records or additional information before providing access to such information to Frontier. Upon request, Ameritech will meet with Frontier to clarify matters relating to maps, records or additional information. Ameritech 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 Frontier and such materials may not be resold, licensed or distributed to any other person.

XVI.14 Occupancy Permit. Frontier occupancy of Structure shall be pursuant to a permit issued by Ameritech for each requested Attachment. Any such permit shall terminate (a) if Frontier's franchise, consent or other authorization from federal, state, county or municipal entities or private property owners is terminated, (b) if Frontier has not placed and put into service its Attachments within one hundred eighty (180) days from the date Ameritech has notified Frontier that such Structure is available for Frontier's Attachments, (c) if Frontier ceases to use such Attachment for any period of one hundred eighty (180) consecutive days, (d) if Frontier fails to comply with a material term or condition of this **Article XVI** and does not correct such noncompliance within sixty (60) days after receipt of notice thereof from Ameritech or (e) if Ameritech ceases to have the right or authority to maintain its Structure, or any part thereof, to which Frontier has Attachments. If Ameritech ceases to have the right or authority to maintain its Structure, or any part thereof, to which Frontier has Attachments, Ameritech shall (i) provide Frontier notice within ten (10) Business Days after Ameritech has knowledge of such fact and (ii) not require Frontier to remove its Attachments from such Structure prior to Ameritech's removal of its own attachments. Ameritech will provide Frontier with at least sixty (60) days' written notice prior to (x) terminating a permit for an Attachment, terminating service to a Frontier Attachment, or removal of an Attachment, in each case for a breach of the provisions of this **Article XVI**, (y) any increase in the rates for Attachments to Ameritech's Structure permitted by the terms of this Agreement, or (z) any modification to Ameritech's Structure to which Frontier has an Attachment, other than a modification associated with routine maintenance or as a result of an emergency. If Frontier surrenders its permit for any reason (including forfeiture under the terms of this

Agreement), but fails to remove its Attachments from the Structure within one hundred eighty (180) days after the event requiring Frontier to so surrender such permit, Ameritech shall remove Frontier's Attachments at Frontier's expense. To the extent that Frontier places an Attachment on Ameritech's Structure without a valid permit, Frontier shall notify Ameritech immediately of the existence of such Attachment and pay to Ameritech within ten (10) Business Days after the completion of such Attachment an unauthorized Attachment fee equal to five (5) times the annual attachment fee for such unauthorized Attachment.

XVI.15 Inspections. Ameritech may make periodic inspections of any part of the Attachments of Frontier located on Ameritech Structure. Frontier shall reimburse Ameritech for the costs (as defined in Section 252(d) of the Act) of such inspections. Where reasonably practicable to do so, Ameritech shall provide prior written notice to Frontier of such inspections.

XVI.16 Damage to Attachments. Both Frontier and Ameritech will exercise precautions to avoid damaging the Attachments of the other or to any Ameritech Structure to which Frontier obtains access hereunder. Subject to the limitations in **Article XXVI**, the Party damaging the Attachments of the other shall be responsible to the other therefor.

XVI.17 Charges. Ameritech'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 Act and in compliance with Section 361 of the Michigan Telecommunications Act (M.C.L. §484.2361) and applicable Commission rules, regulations and orders thereunder. Prior to the establishment of such rates, the initial charges applicable to Structure hereunder shall be as set forth at Item VIII of the Pricing Schedule. Ameritech reserves the right to adjust the charges for Structure provided hereunder consistent with the foregoing. Notwithstanding the foregoing, Ameritech reserves the right to price on a case-by-case basis any extraordinary Attachment to Structure. An "extraordinary Attachment" is any Attachment to Structure that is not typical of Attachments commonly made to Structure and that impacts the usability of the Structure in excess of a typical Attachment or that presents greater than typical engineering, reliability or safety concerns to other attaching parties or users of the Structure. A deposit shall be required from Frontier for map preparation, field surveys and Make-Ready Work.

XVI.18 Nondiscrimination. Except as otherwise permitted by Applicable Law, access to Ameritech-owned or -controlled Structure under this **Article XVI** shall be provided to Frontier on a basis that is nondiscriminatory to that which Ameritech provides its Structure to itself, its Affiliates, Customers, or any other person.

XVI.19 Interconnection.

XVI.19.1 Upon request by Frontier, Ameritech will permit the interconnection of ducts or conduits owned by Frontier in Ameritech manholes. However, such interconnection in

Ameritech manholes will not be permitted where modification of Ameritech's Structure to accommodate Frontier's request for interconnection is possible.

XVI.19.2 Except where required herein, requests by Frontier for interconnection of Frontier's Attachments in or on Ameritech Structure with the Attachments of other attaching parties in or on Ameritech Structure will be considered on a case-by-case basis and permitted or denied based on the applicable standards set forth in this **Article XVI** for reasons of Insufficient Capacity, safety, reliability and engineering. Ameritech will provide a written response to Frontier's request within forty-five (45) days of Ameritech's receipt of such request.

XVI.19.3 Frontier shall be responsible for the costs to accommodate any interconnection pursuant to this **Section 16.19**.

XVI.20 Cost Imputation. Ameritech will impute costs consistent with the rules under Section 224(g) of the Act.

XVI.21 Structure Access Center. Requests for access to Ameritech Structure shall be made through Ameritech's Structure Access Center, which shall be Frontier's single point of contact for all matters relating to Frontier's access to Ameritech's Structure. The Structure Access Center shall be responsible for processing requests for access to Ameritech's Structure, administration of the process of delivery of access to Ameritech's Structure and for all other matters relating to access to Ameritech's Structure.

XVI.22 State Regulation. The terms and conditions in this **Article XVI** shall be modified through negotiation between the Parties to comply with the regulations of the state in which Ameritech owns or controls Structure to which Frontier seeks access if such state meets the requirements of Section 224(c) of the Act for regulating rates, terms and conditions for pole attachments and so certifies to the FCC under Section 224(c) of the Act and the applicable FCC rules pertaining thereto. Until the terms and conditions of this **Article XVI** are renegotiated, the rules, regulations and orders of such state so certifying shall supersede any provision herein inconsistent therewith. The terms and conditions of this **Article XVI** shall also be modified by negotiation between the Parties to comply with any applicable requirements regarding the application of state law set forth in applicable Commission rules, regulations and orders and the Michigan Telecommunications Act.

XVI.23 Abandonments, Sales or Dispositions. Ameritech shall notify Frontier 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, Ameritech shall condition the sale or other disposition to include and incorporate the rights granted to Frontier hereunder.

ARTICLE XVII
REFERRAL ANNOUNCEMENT

When a Customer changes its service provider from Ameritech to Frontier, or from Frontier to Ameritech, and does not retain its original telephone number, the Party formerly providing service to such Customer shall provide a referral announcement (“**Referral Announcement**”) on the abandoned telephone number which provides details on the Customer's new number. Referral Announcements shall be provided reciprocally, free of charge to both the other Party and the Customer, the period specified in Michigan Administrative Rule 484.134. However, if either Party provides Referral Announcements for a period different (either shorter or longer) than the above period when its Customers change their telephone numbers, such Party shall provide the same level of service to Customers of the other Party.

ARTICLE XVIII
IMPLEMENTATION TEAM AND IMPLEMENTATION PLAN

XVIII.1 Implementation Team. The Parties understand that the arrangements and provision of services described in this Agreement shall require technical and operational coordination between the Parties. The Parties further agree that it is not feasible for this Agreement to set forth each of the applicable and necessary procedures, guidelines, specifications and standards that will promote the Parties' provision of Telecommunications Services to their respective Customers. Accordingly, the Parties agree to form a team (the “**Implementation Team**”) which shall develop and identify those processes, guidelines, specifications, standards and additional terms and conditions necessary for the provision of the services and the specific implementation of each Party's obligations hereunder. Within five (5) days after the Effective Date, each Party shall designate, in writing, its representative on the Implementation Team; provided that either Party may include in meetings or activities such technical specialists or other individuals as may be reasonably required to address a specific task, matter or subject. Each Party may replace its representative on the Implementation Team by delivering written notice thereof to the other Party.

XVIII.2 Interconnection Maintenance and Administration Plan. Within ninety (90) days after the Effective Date, or, as agreed upon by the Parties, by the date which is not less than sixty (60) days prior to the first Interconnection Activation Date hereunder, Frontier and Ameritech shall have jointly developed a plan (the “**Plan**”) which shall define and detail:

- (a) standards to ensure that the Interconnection trunk groups provided for herein experience a grade of service, availability and quality in accordance with all appropriate relevant industry-accepted quality, reliability and availability standards and in accordance with the levels identified in **Section 3.6**;

- (b) the respective duties and responsibilities of the Parties with respect to the administration and maintenance of the Interconnections (including signaling) specified in **Article III** and the trunk groups specified in **Articles IV** and **V**, including standards and procedures for notification and discoveries of trunk disconnects;
- (c) disaster recovery and escalation provisions; and
- (d) such other matters as the Parties may agree.

XVIII.3 Implementation Plan. Within ninety (90) days after the Approval Date, or such other date as agreed upon by the Parties, the Implementation Team shall reach agreements on items to be included in an operations manual (the “**Implementation Plan**”), which shall include (i) processes and procedures to implement the terms and conditions set forth herein, (ii) documentation of the various items described in this Agreement which are to be included in the Implementation Plan, including the following matters, and (iii) any other matters agreed upon by the Implementation Team:

- (1) A Plan as provided in **Section 18.2**;
- (2) Access to all necessary OSS functions, including interfaces and gateways;
- (3) Escalation procedures for provisioning and maintenance;
- (4) Single points of contact for provisioning and maintenance;
- (5) Service ordering and provisioning procedures, including provision of the trunks and facilities;
- (6) Provisioning and maintenance support;
- (7) Procedures and processes for Directories and Directory Listings;
- (8) Service referral procedures;
- (9) Training and the charges associated therewith;
- (10) Billing;
- (11) Network planning components, including system architecture, planning SONET equipment configuration, fiber hand-off, test and acceptance of SONET ring, trunking, signaling, and augment process; and

- (12) Guidelines for administering access to Rights-of-way, poles and conduits of Ameritech.

XVIII.4 Action of Implementation Team. The Implementation Plan may be amended from time to time by the Implementation Team as the team deems appropriate. Unanimous written consent of the permanent members of the Implementation Team shall be required for any action of the Implementation Team. If the Implementation Team is unable to act, the existing provisions of the Implementation Plan shall remain in full force and effect.

XVIII.5 Further Coordination and Performance. Except as otherwise agreed upon by the Parties, on a mutually agreed-upon day and time once a month during the Term, the Implementation Team shall discuss the performance of the Parties under this Agreement. At each such monthly meeting the Parties will discuss: (i) the administration and maintenance of the Interconnections and trunk groups provisioned under this Agreement; (ii) the Parties' provisioning of the services provided under this Agreement; (iii) the Parties' compliance with the Performance Benchmarks set forth in this Agreement and any areas in which such performance may be improved; (iv) any problems that were encountered during the preceding month or anticipated in the upcoming month; (v) the reason underlying any such problem and the effect, if any, that such problem had, has or may have on the performance of the Parties; and (vi) the specific steps taken or proposed to be taken to remedy such problem. In addition to the foregoing, the Parties through their representative on the Implementation Team or such other appropriate representatives will meet to discuss any matters that relate to the performance of this Agreement, as may be requested from time to time by either of the Parties.

XVIII.6 Operational Review. Representatives of Frontier and Ameritech will meet on a quarterly basis, beginning with the end of the first complete quarter following the date on which the Parties first provision services under this Agreement, to determine that the service cycle of pre-ordering, ordering, provisioning, maintenance and billing categories are addressed, including the following:

- (a) Interfaces and processes are operational and, consistent with the forecast provided under **Section 19.5.2**, the orders of Frontier Customers for Resale Services are successfully completed;
- (b) When applicable, interfaces and processes are operational and, consistent with the forecast provided under **Section 19.5.2**, the orders for unbundled Loops are successfully completed;
- (c) Review of all agreed-upon performance standards; and

- (d) Frontier's use of all functions available from the Provisioning EI and Maintenance EI.

ARTICLE XIX GENERAL RESPONSIBILITIES OF THE PARTIES

XIX.1 Compliance with Implementation Schedule. Each of Ameritech and Frontier shall use its best efforts to comply with the Implementation Schedule set forth on **Schedule 2.1**.

XIX.2 Compliance with Applicable Law. Each Party shall comply at its own expense with all applicable federal, state, and local statutes, laws, rules, regulations, codes, final and nonappealable orders, decisions, injunctions, judgments, awards and decrees (collectively, "**Applicable Law**") that relate to its obligations under this Agreement. Nothing in this Agreement shall be construed as requiring or permitting either Party to contravene any mandatory requirement of Applicable Law.

XIX.3 Necessary Approvals. Each Party shall be responsible for obtaining and keeping in effect all approvals from, and rights granted by, governmental authorities, building and property owners, other carriers, and any other persons that may be required in connection with the performance of its obligations under this Agreement. Each Party shall reasonably cooperate with the other Party in obtaining and maintaining any required approvals and rights for which such Party is responsible.

XIX.4 Environmental Hazards. 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 (i) included within the definition of hazardous substance, hazardous waste, hazardous material, toxic substance, solid waste or pollutant or contaminant under any Applicable Law and (ii) listed by any governmental agency as a hazardous substance.

XIX.5 Forecasting Requirements.

XIX.5.1 The Parties shall exchange technical descriptions and forecasts of their Interconnection and traffic requirements in sufficient detail necessary to establish the Interconnections required to assure traffic completion to and from all Customers in their respective designated service areas.

XIX.5.2 Thirty (30) days after the Effective Date and each month during the term of this Agreement, each Party shall provide the other Party with a rolling, six (6) calendar-month, nonbinding forecast of its traffic and volume requirements for the Interconnection, unbundled Network Elements and Resale Services (notwithstanding that Frontier may also be submitting

binding forecasts pursuant to Section 10.13.2(b) to be provided under this Agreement, in the form and in such detail as requested by Ameritech. If a Party becomes aware of any information or fact that may render its previously submitted forecast inaccurate by more than five percent (5%), such Party agrees to immediately notify the other Party of such fact or information and provide to such other Party a revised forecast that reflects such new fact or information and cures any inaccuracy in the previously submitted forecast within the earlier of (i) five (5) calendar days after such Party becomes aware of such information or fact and (ii) ten (10) Business Days before such Party submits any order to the other Party as a result of such new information or fact. In addition, each Party agrees to cooperate with the other Party to ensure that any orders that are submitted as a result of any new information or fact are submitted and processed consistent with the terms and conditions of this Agreement. Notwithstanding Section 20.1.1, the Parties agree that each forecast provided under this Section 19.5.2 shall be deemed “**Proprietary Information**” under Article XX.

XIX.5.3 In addition to, and not in lieu of, the nonbinding forecasts required by Section 19.5.2, a Party that is required pursuant to this Agreement to provide a forecast (the “**Forecast Provider**”) or a Party that is entitled pursuant to this Agreement to receive a forecast (the “**Forecast Recipient**”) with respect to traffic and volume requirements for the services and Network Elements provided under this Agreement may request that the other Party enter into negotiations to establish a forecast (a “**Binding Forecast**”) that commits such Forecast Provider to purchase, and such Forecast Recipient to provide, a specified volume to be utilized as set forth in such Binding Forecast. The Forecast Provider and Forecast Recipient shall negotiate the terms of such Binding Forecast in good faith and shall include in such Binding Forecast provisions regarding price, quantity, liability for failure to perform under a Binding Forecast and any other terms desired by such Forecast Provider and Forecast Recipient. Notwithstanding Section 20.1.1, the Parties agree that each forecast provided under this Section 19.5.3 shall be deemed “**Proprietary Information**” under Article XX.

XIX.6 Certain Network Facilities. Each Party is individually responsible to provide facilities within its network which are necessary for routing, transporting, measuring, and billing traffic from the other Party's network and for delivering such traffic to the other Party's network using industry standard format and to terminate the traffic it receives in that standard format to the proper address on its network. Such facility shall be designed based upon the description and forecasts provided under Sections 19.5.1, 19.5.2 and, if applicable, 19.5.3. The Parties are each solely responsible for participation in and compliance with national network plans, including The National Network Security Plan and The Emergency Preparedness Plan.

XIX.7 Traffic Management and Network Harm.

XIX.7.1 Each Party may use protective network traffic management controls, such as 7-digit and 10-digit code gaps on traffic toward the other Party's network, when required to protect the public-switched network from congestion due to facility failures, switch congestion or failure or focused overload. Each Party shall immediately notify the other Party of any protective control action planned or executed.

XIX.7.2 Where the capability exists, originating or terminating traffic reroutes may be implemented by either Party to temporarily relieve network congestion due to facility failures or abnormal calling patterns. Reroutes shall not be used to circumvent normal trunk servicing. Expansive controls shall be used only when mutually agreed to by the Parties.

XIX.7.3 The Parties 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.

XIX.7.4 Neither Party shall use any product or service provided under this Agreement or any other service related thereto or used in combination therewith in any manner that interferes with any person in the use of such person's Telecommunications Service, prevents any person from using its Telecommunications Service, impairs the quality of Telecommunications Service to other carriers or to either Party's Customers, causes electrical hazards to either Party's personnel, damage to either Party's equipment or malfunction of either Party's billing equipment.

XIX.8 Insurance. At all times during the term of this Agreement, each Party shall keep and maintain in force at such Party's expense all insurance required by Applicable Law, general liability insurance in the amount of at least \$10,000,000 and worker's compensation insurance. Upon request from the other Party, each Party shall provide to the other Party evidence of such insurance (which may be provided through a program of self-insurance).

XIX.9 Labor Relations. Each Party shall be responsible for labor relations with its own employees. Each Party agrees to notify the other Party as soon as practicable whenever such Party has knowledge that a labor dispute concerning its employees is delaying or threatens to delay such Party's timely performance of its obligations under this Agreement and shall endeavor to minimize impairment of service to the other Party (by using its management personnel to perform work or by other means) in the event of a labor dispute to the extent permitted by Applicable Law.

XIX.10 Good Faith Performance. Each Party shall act in good faith in its performance under this Agreement and, in each case in which a Party's consent or agreement is required or requested hereunder, such Party shall not unreasonably withhold or delay such consent or agreement, as the case may be.

XIX.11 Responsibility to Customers. Each Party is solely responsible to its Customers for the services it provides to such Customers.

XIX.12 Unnecessary Facilities. No Party shall construct facilities which require another Party to build unnecessary trunks, facilities or services.

XIX.13 Cooperation. The Parties shall work cooperatively to minimize fraud associated with third-number billed calls, calling card calls, and any other services related to this Agreement.

XIX.14 NXX Code Administration. Each Party is responsible for administering NXX codes assigned to it.

XIX.15 LERG Listings. Each Party is responsible for obtaining Local Exchange Routing Guide (“LERG”) listings of CLLI codes assigned to its switches.

XIX.16 LERG Use. Each Party shall use the LERG published by Bellcore or its successor for obtaining routing information and shall provide all required information to Bellcore for maintaining the LERG in a timely manner.

XIX.17 Switch Programming. Each Party shall program and update its own Central Office Switches and End Office Switches and network systems to recognize and route traffic to and from the other Party's assigned NXX codes. Except as mutually agreed or as otherwise expressly defined in this Agreement, neither Party shall impose any fees or charges on the other Party for such activities.

XIX.18 Transport Facilities. Each Party is responsible for obtaining transport facilities sufficient to handle traffic between its network and the other Party's network. Each Party may provide the facilities itself, order them through a third party, or order them from the other Party.

ARTICLE XX
PROPRIETARY INFORMATION

XX.1 Definition of Proprietary Information.

XX.1.1 **“Proprietary Information”** means:

- (a) all proprietary or confidential information of a Party (a **“Disclosing Party”**) including specifications, drawings, sketches, business information, forecasts, records (including each Party's records regarding Performance Benchmarks), Customer Proprietary Network Information, Customer Usage Data, audit information, models, samples, data, system interfaces, computer programs and other software and documentation that is furnished or made available or otherwise disclosed to the other Party or any of such other Party's Affiliates (individually and collectively, a **“Receiving Party”**) pursuant to this Agreement and, if written, is marked “Confidential” or “Proprietary” or by other similar notice or if oral or visual, is either identified as “Confidential” or “Proprietary” at the time of disclosure or is summarized in a writing so identified and delivered to the Receiving Party within ten (10) days of such disclosure; and
- (b) any portion of any notes, analyses, data, compilations, studies, interpretations or other documents prepared by any Receiving Party to the extent the same contain, reflect, are derived from, or are based upon, any of the information described in subsection (a) above, unless such information contained or reflected in such notes, analyses, etc. is so commingled with the Receiving Party's information that disclosure could not possibly disclose the underlying proprietary or confidential information (such portions of such notes, analyses, etc. referred to herein as **“Derivative Information”**).

XX.1.2 The Disclosing Party will use its reasonable efforts to follow its customary practices regarding the marking of tangible Proprietary Information as “confidential,” “proprietary,” or other similar designation. The Parties agree that the designation in writing by the Disclosing Party that information is confidential or proprietary shall create a presumption that such information is confidential or proprietary to the extent such designation is reasonable.

XX.1.3 Notwithstanding the requirements of this Article XX, all information relating to the Customers of a Party, including information that would constitute Customer Proprietary Network Information of a Party pursuant to the Act and FCC rules and regulations, and Customer Usage Data, whether disclosed by one Party to the other Party or otherwise acquired by a Party in the course of the performance of this Agreement, shall be deemed **“Proprietary Information.”**

XX.2 Disclosure and Use.

XX.2.1 Each Receiving Party agrees that from and after the Effective Date:

- (a) all Proprietary Information communicated, whether before, on or after the Effective Date, to it or any of its contractors, consultants or agents (“**Representatives**”) in connection with this Agreement shall be held in confidence to the same extent as such Receiving Party holds its own confidential information; provided that such Receiving Party or Representative shall not use less than a reasonable standard of care in maintaining the confidentiality of such information;
- (b) it will not, and it will not permit any of its employees, Affiliates or Representatives to disclose such Proprietary Information to any third person;
- (c) it will disclose Proprietary Information only to those of its employees, Affiliates and Representatives who have a need for it in connection with the use or provision of services required to fulfill this Agreement; and
- (d) it will, and will cause each of its employees, Affiliates and Representatives to use such Proprietary Information only to perform its obligations under this Agreement or to use services provided by the Disclosing Party hereunder and for no other purpose, including its own marketing purposes.

XX.2.2A Receiving Party may disclose Proprietary Information of a Disclosing Party to its Representatives who need to know such information to perform their obligations under this Agreement; provided that before disclosing any Proprietary Information to any Representative, such Party shall notify such Representative of such person's obligation to comply with this Agreement. Any Receiving Party so disclosing Proprietary Information shall be responsible for any breach of this Agreement by any of its Representatives and such Receiving Party agrees, at its sole expense, to use its reasonable efforts (including court proceedings) to restrain its Representatives from any prohibited or unauthorized disclosure or use of the Proprietary Information. Each Receiving Party making such disclosure shall notify the Disclosing Party as soon as possible if it has knowledge of a breach of this Agreement in any material respect. A Disclosing Party shall not disclose Proprietary Information directly to a Representative of the Receiving Party without the prior written authorization of the Receiving Party.

XX.2.3 Proprietary Information shall not be reproduced by any Receiving Party in any form except to the extent (i) necessary to comply with the provisions of **Section 20.3** and (ii) reasonably necessary to perform its obligations under this Agreement. All such reproductions shall bear the same copyright and proprietary rights notices as are contained in or on the original.

XX.2.4 This **Section 20.2** shall not apply to any Proprietary Information which the Receiving Party can establish to have:

- (a) been disclosed by the Receiving Party with the Disclosing Party's prior written consent;
- (b) become generally available to the public other than as a result of disclosure by a Receiving Party;
- (c) been independently developed by a Receiving Party by an individual who has not had knowledge of or direct or indirect access to such Proprietary Information;
- (d) been rightfully obtained by the Receiving Party from a third person without knowledge that such third person is obligated to protect its confidentiality; provided that such Receiving Party has exercised commercially reasonable efforts to determine whether such third person has any such obligation; or
- (e) been obligated to be produced or disclosed by Applicable Law; provided that such production or disclosure shall have been made in accordance with **Section 20.3**.

XX.3 Government Disclosure.

XX.3.1 If a Receiving Party desires to disclose or provide to the Commission, the FCC or any other governmental authority any Proprietary 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 Proprietary Information to be disclosed and (ii) attempt to obtain in accordance with the applicable procedures of the intended recipient of such Proprietary Information an order, appropriate protective relief or other reliable assurance that confidential treatment shall be accorded to such Proprietary Information.

XX.3.2 If a Receiving Party is required by any governmental authority or by Applicable Law to disclose any Proprietary Information, then such Receiving Party shall provide the Disclosing Party with written notice of such requirement as soon as possible and prior to such disclosure. Upon receipt of written notice of the requirement to disclose Proprietary 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 20.3** with respect to all or part of such requirement.

XX.3.3 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 20.3**. In the absence of such relief, if the Receiving Party is legally compelled to disclose any Proprietary Information, then the Receiving Party shall exercise all commercially reasonable efforts to preserve the confidentiality of the Proprietary Information, including cooperating with the Disclosing Party to obtain an appropriate order or other reliable assurance that confidential treatment will be accorded the Proprietary Information.

XX.4 Ownership.

XX.4.1 All Proprietary Information, other than Derivative Information, shall remain the property of the Disclosing Party, and all documents or other tangible media delivered to the Receiving Party that embody such Proprietary 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 Proprietary 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.

XX.4.2 At the request of the Disclosing Party, any Derivative Information shall be, at the option of the Receiving Party, either promptly returned to the 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 Derivative 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.

XX.4.3 The Receiving Party may at any time either return the Proprietary Information to the Disclosing Party or destroy such Proprietary Information. If the Receiving Party elects to destroy Proprietary Information, all copies of such information shall be destroyed and upon the written request of the Disclosing Party, the Receiving Party shall provide to the Disclosing Party written certification of such destruction. The destruction or return of Proprietary Information shall not relieve any Receiving Party of its obligation to treat such Proprietary Information in the manner required by this Agreement.

ARTICLE XXI TERM AND TERMINATION

XXI.1 Term. The initial term of this Agreement shall commence on the Effective Date and shall continue in full force and effect until November 13, 2001 (the "Initial Term"). Upon expiration of the Initial Term, this Agreement shall automatically be renewed for additional one (1)-year

periods (each, a “**Renewal Term**”; “**Renewal Term**” and “**Initial Term**” sometimes collectively referred to herein as the “**Term**”) unless a Party delivers to the other Party written notice of termination of this Agreement at least one hundred twenty (120) days prior to the expiration of the Initial Term or a Renewal Term.

XXI.2 Renegotiation of Certain Terms. Notwithstanding anything to the contrary in **Section 21.1**, upon delivery of written notice at least one hundred twenty (120) days prior to the expiration of the Initial Term or any Renewal Term, either Party may require negotiations of the rates, prices and charges, terms, and conditions of the services to be provided under this Agreement effective upon such expiration. If the Parties are unable to satisfactorily negotiate such new rates, prices, charges and terms within ninety (90) days of such written notice, either Party may petition the Commission or take such other action as may be necessary to establish appropriate terms. If prior to the applicable expiration date, the Parties are unable to mutually agree on such new rates, prices, charges, terms and conditions or the Commission does not issue its order, the Parties agree that the rates, terms and conditions ultimately ordered by such Commission or negotiated by the Parties shall be effective retroactive to such expiration date.

XXI.3 Default. When a Party believes that the other Party is in violation of a material term or condition of this Agreement (“**Defaulting Party**”), it shall provide written notice to such Defaulting Party of such violation prior to commencing the dispute resolution procedures set forth in **Section 28.3** and it shall be resolved in accordance with the procedures established in **Section 28.3**.

XXI.4 Payment Upon Expiration or Termination. In the case of the expiration or termination of this Agreement for any reason, each of the Parties shall be entitled to payment for all services performed and expenses accrued or incurred prior to such expiration or termination.

ARTICLE XXII 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.

ARTICLE XXIII CANCELLATION CHARGES

Except as provided in **Sections 2.1, 9.1.3** and **19.5.3**, pursuant to a Bona Fide Request or as otherwise provided in any applicable tariff or contract referenced herein, cancellation charges shall not be imposed upon, or payable by, either Party.

ARTICLE XXIV SEVERABILITY

If any provision of this Agreement shall be held to be illegal, 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, 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.

ARTICLE XXV INDEMNIFICATION

XXV.1 General Indemnity Rights. A 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 person 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; 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 arising from such Indemnifying Party's use of services offered under this Agreement, involving pending or threatened claims, actions, proceedings or suits (“**Claims**”) for libel, slander, invasion of privacy, or infringement of Intellectual Property rights arising from the Indemnifying Party's own communications or the communications of such Indemnifying Party's Customers;

- (c) any Loss arising from Claims for actual or alleged infringement of any Intellectual Property right of a third person to the extent that such Loss arises from an Indemnified Party's or an Indemnified Party's 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 Customer modifies or directs the Indemnifying Party to modify such service and (ii) no infringement would have occurred without such combined use or modification; and
- (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.

XXV.2 Limitation on Liquidated Damages. Notwithstanding anything to the contrary contained herein, in no event shall an Indemnifying Party have an obligation to indemnify, defend, hold the Indemnified Party harmless or reimburse the Indemnified Party or its Customers for any Loss arising out of a Claim for liquidated damages asserted against such Indemnified Party.

XXV.3 Indemnification Procedures. Whenever a Claim shall arise for indemnification under this Article XXV, 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 Article XX.

ARTICLE XXVI LIMITATION OF LIABILITY

XXVI.1 Limited Responsibility. A Party shall be responsible only for service(s) and facility(ies) which are provided by that Party, its authorized agents, subcontractors, or others retained by such parties, and neither Party shall bear any responsibility for the services and facilities provided by the other Party, its Affiliates, agents, subcontractors, or other persons retained by such parties. No Party shall be liable for any act or omission of another Telecommunications Carrier (other than an Affiliate) providing a portion of a service nor shall Ameritech be responsible for Frontier or Frontier's Customer's integration of service components.

XXVI.2 Apportionment of Fault. In the case of any Loss arising from the negligence or willful misconduct of both Parties, each Party shall bear, and its obligation shall be limited to, that portion of the resulting expense caused by its negligence or misconduct or the negligence or misconduct of such Party's Affiliates, agents, contractors or other persons acting in concert with it.

XXVI.3 Limitation of Damages. Except for indemnity obligations under Article XXV, a Party's liability to the other Party for any Loss relating to or arising out of any negligent act or omission in its performance of this Agreement, whether in contract, tort or otherwise, shall be limited to the total amount properly charged to the other Party by such negligent or breaching Party for the service(s) or function(s) not performed or improperly performed. Notwithstanding the foregoing, in cases involving any Claim for a Loss associated with the installation, provision, termination, maintenance, repair or restoration of an individual Network Element or a Resale Service provided for a specific Customer of the other Party, the negligent or breaching Party's liability shall be limited to the greater of: (i) the total amount properly charged to the other Party for the service or function not performed or improperly performed and (ii) the amount such negligent or breaching

Party would have been liable to its Customer if the comparable retail service was provided directly to its Customer.

XXVI.4 Limitations in Tariffs. A Party may, in its sole discretion, provide in its tariffs and contracts with its Customers or third parties that relate to any service, product or function provided or contemplated under this Agreement that, to the maximum extent permitted by Applicable Law, such Party shall not be liable to such Customer or third party for (i) any Loss relating to or arising out of this Agreement, whether in contract, tort or otherwise, that exceeds the amount such Party would have charged the applicable person for the service, product or function that gave rise to such Loss and (ii) any Consequential Damages (as defined in **Section 26.5**). To the extent a Party elects not to place in its tariffs or contracts such limitation(s) of liability, and the other Party incurs a Loss as a result thereof, such Party shall indemnify and reimburse the other Party for that portion of the Loss that would have been limited had the first Party included in its tariffs and contracts the limitation(s) of liability described in this **Section 26.4**.

XXVI.5 Consequential Damages. In no event shall a Party have any liability whatsoever to the other Party for any indirect, special, consequential, incidental or punitive damages, including loss of anticipated profits or revenue or other economic loss in connection with or arising from anything said, omitted or done hereunder (collectively, “**Consequential Damages**”), even if the other Party has been advised of the possibility of such damages; provided that the foregoing shall not limit a Party's obligation under **Section 25.1** to indemnify, defend and hold the other Party harmless against any amounts payable to a third person, including any losses, costs, fines, penalties, criminal or civil judgments or settlements, expenses (including attorneys' fees) and Consequential Damages of such third person.

XXVI.6 Remedies. Except as expressly provided herein, no remedy set forth in this Agreement 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.

ARTICLE XXVII BILLING

XXVII.1 Billing. Each Party will bill all applicable charges, at the rates set forth herein, in the Pricing Schedule and as set forth in applicable tariffs or contracts referenced herein, for the services provided by that Party to the other Party in accordance with this **Article XXVII** and the Implementation Plan.

XXVII.2 Recording. To the extent technically feasible, the Parties shall record call detail information associated with calls originated or terminated to the other Party as specifically required herein.

XXVII.3 Payment Of Charges. Subject to the terms of this Agreement, Frontier and Ameritech will pay each other within thirty (30) calendar days from the date of an invoice (the “**Bill Due Date**”). If the Bill Due Date is on a day other than a Business Day, payment will be made on the next Business Day. Payments shall be made in U.S. Dollars via electronic funds transfer to the other Party’s bank account. Within thirty (30) days of the Effective Date, the Parties shall provide each other the name and address of its bank, its account and routing number and to whom payments should be made payable. If such banking information changes, each Party shall provide the other Party at least sixty (60) days' written notice of the change and such notice shall include the new banking information. If a Party receives multiple invoices which are payable on the same date, such Party may remit one payment for the sum of all amounts payable to the other Party’s bank. Each Party shall provide the other Party with a contact person for the handling of payment questions or problems.

XXVII.4 Late Payment Charges. If either Party fails to remit payment for any charges for services by the Bill Due Date, or if a payment or any portion of a payment is received by either Party after the Bill Due Date, or if a payment or any portion of a payment is received in funds which are not immediately available to the other Party as of the Bill Due Date (individually and collectively, “**Past Due**”), then a late payment charge shall be assessed. Past Due amounts shall accrue interest as provided in **Section 27.6**. Any late payment charges assessed on Disputed Amounts shall be paid or credited, as the case may be, as provided in **Section 28.2.2**. In no event, however, shall interest be assessed on any previously assessed late payment charges.

XXVII.5 Adjustments.

XXVII.5.1 A Party shall promptly reimburse or credit the other Party for any charges that should not have been billed to the other Party as provided in this Agreement. Such reimbursements shall be set forth in the appropriate section of the invoice.

XXVII.5.2 A Party shall bill the other Party for any charges that should have been billed to the other Party as provided in this Agreement, but have not been billed to the other Party (“**Underbilled Charges**”); provided, however, that, except as provided in **Article XXVIII**, the Billing Party shall not bill for Underbilled Charges which were incurred more than one (1) year prior to the date that the Billing Party transmits a bill for any Underbilled Charges. Notwithstanding the foregoing, Frontier shall not be liable for any Underbilled Charges for which Customer Usage Data was not furnished by Ameritech to Frontier within ten (10) months of the date such usage was incurred.

XXVII.6 Interest on Unpaid Amounts. Any undisputed amounts not paid when due shall accrue interest from the date such amounts were due at the lesser of (i) one and one-half percent (1½%) per month and (ii) the highest rate of interest that may be charged under Applicable Law, compounded daily from the number of days from the Bill Due Date to and including the date that payment is actually made and available.

ARTICLE XXVIII
AUDIT RIGHTS, DISPUTED AMOUNTS
AND DISPUTE RESOLUTION

XXVIII.1 Audit Rights.

XXVIII.1.1 Subject to the restrictions set forth in **Article XX** and except as may be otherwise specifically provided in this Agreement, a Party (“**Auditing Party**”) may audit the other Party’s (“**Audited Party**”) books, records, data and other documents, as provided herein, once annually (commencing on the Service Start Date) for the purpose of evaluating the accuracy of Audited Party’s billing and invoicing of the services provided hereunder. The scope of the audit shall be limited to 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 Service Start Date) and (ii) the twelve (12) month period immediately preceding the date the Audited Party received notice of such requested audit, but in any event not prior to the Service Start Date. 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 thirty (30) days after the start of such audit. Such audit shall be conducted by an independent auditor acceptable to both Parties. The Parties shall select an auditor by the thirtieth day following Audited Party’s receipt of a written audit notice. Auditing Party shall cause the independent auditor to execute a nondisclosure agreement in a form agreed upon by the Parties. Notwithstanding the foregoing, an Auditing Party may audit Audited Party’s books, records and documents more than once annually 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 two percent (2%) of the amounts payable by Auditing Party for audited services provided during the period covered by the audit.

XXVIII.1.2 Each audit shall be conducted on the premises of the Audited Party during normal business hours. Audited Party shall cooperate fully in any such audit and shall provide the independent 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 bills. No Party shall have access to the data of the other Party, but shall rely upon summary results provided by the independent auditor. Audited Party may redact from the books, records and other documents provided to the independent 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.

XXVIII.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 the Audited Party, immediately compensate Auditing Party for such undercharge, in each case with interest at the lesser of (x) one and one-half (1½%) 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, Frontier shall not be liable for any Underbilled Charges for which Customer Usage Data was not furnished by Ameritech to Frontier within ten (10) months of the date such usage was incurred.

XXVIII.1.4 Audits shall be at Auditing Party's expense, subject to reimbursement by Audited Party in the event that an audit finds, and the Parties subsequently verify, adjustment in the charges or in any invoice paid or payable by Auditing Party hereunder by an amount that is, on an annualized basis, greater than two percent (2%) of the aggregate charges for the audited services during the period covered by the audit.

XXVIII.1.5 Any disputes concerning audit results shall be referred to the Parties' respective responsible personnel for informal resolution. If these individuals cannot resolve the dispute within thirty (30) days of the referral, either Party may request in writing that an additional audit shall be conducted by an independent auditor acceptable to both Parties, subject to the requirements set out in **Section 28.1.1**. Any additional audit shall be at the requesting Party's expense.

XXVIII.2 Disputed Amounts.

XXVIII.2.1 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. The Non-Paying Party shall pay when due (i) all undisputed amounts to the Billing Party, and (ii) all Disputed Amounts into an interest bearing escrow account with a third party escrow agent mutually agreed upon by the Parties. Notwithstanding the foregoing, except as provided in **Section 28.1**, a Party shall be entitled to dispute only those charges for which the Bill Due Date was within the immediately preceding twelve (12) months of the date on which the other Party received notice of such Disputed Amounts.

XXVIII.2.2 Such Disputed Amounts shall be subject to late payment charges as set forth in **Section 27.4**. 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 assessed 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 regarding the Disputed Amounts 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 assessed no later than the second Bill Due Date after the resolution of the dispute regarding the Disputed Amounts. In no event, however, shall any late payment charges be assessed on any previously assessed late payment charges.

XXVIII.2.3 If the Parties are unable to resolve the issues related to the Disputed Amounts in the normal course of business within sixty (60) days after delivery to the Billing Party of notice of the Disputed Amounts, each of the Parties shall appoint a designated representative who has authority to settle the Disputed Amounts and who is at a higher level of management than the persons with direct responsibility for administration of this Agreement. The designated representatives shall meet as often as they reasonably deem necessary in order to discuss the Disputed Amounts and negotiate in good faith in an effort to resolve such Disputed Amounts. The specific format for such discussions will be left to the discretion of the designated representatives, however all reasonable requests for relevant information made by one Party to the other Party shall be honored.

XXVIII.2.4 If the Parties are unable to resolve issues related to the Disputed Amounts within forty-five (45) days after the Parties' appointment of designated representatives pursuant to **Section 28.2.3**, then either Party may file a complaint with the Commission to resolve such issues or proceed with any other remedy available to the Parties. The Commission or the FCC or a court of competent jurisdiction may direct payment of any or all Disputed Amounts (including any accrued interest) thereon or additional amounts awarded plus applicable late fees, to be paid to either Party.

XXVIII.2.5 The Parties agree that all negotiations pursuant to this **Section 28.2** shall remain confidential in accordance with **Article XX** and shall be treated as compromise and settlement negotiations for purposes of the Federal Rules of Evidence and state rules of evidence.

XXVIII.3 Dispute Escalation and Resolution. Except as otherwise provided herein, any dispute, controversy or claim (individually and collectively, a “**Dispute**”) arising under this Agreement shall be resolved in accordance with the procedures set forth in this **Section 28.3**. In the event of a Dispute between the Parties relating to this Agreement and upon the written request of either Party, each of the Parties shall appoint within five (5) Business Days after a Party’s receipt of such request a designated representative who has authority to settle the Dispute and who is at a higher level of management than the persons with direct responsibility for administration of this Agreement. The designated representatives shall meet as often as they reasonably deem necessary in order to discuss the Dispute and negotiate in good faith in an effort to resolve such Dispute. The specific format for such discussions will be left to the discretion of the designated representatives, however, all reasonable requests for relevant information made by one Party to the other Party shall be honored. If the Parties are unable to resolve issues related to a Dispute within thirty (30) days

after the Parties' appointment of designated representatives as set forth above, either Party may seek any relief it is entitled to under Applicable Law. Notwithstanding the foregoing, in no event shall the Parties permit the pending of a Dispute to disrupt service to any Frontier Customer or Ameritech Customer.

XXVIII.4 Equitable Relief. Notwithstanding the foregoing, this **Article XXVIII** shall not be construed to prevent either Party from seeking and obtaining temporary equitable remedies, including temporary restraining orders, if, in its judgment, such action is necessary to avoid irreparable harm. Despite any such action, the Parties will continue to participate in good faith in the dispute resolution procedures described in this **Article XXVIII**.

ARTICLE XXIX REGULATORY APPROVAL

XXIX.1 Commission Approval. The Parties understand and agree that this Agreement will be filed with the Commission for approval by such Commission pursuant to Section 252 of the Act. Each Party agrees that this Agreement is satisfactory to them as an agreement under Sections 251 and 252 of the Act. If the Commission, the FCC or any court rejects any portion of this Agreement, the Parties agree to meet and negotiate in good faith to arrive at a mutually acceptable modification of the rejected portion and related provisions; provided that such rejected portion shall not affect the validity of the remainder of this Agreement.

XXIX.2 Tariffs. If either Party is required by any governmental authority to file a tariff or make another similar filing to implement any provision of this Agreement (other than a tariff filed by a Party that generally relates to one or more services provided under this Agreement but not specifically to Frontier or Ameritech) (an “**Ameritech/Frontier Interconnect Tariff**”), such Party shall (i) consult with the other Party reasonably in advance of such filing about the form and substance of such Ameritech/Frontier Interconnect Tariff, (ii) provide to such other Party its proposed Ameritech/Frontier Interconnect Tariff and obtain such other Party's agreement on the form and substance of such Ameritech/Frontier Interconnect Tariff prior to such filing, and (iii) take all steps reasonably necessary to ensure that such Ameritech/Frontier Interconnect Tariff or other filing imposes obligations upon such Party that are as close as possible to those provided in this Agreement and preserves for such other Party the full benefit of the rights otherwise provided in this Agreement.

If, subsequent to the effective date of any such Ameritech/Frontier Interconnect Tariff, a Party is no longer required to file tariffs with the Commission or the FCC, either generally or for specific services, the Parties agree to modify this Agreement to reflect herein the relevant and consistent terms and conditions of such Ameritech/Frontier Interconnect Tariffs as of the date on which the requirement to file such Ameritech/Frontier Interconnect Tariffs was lifted. Nothing in this **Section 29.2** shall be construed to grant a Party any right to review any tariff filing of the other Party other than the Ameritech/Frontier Interconnection Tariff, other than as provided under Applicable Law.

29.3 Amendment or Other Changes to the Act; Reservation of Rights. The Parties acknowledge that the respective rights and obligations of each Party as set forth in this Agreement are based on the text of the Act and the rules and regulations promulgated thereunder by the FCC and the Commission as of the Effective Date. In the event of any amendment of the Act, or any legislative, regulatory, judicial order, rule or regulation or other legal action that revises or reverses the Act, the FCC's First Report and Order in CC Docket Nos. 96-98 and 95-185 or any applicable Commission order or arbitration award purporting to apply the provisions of the Act (individually and collectively, an “**Amendment to the Act**”), either Party may by providing written notice to the other Party require that the affected provisions be renegotiated in good faith and this Agreement be amended accordingly to reflect the pricing, terms and conditions of each such Amendment to the Act relating to any of the provisions in this Agreement. If any such amendment to this Agreement affects any rates or charges of the services provided hereunder, such amendment shall be retroactively effective as determined by the Commission and each Party reserves its rights and remedies with respect to the collection of such rates or charges; including the right to seek a surcharge before the applicable regulatory authority.

29.4 Regulatory Changes. If any legislative, regulatory, judicial or other legal action (other than an Amendment to the Act, which is provided for in **Section 29.3**) materially affects the ability of a Party to perform any material obligation under this Agreement, a Party may, on thirty (30) days' written notice (delivered not later than thirty (30) days following the date on which such action has become legally binding), require that the affected provision(s) be renegotiated, and the Parties shall renegotiate in good faith such mutually acceptable new provision(s) as may be required; provided that such affected provisions shall not affect the validity of the remainder of this Agreement.

29.5 Interim Rates. If the rates, charges and prices set forth in this Agreement are “**interim rates**” established by the Commission or the FCC, the Parties agree to substitute such interim rates with the rates, charges or prices later established by the Commission or the FCC pursuant to the pricing standards of Section 252 of the Act and such rates, charges and prices shall be effective as determined by the Commission or the FCC.

ARTICLE XXX MISCELLANEOUS

XXX.1 Authorization.

XXX.1.1 Ameritech Services, Inc. is a corporation duly organized, validly existing and in good standing under the laws of the State of Delaware. Ameritech Information Industry Services, a division of Ameritech Services, Inc., has full power and authority to execute and deliver

this Agreement and to perform the obligations hereunder on behalf of and as agent for Ameritech Michigan.

XXX.1.2 Frontier is a corporation duly organized, validly existing and in good standing under the laws of the State of Michigan and has full power and authority to execute and deliver this Agreement and to perform its obligations hereunder. Frontier represents and warrants to Ameritech that it has been certified as an LEC by the Commission and is authorized to provide in the State of Michigan the services contemplated hereunder.

XXX.2 Designation of Affiliate. Each Party may without the consent of the other Party fulfill its obligations under this Agreement by itself or may cause its Affiliates to take some or all of such actions to fulfill such obligations. Upon such designation, the Affiliate shall become a primary obligor hereunder with respect to the delegated matter, but such designation shall not relieve the designating Party of its obligations as co-obligor hereunder. Any Party which elects to perform its obligations through an Affiliate shall cause its Affiliate to take all action necessary for the performance hereunder of such Party's obligations. Each Party represents and warrants that if an obligation under this Agreement is to be performed by an Affiliate, such Party has the authority to cause such Affiliate to perform such obligation and such Affiliate will have the resources required to accomplish the delegated performance.

XXX.3 Subcontracting. Either Party may subcontract the performance of its obligation under this Agreement without the prior written consent of the other Party; provided, however, that the Party subcontracting such obligation shall remain fully responsible for (i) the performance of such obligation, (ii) payments due its subcontractors and (iii) such subcontractors' compliance with the terms, conditions and restrictions of this Agreement.

XXX.4 Independent Contractor. Each Party shall perform services hereunder as an independent contractor and nothing herein shall be construed as creating any other relationship between the Parties. Each Party and each Party's contractor shall be solely responsible for the withholding or payment of all applicable federal, state and local income taxes, social security taxes and other payroll taxes with respect to their employees, as well as any taxes, contributions or other obligations imposed by applicable state unemployment or workers' compensation acts. Each Party has sole authority and responsibility to hire, fire and otherwise control its employees.

XXX.5 Force Majeure. No Party shall be responsible for delays or failures in performance of any part of this Agreement (other than an obligation to make money payments) 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 government or legal body, embargoes, epidemics, terrorist acts, riots, insurrections, fires, explosions, earthquakes, nuclear accidents, floods, work stoppages, equipment failures, 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 delays caused by the other Party 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 be excused from such 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.

XXX.6 Governing Law. Unless otherwise provided by Applicable Law, this Agreement shall be governed by the domestic laws of the State of Michigan without reference to conflict of law provisions.

XXX.7 Taxes.

XXX.7.1 Each Party purchasing services hereunder shall pay or otherwise be responsible for all federal, state, or local sales, use, excise, gross receipts, transaction or similar taxes, fees or surcharges levied against or upon such purchasing Party (or the providing Party when such providing Party is permitted to pass along to the purchasing Party such taxes, fees or surcharges), except for any tax on either Party's corporate existence, status or income. Whenever possible, these amounts shall be billed as a separate item on the invoice. To the extent a sale is claimed to be for resale, the purchasing Party shall furnish the providing Party a proper resale tax exemption certificate as authorized or required by statute or regulation by the jurisdiction providing said resale tax exemption. Failure to timely provide said resale tax exemption certificate will result in no exemption being available to the purchasing Party for any charges invoiced prior to the date such exemption certificate is furnished. To the extent that a Party includes gross receipts taxes in any of the charges or rates of services provided hereunder, no additional gross receipts taxes shall be levied against or upon the purchasing Party.

XXX.7.2 The Party obligated to pay any such taxes may contest the same in good faith, at its own expense, and shall be entitled to the benefit of any refund or recovery; provided that such contesting Party shall not permit any lien to exist on any asset of the other Party by reason of such contest. The Party obligated to collect and remit shall cooperate in any such contest by the other Party. As a condition of contesting any taxes due hereunder, the contesting Party agrees to be liable and indemnify and reimburse the other Party for any additional amounts that may be due by reason of such contest, including any interest and penalties.

XXX.8 Non-Assignment. Frontier may not assign or transfer (whether by operation of law or otherwise) this Agreement (or any rights or obligations hereunder) to a third person without the

prior written consent of Ameritech; provided that Frontier may assign or transfer this Agreement to its Affiliate by providing prior written notice to Ameritech of such assignment or transfer; provided, further, that such assignment is not inconsistent with Applicable Law (including, the Affiliate's obligation to obtain proper Commission certification and approvals) or the terms and conditions of this Agreement. Notwithstanding the foregoing, Frontier may not assign or transfer this Agreement (or any rights or obligations hereunder) to its Affiliate if that Affiliate is a party to an agreement with Ameritech under Sections 251/252 of the Act. Any attempted assignment or transfer that is not permitted is void ab initio.

XXX.9 Non-Waiver. No waiver of any provision of this Agreement shall be effective unless the same shall be in writing and properly executed by or on behalf of the Party against whom such waiver or consent is claimed. 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.

XXX.10 Notices. Notices given by one Party to the other Party under this Agreement shall be in writing (unless specifically provided otherwise herein) and unless otherwise specifically required by this Agreement to be delivered to another representative or point of contact, shall be (a) delivered personally, (b) delivered by express delivery service, (c) mailed, certified mail or first class U.S. mail postage prepaid, return receipt requested or (d) delivered by facsimile; provided that a confirmation copy is sent by the method described in (a), (b) or (c) of this **Section 30.10**, to the following addresses of the Parties:

To Frontier:

Frontier Telemanagement, Inc.
180 South Clinton Avenue
Rochester, New York 14646
Attn.: Director of Local Services
Facsimile: (716) 546-7823

with a copy to:

Michael S. Shortley, III
Senior Attorney/Director Regulatory Services
180 South Clinton Avenue
Rochester, New York 14646
Facsimile: (716) 546-7823

To Ameritech:

Ameritech Information Industry Services
350 North Orleans, Floor 3

Chicago, IL 60654
Attn.: Vice President - Network Providers
Facsimile: (312) 467-9026

with a copy to:

Ameritech Information Industry Services
350 North Orleans, Floor 5
Chicago, IL 60654
Attn.: Vice President and General Counsel
Facsimile: (312) 245-0254

or to such other address as either Party shall designate by proper notice. Notices will be deemed given as of the earlier of (i) the date of actual receipt, (ii) the next Business Day when notice is sent via express mail or personal delivery, (iii) three (3) days after mailing in the case of first class or certified U.S. mail or (iv) on the date set forth on the confirmation in the case of facsimile.

XXX.11 Publicity and Use of Trademarks or Service Marks. Neither Party nor its subcontractors or agents shall use the other Party's trademarks, service marks, logos or other proprietary trade dress in any advertising, press releases, publicity matters or other promotional materials without such Party's prior written consent, except as permitted by Applicable Law.

XXX.12 Nonexclusive Dealings. This Agreement does not prevent either Party from providing or purchasing services to or from any other person nor does it obligate either Party to provide or purchase any services not specifically provided herein.

XXX.13 No Third Party Beneficiaries; Disclaimer of Agency. Except as may be specifically set forth in this Agreement, this Agreement is for the sole benefit of the Parties and their permitted assigns, and nothing herein express or implied shall create or be construed to create any third-party beneficiary rights hereunder. Nothing in this Agreement shall constitute a Party as a legal representative or agent of the other Party, nor shall a Party have the right or authority to assume, create or incur any liability or any obligation of any kind, express or implied, against or in the name or on behalf of the other Party unless otherwise expressly permitted by such other Party. No Party undertakes to perform any obligation of the other Party, whether regulatory or contractual, or to assume any responsibility for the management of the other Party's business.

XXX.14 No License. No license under patents, copyrights or any other Intellectual Property right (other than the limited license to use consistent with the terms, conditions and restrictions of this Agreement) is granted by either Party or shall be implied or arise by estoppel with respect to any transactions contemplated under this Agreement.

XXX.15 Survival. The Parties' obligations under this Agreement which by their nature are intended to continue beyond the termination or expiration of this Agreement shall survive the termination or expiration of this Agreement, including Articles XX, XXI, XXII, XXIII, XXV, and XXVI, Sections 3.9.4, 6.5, 10.11.3, 16.15, 16.17, 19.5.3, 28.2, 28.3, 30.7, 30.11, and 30.14.

XXX.16 Scope of Agreement. This Agreement is intended to describe and enable specific Interconnection and access to unbundled Network Elements and compensation arrangements between the Parties. This Agreement does not obligate either Party to provide arrangements not specifically provided herein. Except as specifically contained herein or provided by the FCC or the Commission within its lawful jurisdiction, nothing in this Agreement shall be deemed to affect any access charge arrangement.

XXX.17 Counterparts. This Agreement 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.

30.18 Entire Agreement. The terms contained in this Agreement and any Schedules, Exhibits, tariffs and other documents or instruments referred to herein, which are incorporated into this Agreement by this reference, 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. Specifically, the Parties expressly acknowledge that the rates, terms and conditions of this Agreement shall supersede those existing arrangements of the Parties, if any. Neither Party shall be bound by any 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. This Agreement may only be modified by a writing signed by an officer of each Party.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed as of the Effective Date.

FRONTIER TELEMAGEMENT, INC.

**AMERITECH INFORMATION
INDUSTRY SERVICES, A DIVISION
OF AMERITECH SERVICES, INC., ON
BEHALF OF AND AS AGENT FOR
AMERITECH MICHIGAN**

By: Michael J. [Signature]
Printed: Michael J. [Name]
Title: Director, [Title]

By: Karen S. Vessely [Signature]
Printed: Karen S. Vessely
Title: President

SCHEDULE 1.2

DEFINITIONS

“**9-1-1**” means the services described in Section 3.9.

“**9-1-1 Control Office Software Enhancement Connection Charge**” is as defined in Section 3.9.2(e).

“**Access Toll Connecting Trunks**” is as defined in Section 5.1.

“**Act**” means the Communications Act of 1934 (47 U.S.C. § 151 et seq.), as amended by the Telecommunications Act of 1996, and as from time to time interpreted in the duly authorized rules and regulations of the FCC or the Commission having authority to interpret the Act within its state of jurisdiction.

“**ADSL**” or “**Asymmetrical Digital Subscriber Line**” means a transmission technology which transmits an asymmetrical digital signal using one of a variety of line codes.

“**Advanced Intelligent Network**” or “**AIN**” is a network functionality that permits specific conditions to be programmed into a switch which, when met, directs the switch to suspend call processing and to receive special instructions for further call handling instructions in order to enable carriers to offer advanced features and services.

“**Affiliate**” is As Defined in the Act.

“**AMA**” means the Automated Message Accounting structure inherent in switch technology that initially records telecommunication message information. AMA format is contained in the Automated Message Accounting document, published by Bellcore as GR-1100-CORE which defines the industry standard for message recording.

“**Applicable Law**” is as defined in Section 19.2.

“**Approval Date**” is the earlier of the date on which (i) the Commission approves this Agreement under Section 252(e) of the Act and (ii) absent such Commission approval, the Agreement is deemed approved under Section 252(e)(4) of the Act.

“**As Defined in the Act**” means as specifically defined by the Act and as from time to time interpreted in the duly authorized rules and regulations of the FCC or the Commission.

“**As Described in the Act**” means as described in or required by the Act and as from time to time interpreted in the duly authorized rules and regulations of the FCC or the Commission.

“Automatic Location Identification” or **“ALI”** means a feature by which the service address associated with the calling party’s listed telephone number identified by ANI as defined herein, is forwarded to the PSAP for display. Additional telephones with the same number as the calling party’s, including secondary locations and off-premise extensions will be identified with the service address of the calling party’s listed number.

“Automatic Number Identification” or **“ANI”** means a Feature Group D signaling parameter which refers to the number transmitted through a network identifying the billing number of the calling party. With respect to 9-1-1 and E9-1-1, “ANI” means a feature by which the calling party’s telephone number is automatically forwarded to the E9-1-1 Control Office and to the PSAP display and transfer office.

“Automatic Route Selection” or **“ARS”** means a service feature associated with a specific grouping of lines that provides for automatic selection of the least expensive or most appropriate transmission facility for each call based on criteria programmed into the system.

“Bellcore” means Bell Communications Research, Inc.

“Binding Forecast” is as defined in Section 19.5.3.

“Blocking of Caller ID” means service in which a customer may prevent the disclosure of the calling telephone number and name on calls made to an Exchange Service equipped with Called ID.

“BLV/BLVI Traffic” means an operator service call in which the caller inquires as to the busy status of or requests an interruption of a call on another Customer’s Telephone Exchange Service line.

“Bona Fide Request” means the process described on Schedule 2.2.

“Business Day” means a day on which banking institutions are required to be open for business in Chicago, Illinois.

“CABS” means the Carrier Access Billing System which is contained in a document prepared under the direction of the Billing Committee of the OBF. The Carrier Access Billing System document is published by Bellcore 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 access and other connectivity services.

“Calling Party Number” or **“CPN”** is a Common Channel Interoffice Signaling (**“CCIS”**) parameter which refers to the number transmitted through a network identifying the calling party.

“Carrier of Record” is as defined in Section 10.11.3.

“CCS” means one hundred (100) call seconds.

“Central Office” means a building or space within a building (other than a remote switch) where transmission facilities and/or circuits are connected or switched.

“Central Office Switch” means a switch used to provide Telecommunications Services, including:

(a) **“End Office Switches,”** which are used to terminate Customer station Loops for the purpose of Interconnection to each other and to trunks; and

(b) **“Tandem Office Switches,”** or **“Tandems,”** which are used to connect and switch trunk circuits between and among other Central Office Switches.

A Central Office Switch may also be employed as a combination End Office/Tandem Office Switch.

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

“CLASS Features” means certain CCIS-based features available to Customers including: Automatic Call Back; Caller Identification and related blocking features; Distinctive Ringing/Call Waiting; Selective Call Forward; and Selective Call Rejection.

“COBO” is as defined in Section 12.12.2(b).

“Collocation” is As Described in the Act.

“Commercial Mobile Radio Service” or **“CMRS”** is As Defined in the Act.

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

“Common Channel Interoffice Signaling” or **“CCIS”** means the signaling system, developed for use between switching systems with stored-program control, in which all of the signaling information for one or more groups of trunks is transmitted over a dedicated high-speed data link rather than on a per-trunk basis and, unless otherwise agreed by the Parties, the CCIS used by the Parties shall be SS7.

“Consequential Damages” is as defined in Section 26.5.

“Contract Month” means a calendar month (or portion thereof) during the term of this Agreement. Contract Month 1 shall commence on the first day of the first calendar month following the Effective Date and end on the last day of that calendar month.

“Contract Year” means a twelve (12)-month period during the term of this Agreement commencing on the Effective Date and each anniversary thereof.

“Control Office” means the Central Office providing Tandem Switching Capability for E9-1-1 calls. The Control Office controls switching of ANI information to the PSAP and also provides the Selective Routing feature, standard speed calling features, call transfer capability and certain maintenance functions for each PSAP.

“Cross-Connect” or **“Cross Connection”** means a connection provided pursuant to Collocation at the Digital Signal Cross Connect, Main Distribution Frame or other suitable frame or panel between (i) the collocated Party’s equipment and (ii) the equipment of a third-party collocated Telecommunications Carrier or the equipment or facilities of the other Party which provides such Collocation.

“Customer” means a third-party end user that subscribes to Telecommunications Services provided at retail by either of the Parties.

“Customer Listing(s)” means a list containing the names, the telephone numbers, addresses and zip codes of Customers within a defined geographical area, except to the extent such Customers have requested not to be listed in a directory.

“Customer Name and Address Information” or **“CNA”** means the name, service address and telephone numbers of a Party’s Customers for a particular Exchange Area. CNA includes unpublished listings, coin telephone information and published listings.

“Customer Proprietary Network Information” is As Defined in the Act.

“Customer Usage Data” is as defined in Section 10.16.1.

“Data Management System” or **“DMS”** means a system of manual procedures and computer processes used to create, store and update the data required to provide the Selective Routing (“SR”) and ALI features.

“Delaying Event” means (a) any failure of a Party to perform any of its obligations set forth in this Agreement, caused in whole or in part by (i) the failure of the other Party to perform any of its obligations set forth in this Agreement (including, specifically, a Party’s failure to provide the other Party with accurate and complete Service Orders), or (ii) any delay, act or failure to act by the other Party or its Customer, agent or subcontractor or (b) any Force Majeure Event.

“Delivery Date” is as defined in Sections 12.12.2(b) and 12.12.3(c).

“Derivative Information” is as defined in Section 20.1.1(b).

“Dialing Parity” is As Defined in the Act.

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

“Digital Signal Level 0” or **“DS0”** means the 64 Kbps zero-level signal in the time-division multiplex hierarchy.

“Digital Signal Level 1” or **“DS1”** means the 1.544 Mbps first-level signal in the time-division multiplex hierarchy. In the time-division multiplexing hierarchy of the telephone network, DS1 is the initial level of multiplexing.

“Digital Signal Level 3” or **“DS3”** means the 44.736 Mbps third-level in the time-division multiplex hierarchy. In the time-division multiplexing hierarchy of the telephone network, DS3 is defined as the third level of multiplexing.

“Disclosing Party” is as defined in Section 20.1.1.

“Dispute” is as defined in Section 28.3.

“Disputed Amounts” is as defined in Section 28.2.1.

“Documentation of Authorization” is as defined in Schedule 10.11.1.

“Effective Date” is the date indicated in the Preamble.

“Emergency Services” mean police, fire, ambulance, rescue and medical services.

“E9-1-1” or **“Enhanced 9-1-1 (E9-1-1) Service”** provides completion of 9-1-1 calls via dedicated trunking facilities and includes Automatic Number Identification (ANI), Automatic Location Identification (ALI) and/or Selective Routing (SR).

“equal in quality” is as defined in Section 3.6.

“Exchange Access” is As Defined in the Act.

“Exchange Area” means an area, defined by the Commission, for which a distinct local rate schedule is in effect.

“Exchange Message Record” or **“EMR”** means the standard used for exchange of Telecommunications message information among Telecommunications providers for billable, non-

billable, sample, settlement and study data. EMR format is contained in Bellcore Practice BR-010-200-010 CRIS Exchange Message Record.

“FCC” means the Federal Communications Commission.

“Fiber-Meet” means an Interconnection architecture method whereby the Parties physically Interconnect their networks via an optical fiber interface (as opposed to an electrical interface) at a mutually agreed upon location, at which one Party's responsibility or service begins and the other Party's responsibility ends.

“Force Majeure Event” is as defined in Section 30.5.

“Forecast Provider” is as defined in Section 19.5.3.

“Grandfathered Services” is as defined in Section 10.3.1.

“Hazardous Substances” is as defined in Section 19.4.

“HDSL” or **“High-Bit Rate Digital Subscriber Line”** means a transmission technology which transmits up to a DS1-level signal, using any one of the following line codes: 2 Binary / 1 Quaternary (**“2B1Q”**), Carrierless AM/PM, Discrete Multitone (**“DMT”**), or 3 Binary / 1 Octel (**“3B1O”**).

“Implementation Plan” is as defined in Section 18.2.

“Implementation Team” is as defined in Section 18.1.

“Incumbent Local Exchange Carrier” or **“ILEC”** is As Defined in the Act. **“Information Service”** is As Defined in the Act.

“Information Service Traffic” means Local Traffic or IntraLATA Toll Traffic which originates on a Telephone Exchange Service line and which is addressed to an information service provided over a Party's Information Services platform (e.g., 976).

“Initial Term” is as defined in Section 21.1.

“Insufficient Capacity” is as defined in Section 16.1.2.

“Integrated Digital Loop Carrier” 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” or **“ISDN”** means a switched network service that provides end-to-end digital connectivity for the simultaneous transmission of voice and data. Basic Rate Interface-ISDN (BRI-ISDN) provides for a digital transmission of two 64 Kbps bearer channels and one 16 Kbps data channel (2B+D).

“Intellectual Property” means copyrights, patents, trademarks, trade-secrets, mask works and all other intellectual property rights.

“Interconnection” is As Defined in the Act.

“Interconnection Activation Date” is as defined in **Section 2.1**.

“Interexchange Carrier” or **“IXC”** means a carrier that provides interLATA or intraLATA Telephone Toll Services.

“Interim Telecommunications Number Portability” or **“INP”** is as described in the Act.

“InterLATA” is As Defined in the Act including interzone calls.

“IntraLATA Toll Traffic” means all intraLATA calls other than Local Traffic calls including interzone calls.

“ISP” is as defined in paragraph 341 of the FCC’s First Report and Order in CC Docket No. 97-158.

“Line Information Database(s) (LIDB)” means one or all, as the context may require, of the Line Information Databases owned individually by ILECs and other entities which provide, among other things, calling card validation functionality for telephone line number cards issued by ILECs and other entities. A LIDB also contains validation data for collect and third number-billed calls, which include billed number screening.

“Listing Update(s)” means information with respect to Customers necessary for Publisher to publish directories under this Agreement in a form and format acceptable to Publisher. For Customers whose telephone service has changed since the last furnished Listing Update because of new installation, disconnection, change in address, change in name, change in non-listed or non-published status, or other change which may affect the listing of the Customer in a directory, Listing Updates shall also include information necessary in order for Publisher to undertake initial delivery and subsequent delivery of directories, including mailing addresses, delivery addresses and quantities of directories requested by a Customer. In the case of Customers who have transferred service from another LEC to Frontier without change of address, Listing Updates shall also include the Customer’s former listed telephone number and former LEC, if available. Similarly, in the case of Customers who have transferred service from Frontier to another LEC, Listing Updates shall also include the Customer’s referral telephone number and new LEC, if available.

“Local Access and Transport Area” or **“LATA”** is As Defined in the Act.

“Local Exchange Carrier” or **“LEC”** is As Defined in the Act.

“Local Loop Transmission” or **“Loop”** means the transmission path which extends from Network Interface Device or demarcation point at a Customer's premises to the Main Distribution Frame or other designated frame or panel in a Party's Central Office which serves the Customer. Loops are defined by the electrical interface rather than the type of facility used.

“Local Number Portability” or **“LNP”** means the ability of users of Telecommunications Services to retain, at the same location, existing telephone numbers without impairment of quality, reliability, or convenience when switching from one Telecommunications Carrier to another.

“Local Traffic” means those local calls as defined by Ameritech’s Local calling areas as described in maps, tariffs, or rule schedules filed with and approved by the Commission as of the Effective Date.

“Logical Trunk Groups” are trunks established consistent with Articles IV and V that originate at one Party's Central Office and terminate at the other Party's Tandem or End Office. Such Logical Trunk Groups are switched only at the point where such Logical Trunk Groups terminate.

“Loss” or **“Losses”** means any and all losses, costs (including court costs), claims, damages (including fines, penalties, and criminal or civil judgments and settlements), injuries, liabilities and expenses (including attorneys' fees).

“Main Distribution Frame” means the distribution frame of the Party providing the Loop used to interconnect cable pairs and line and trunk equipment terminals on a switching system.

“Make-Ready Work” means all work, including rearrangement or transfer of existing facilities or other changes required to accommodate Frontier's Attachments.

“MECAB” refers to the Multiple Exchange Carrier Access Billing (MECAB) document prepared by the Billing Committee of the Ordering and Billing Forum (OBF), which functions under the auspices of the Carrier Liaison Committee (CLC) of the Alliance for Telecommunications Industry Solutions (ATIS). The MECAB document published by Bellcore as Special Report SR-BDS-000983 contains the recommended guidelines for the billing of an access service provided by two or more LECs, or by one LEC in two or more states within a single LATA.

“Meet-Point Billing” means the process whereby each Party bills the appropriate tariffed rate for its portion of a jointly provided Switched Exchange Access Service.

“Multiple Bill/Single Tariff” means that each Party will prepare and render its own meet point bill in accordance with its own tariff for its portion of the switched access service.

“Network Element” is As Defined in the Act.

“Non-Electronic Order” shall mean an order for the same location and the same customer account and which is submitted by Frontier to Ameritech using a means other than the Provisioning EI.

“North American Numbering Plan” or **“NANP”** means the numbering plan used in the United States that also serves Canada, Bermuda, Puerto Rico and certain Caribbean Islands. The NANP format is a 10-digit number that consists of a 3-digit NPA code (commonly referred to as the area code), followed by a 3-digit NXX code and 4-digit line number.

“Number Portability” is As Defined in the Act.

“NXX” means the three-digit code which appears as the first three digits of a seven-digit telephone number.

“OBF” means the Ordering and Billing Forum (OBF), which functions under the auspices of the Carrier Liaison Committee (CLC) of the Alliance for Telecommunications Industry Solutions (ATIS).

“Occupancy Date” is as defined in Section 12.12.2(e).

“Optical Line Terminating Multiplexor” or **“OLTM”** is as defined in Section 3.3.

“Party” means either Ameritech or Frontier, and **“Parties”** means Ameritech and Frontier.

“Physical Collocation” is As Defined in the Act.

“PIC” is as defined in Section 10.11.4.

“Plan” is as defined in Section 8.1.

“Premises” is As Defined in the Act.

“Primary Listing” means the single directory listing provided to Customers by Publisher under the terms of this Agreement. Each telephone configuration that allows a terminating call to hunt for an available time among a series of lines shall be considered a single Customer entitled to a single primary listing.

“Proprietary Information” is as defined in Section 20.1.1.

“Provisioning EI” is as defined in Section 10.13.2(a).

“Public Safety Answering Point” or “PSAP” means an answering location for 9-1-1 calls originating in a given area. A PSAP may be designated as Primary or Secondary, which refers to the order in which calls are directed for answering. Primary PSAPs respond first; Secondary PSAPs receive calls on a transfer basis only, and generally serve as a centralized answering location for a particular type of emergency call. PSAPs are staffed by employees of Service Agencies such as police, fire or emergency medical agencies or by employees of a common bureau serving a group of such entities.

“Publisher” means Ameritech's White Pages Directories publisher.

“Rate Center” means the specific geographic point which has been designated by a given LEC as being associated with a particular NPA-NXX code which 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; provided that a Rate Center cannot exceed the boundaries of an Exchange Area as defined by the Commission.

“Receiving Party” is as defined in Section 20.1.1.

“Reciprocal Compensation” is As Described in the Act.

“Referral Announcement” is as defined in Article XVII.

“Renewal Term” is as defined in Section 21.1.

“Frontier Directory Customer” is as defined in Section 15.1.

“Resale Implementation Questionnaire” means that certain document that contains Frontier information that allows Ameritech to populate its systems and tables so that Frontier can be established in Ameritech’s internal system, a copy of which has been provided to Frontier.

“Resale Services” is as defined in Section 10.1.

“Resale Tariff” means individually and collectively the effective tariff or tariffs filed by Ameritech with the Commission that sets forth certain relevant terms and conditions relating to Ameritech's resale of certain local exchange Telecommunications Services within the Territory, including the applicable provisions of MPSC Numbers 20R and 20U.

“Routing Point” means a location which a LEC has designated on its own network as the homing (routing) point for inbound traffic to one or more of its NPA-NXX codes. The Routing Point is also used to calculate mileage measurements for the distance-sensitive transport element charges of Switched Exchange Access Services. Pursuant to Bellcore Practice BR 795-100-100 (the **“RP Practice”**), the Routing Point (referred to as the **“Rating Point”** in such RP Practice) may be an End Office Switch location, or a **“LEC Consortium Point of Interconnection”**. Pursuant to such RP

Practice, each **“LEC Consortium Point of Interconnection”** shall be designated by a common language location identifier (CLLI) code with (x)KD in positions 9, 10 and 11, where (x) may be any alphanumeric A-Z or 0-9. The Routing Point must be located within the LATA in which the corresponding NPA-NXX is located. However, Routing Points associated with each NPA-NXX need not be the same as the corresponding Rate Center, nor must there be a unique and separate Routing Point corresponding to each unique and separate Rate Center; provided only that the Routing Point associated with a given NPA-NXX must be located in the same LATA as the Rate Center associated with the NPA-NXX.

“Selective Routing” or **“SR”** means an E9-1-1 feature that routes an E9-1-1 call from a Control Office to the designated Primary PSAP based upon the identified number of the calling party.

“Service Agency” means the public agency, the State or any local government unit or special purpose district which has the authority to provide police, fire fighting, medical or other emergency services, which has requested the local telephone company to provide an E9-1-1 Telecommunications Service for the purpose of voice-reporting emergencies by the public.

“Service Control Point” or **“SCP”** is As Defined in the Act.

“Service Line” means a telecommunications link from the Central Office terminating at the PSAP.

“Service Start Date” means the later of the following: (i) the date after which Frontier has been certified as a LEC by the Commission and is authorized in the state of Michigan to provide the local Telephone Exchange Services contemplated under this Agreement (ii) the date Frontier has completed and delivered to Ameritech the Resale Implementation Questionnaire and Ameritech has populated its billing systems with the information contained therein and (iii) the date on which the Parties mutually agree that Ameritech shall begin to provision services in accordance with the terms and conditions of this Agreement or (iv) the date on which (x) the Commission approves this Agreement under Section 252(e) of the Act or (y) absent such Commission approval, this Agreement is deemed approved under 252(e)(4) of the Act.

“Signaling End Point” or **“SEP”** means a signaling point, other than an STP, which serves as a source or a repository for CCIS messages.

“Signal Transfer Point” or **“STP”** is As Defined in the Act.

“Sunsetted Services” is as defined in Section 10.3.2.

“Switched Access Detail Usage Data” means a category 1101XX record as defined in the EMR Bellcore Practice BR 010-200-010.

“Switched Access Summary Usage Data” means a category 1150XX record as defined in the EMR Bellcore Practice BR 010-200-010.

“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: Feature Group A, Feature Group B, Feature Group D, 800/888 access, and 900 access and their successors or similar Switched Exchange Access Services.

“Synchronous Optical Network” or **“SONET”** means 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 Gpbs.

“Technical Reference Schedule” is the list of technical references set forth in **Schedule 2.3**.

“technically feasible point” is As Described in the Act.

“Telecommunications” is As Defined in the Act.

“Telecommunications Act” means the Telecommunications Act of 1996 and any rules and regulations promulgated thereunder.

“Telecommunications Assistance Program” means any means-tested or subsidized Telecommunications Service offering, including Lifeline, that is offered only to a specific category of subscribers.

“Telecommunications Carrier” is As Defined in the Act.

“Telecommunications Service” is As Defined in the Act.

“Telephone Exchange Service” is As Defined in the Act.

“Telephone Relay Service” means a service provided to speech and hearing-impaired callers that enables such callers to type a message into a telephone set equipped with a keypad and message screen and to have a live operator read the message to a recipient and to type message recipient's response to the speech or hearing-impaired caller.

“Telephone Toll Service” is As Defined in the Act.

“Unauthorized Switching” is as defined in **Section 10.11.2(a)**.

“Virtual Collocation” is As Defined in the Act.

“White Pages Directories” means directories or the portion of co-bound directories which include a list in alphabetical order by name of the telephone numbers and addresses of telecommunication company customers.

**SCHEDULE 2.1
IMPLEMENTATION SCHEDULE
Michigan**

1. Interconnection

||

LATA	Ameritech Interconnection Central Office (AICO)	Frontier Interconnection Central Office (RICO)	Interconnection Activation Date
-------------	--	---	--

||

[To be completed at a later date.]

2. Access to unbundled Network Elements.

SCHEDULE 2.2

BONA FIDE REQUEST

1. Ameritech shall promptly consider and analyze the submission of a Bona Fide Request that Ameritech provide: (a) Interconnection or access to an unbundled Network Element not otherwise provided hereunder at the time of such request; or (b) a customized service for features, capabilities, functionalities of an unbundled Network Element not otherwise provided hereunder at the time of such request.

2. A Bona Fide Request shall be submitted in writing and shall include a technical description of each requested Interconnection, Network Element and/or customized feature, capability or functionality.

3. Within five (5) Business Days of its receipt, Ameritech shall acknowledge receipt of the Bona Fide Request.

4. Within thirty (30) days of its receipt of a Bona Fide Request, Ameritech shall provide to Frontier a preliminary analysis of such Interconnection, access to such Network Element or customized feature, capability or functionality that is the subject of the Bona Fide Request. The preliminary analysis shall confirm that Ameritech will either offer access to the Interconnection, Network Element or customized service or will provide a detailed explanation that access to such Interconnection, Network Element or customized service is not technically feasible and/or that the request is not required to be provided under the Act. If Ameritech determines that the requested Interconnection, access to the Network Element or customized service that is the subject of the Bona Fide Request is technically feasible and is otherwise required to be provided under the Act, Ameritech shall provide Frontier a firm price quote and availability date for such development (“**Bona Fide Request Quote**”). For Bona Fide Requests that involve individual customer arrangements that do not require alterations not otherwise performed for individual customer arrangements for Ameritech retail customers, Ameritech shall provide a Bona Fide Request Quote within such thirty (30)-day period. For all other Bona Fide Requests, Ameritech shall provide a Bona Fide Request Quote as soon as feasible, but in any event not more than one hundred twenty (120) days from the date Ameritech received such Bona Fide Request.

5. Within thirty (30) days of its receipt of the Bona Fide Request Quote, the Frontier must either confirm its order pursuant to the Bona Fide Request Quote or, if it believes such quote is inconsistent with the requirements of the Act, exercise its rights under **Section 28.3**.

6. When submitting a Bona Fide Request, Frontier has two options to compensate Ameritech for its costs incurred to complete the preliminary analysis of the Bona Fide Request during the thirty (30) day analysis period. Frontier may either:

- (a). Include a \$2,000 deposit to cover Ameritech's preliminary evaluation costs and Ameritech will guarantee that the preliminary evaluation costs incurred during the thirty (30) day analysis period will not exceed \$2,000, or
- (b). Not make any deposit and pay the total preliminary evaluation costs incurred by Ameritech during the thirty (30) day analysis period.

Should Ameritech not be able to process the Bona Fide Request or determine that the request does not qualify for Bona Fide Request treatment, Ameritech will return the \$2,000 deposit to Frontier. Similarly, if the costs incurred to complete the preliminary analysis are less than \$2,000, the balance of the deposit will, at the option of Frontier, either be refunded or credited toward additional development costs authorized by Frontier.

7. Frontier may cancel a Bona Fide Request at any time, but shall pay Ameritech's reasonable and demonstrable costs of processing and/or implementing the Bona Fide Request up to the date of cancellation.

8. Unless Frontier agrees otherwise, all prices shall be consistent with the pricing principles of the Act, FCC and/or the Commission.

9. 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, such Party may exercise its rights under **Section 28.3**.

SCHEDULE 2.3

TECHNICAL REFERENCE SCHEDULE

Unbundled Network Elements

Unbundled Loop Transmission

Bellcore TA-NWT-000393
ANSI T1.413-1995 Specifications
AM TR-TMO-000122
AM TR-TMO-000123
Bellcore TR-NWT-000393
ANSI T1.102-1993, American National Standard for Telecommunication - Digital Hierarchy
- Electrical Interfaces
Bellcore Technical Requirement TR-NWT-000499, Issue 5, December 1993, section 7
ANSI T1.413-1995
ANSI T1E1 Committee Technical report Number 28

Local Switching

Bellcore FR-NWT-000064 (Local Switching Systems General Requirements)
Bellcore GR-1432-CORE (TCAP)
Bellcore GR-905-CORE (ISUP)
Bellcore GR-1429-CORE (Call Management)
Bellcore GR-1357-CORE (Switched Fractional DS1)
Bellcore GR-1428-CORE (Toll Free Service)
Bellcore GR-1597-CORE (Calling Name)
Bellcore GR-954-CORE (Line Information Database)
Bellcore GR-2863-CORE (Advanced Intelligent Network)
GR-1298-CORE, AIN Switching System Generic Requirements
GR-1299-CORE, AIN Switch-Service Control Point (SCP)/Adjunct Interface Generic
Requirements
TR-NWT-001284, AIN 0.1 Switching System Generic Requirements
SR-NWT-002247, AIN Release 1 Update
ANSI standards Q.931, Q.932
Bellcore TR-NWT-08
Bellcore TR-NWT-303
TR-NWT-000393, January 1991, Generic Requirements for ISDN Basic Access Digital
Subscriber Lines
Bellcore TR-NWT-303

Interoffice Transmission Facilities

AM TR-NIS-000111

AM RT-NIS 000133

ANSI T1.101-1994, American National Standard for Telecommunications -Synchronization Interface Standard Performance and Availability

ANSI T1.102-1993, American National Standard for Telecommunications - Digital Hierarchy - Electrical Interfaces

ANSI T1.105-1995, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Basic Description including Multiplex Structure, Rates and Formats

ANSI T1.105.01-1995, American National Standard for Telecommunications -Synchronous Optical Network (SONET) - Automatic Protection Switching

ANSI T1.105.02-1995, American National Standard for Telecommunications -Synchronous Optical Network (SONET) - Payload Mappings

ANSI T1.105.03-1994, American National Standard for Telecommunications -Synchronous Optical Network (SONET) - Jitter at Network Interfaces

ANSI T1.105.03a-1995, American National Standard for Telecommunications -Synchronous Optical Network (SONET): Jitter at Network Interfaces - DS1 Supplement

ANSI T1.105.04-1995, American National Standard for Telecommunications -Synchronous Optical Network (SONET) - Data Communication Channel Protocols and Architectures

ANSI T1.105.05-1994, American National Standard for Telecommunications -Synchronous Optical Network (SONET) - Tandem Connection

ANSI T1.106-1988, American National Standard for Telecommunications - Digital Hierarchy - Optical Interface Specifications (Single Mode)

ANSI T1.107-1988, American National Standard for Telecommunications - Digital Hierarchy - Formats Specifications

ANSI T1.107a-1990, American National Standard for Telecommunications - Digital Hierarchy - Supplement to Formats Specifications (DS3 Format Applications)

ANSI T1.107b-1991, American National Standard for Telecommunications - Digital Hierarchy - Supplement to Formats Specifications

ANSI T1.117-1991, American National Standard for Telecommunications - Digital Hierarchy - Optical Interface Specifications (SONET) (Single Mode - Short Reach)

ANSI T1.119-1994, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Operations, Administration, Maintenance, and Provisioning (OAM&P) Communications

ANSI T1.119.01-1995, American National Standard for Telecommunications -Synchronous Optical Network (SONET) - Operations, Administration, Maintenance, and Provisioning (OAM&P) Communications Protection Switching Fragment

ANSI T1.119.02-199x, American National Standard for Telecommunications -Synchronous Optical Network (SONET) - Operations, Administration, Maintenance, and Provisioning (OAM&P) Communications Performance Monitoring Fragment

ANSI T1.231-1993, American National Standard for Telecommunications - Digital Hierarchy - Layer 1 In-Service Digital Transmission performance monitoring
ANSI T1.403-1989, Carrier to Customer Installation, DS1 Metallic Interface Specification
ANSI T1.404-1994, Network-to-Customer Installation - DS3 Metallic Interface Specification
Bellcore FR-440 and TR-NWT-000499, Transport Systems Generic Requirements (TSGR): Common Requirements
Bellcore GR-820-CORE, Generic Transmission Surveillance: DS1 & DS3 Performance
Bellcore GR-253-CORE, Synchronous Optical Network Systems (SONET); Common Generic Criteria
Bellcore TR-NWT 000507, Transmission, Section 7, Issue 5 (Bellcore, December 1993). (A module of LSSGR, FR-NWT-000064.)
Bellcore TR-NWT-000776, Network Interface Description for ISDN Customer Access
Bellcore TR-INS-000342, High-Capacity Digital Special Access Service-Transmission Parameter Limits and Interface Combinations, Issue 1, February 1991

Signaling Transfer Points (STPs)

ANSI T1.111.2
ANSI T1.111.3
ANSI T1.111.4
ANSI T1.112
ANSI T1.112.4
ANSI T1.118
ANSI T1.111.6
ANSI T1.112.5
GR-2863-CORE, CCS Network Interface Specification Supporting Advanced Intelligent Network (AIN)
GR-2902-CORE, CCS Network Interface Specification (CCSNIS) Supporting Toll-Free Service Using Advanced Intelligent Network (AIN)
Bellcore GR-905-CORE, Common Channel Signaling Network Interface Specification (CCSNIS) Supporting Network Interconnection, Message Transfer Part (MTP), and Integrated Services Digital Network User Part (ISDNUP)
Bellcore GR-1432-CORE, CCS Network Interface Specification (CCSNIS) Supporting Signaling Connection Control Part (SCCP) and Transaction Capabilities Application Part (TCAP)
ANSI T1.111-1992, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Message Transfer Part (MTP)
ANSI T1.111A-1994, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Message Transfer Part (MTP) Supplement
ANSI T1.112-1992, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Signaling Connection Control Part (SCCP)

ANSI T1.115-1990, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Monitoring and Measurements for Networks
ANSI T1.116-1990, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Operations, Maintenance and Administration Part (OMAP)
ANSI T1.118-1992, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Intermediate Signaling Network Identification (ISNI)
Bellcore GR-905-CORE, Common Channel Signaling Network Interface Specification (CCSNIS) Supporting Network Interconnection, Message Transfer Part (MTP), and Integrated Services Digital Network User Part (ISDNUP)
Bellcore GR-1432-CORE, CCS Network Interface Specification (CCSNIS) Supporting Signaling Connection Control Part (SCCP) and Transaction Capabilities Application Part (TCAP)

Service Control Points (SCPs)/Call-Related Databases

SR-TSV-002275 (BOC Notes on the Ameritech Networks, SR-TSV-002275, Issue 2 (Bellcore, April 1994))
GR-246-CORE, Bell Communications Research Specification of Signaling System Number 7, ISSUE 1 (Bellcore, December 1995)
GR-1432-CORE, CCS Network Interface Specification (CCSNIS) Supporting Signaling Connection Control Part (SCCP) and Transaction Capabilities Application Part (TCAP). (Bellcore, March 1994)
GR-954-CORE, CCS Network Interface Specification (CCSNIS) Supporting Line Information Database (LIDB) Service 6, Issue 1, Rev. 1 (Bellcore, October 1995)
GR-1149-CORE, OSSGR Section 10: System Interfaces, Issue 1 (Bellcore, October 1995) (Replaces TR-NWT-001149)
GR-1158-CORE, OSSGR Section 22.3: Line Information Database 6, Issue (Bellcore, October 1995)
GR-1428-CORE, CCS Network Interface Specification (CCSNIS) Supporting Toll Free Service (Bellcore, May 1995)
BOC Notes on Ameritech Networks, SR-TSV-002275, ISSUE 2 (Bellcore, April 1994)
GR-1280-CORE, AIN Service Control Point (SCP) Generic Requirements

Tandem Switching

Bellcore TR-TSY-000540, Issue 2R2, Tandem Supplement, 6/1/90
GR-905-CORE
GR-1429-CORE
GR-2863-CORE
GR-2902-CORE

Performance Standards

Bellcore FR-64, LATA Switching Systems Generic Requirements (LSSGR)
Bellcore TR-NWT-000499, Issue 5, Rev 1, April 1992, Transport Systems Generic Requirements (TSGR): Common Requirements
Bellcore TR-NWT-000418, Issue 2, December 1992, Generic Reliability Assurance Requirements For Fiber Optic Transport Systems
Bellcore TR-NWT-000057, Issue 2, January 1993, Functional Criteria for Digital Loop Carriers Systems
Bellcore TR-NWT-000507, Issue 5, December 1993, LSSGR - Transmission, Section 7
Bellcore TR-TSY-000511, Issue 2, July 1987, Service Standards, a Module (Section 11) of LATA Switching Systems Generic Requirements (LSSGR, FR-NWT-000064)
Bellcore TR-NWT-000393, January 1991, Generic Requirements for ISDN Basic Access Digital Subscriber Lines
Bellcore TR-NWT-000909, December 1991, Generic Requirements and Objectives for Fiber In The Loop Systems
Bellcore TR-NWT-000505, Issue 3 , May 1991, LSSGR Section 5, Call Processing
Bellcore LSSGR TR-TSY-000511
Bellcore TR-NWT-001244, Clocks for the Synchronized Network: Common Generic Criteria
ANSI T1.105-1995

Network Interface Device

Bellcore Technical Advisory TA-TSY-000120, “Customer Premises or Network Ground Wire”
Bellcore Generic Requirement GR-49-CORE, “Generic Requirements for Outdoor Telephone Network Interface Devices”
Bellcore Technical Requirement TR-NWT-00239, “Indoor Telephone Network Interfaces”
Bellcore Technical Requirement TR-NWT-000937, “Generic Requirements for Outdoor and Indoor Building Entrance”

Interconnection

Trunking Interconnection

GR-317-CORE, Switching System generic requirements for Call Control Using the Integrated Services Digital Network User Part (ISDNUP), Bellcore, February, 1994
GR-394-CORE, Switching System generic requirements for Interexchange Carrier Interconnection Using the Integrated Services Digital Network User Part (ISDNUP), Bellcore, February, 1994
FR-NWT-000064, LATA Switching Systems Generic Requirements (LSSGR), Bellcore, 1994 Edition
ANSI T1.111
ANSI T1.112

ANSI T1.113

Bellcore GR-905-CORE, Common Channel Signaling Network Interface Specification (CCSNIS) Supporting Network Interconnection, Message Transfer Part (MTP), and Integrated Services Digital Network User Part (ISDNUP)

Bellcore GR-1428-CORE, CCS Network Interface Specification (CCSNIS) Supporting Toll-Free Service

Bellcore GR-1429-CORE, CCS Network Interface Specification (CCSNIS) Supporting Call Management Services

Bellcore GR-1432-CORE, CCS Network Interface Specification (CCSNIS) Supporting Signaling Connection Control Part (SCCP) and Transaction Capabilities Application Part (TCAP)

ANSI T1.110-1992, American National Standard Telecommunications - Signaling System Number 7 (SS7) - General Information;

ANSI T1.111-1992, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Message Transfer Part (MTP)

ANSI T1.111A-1994, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Message Transfer Part (MTP) Supplement

ANSI T1.112-1992, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Signaling Connection Control Part (SCCP)

ANSI T1.113-1995, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Integrated Services Digital Network (ISDN) User Part

ANSI T1.114-1992, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Transaction Capabilities Application Part (TCAP)

ANSI T1.115-1990, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Monitoring and Measurements for Networks

ANSI T1.116-1990, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Operations, Maintenance and Administration Part (OMAP)

ANSI T1.118-1992, American National Standard for Telecommunications - Signaling System Number 7 (SS7) - Intermediate Signaling Network Identification (ISNI)

Bellcore GR-905-CORE, Common Channel Signaling Network Interface Specification (CCSNIS) Supporting Network Interconnection, Message Transfer Part (MTP), and Integrated Services Digital Network User Part (ISDNUP)

Bellcore GR-954-CORE, CCS Network Interface Specification (CCSNIS) Supporting Line Information Database (LIDB) Service

Bellcore Special Report SR-TSV-002275, BOC Notes on the LEC Networks-Signaling

Ameritech Supplement AM-TR-OAT-000069, Common Channel Signaling Network Interface Specifications

Bellcore Standard FR-NWT-000476

ANSI Standard T1.206

Electrical/Optical Interfaces

Bellcore Technical Publication TR-INS-000342, High Capacity Digital Special Access Service, Transmission Parameter Limits and Interface Combinations;
Ameritech Technical Publication TR-NIS-000111, Ameritech 0C3, 0C12 and 0C48 Service Interface Specifications; and
Ameritech Technical Publication AM-TR-NIS-000133, Ameritech 0C3, 0C12 and 0C48 Dedicated Ring Service Interface Specifications.

Collocation

Bellcore Network Equipment Building Systems (NEBS) standards TR-EOP-000063
National Electrical Code (NEC) use latest issue
TA-NPL-000286, NEBS Generic Engineering Requirements for System Assembly and Cable Distribution, Issue 2 (Bellcore, January 1989)
TR-EOP-000063, Network Equipment-Building System (NEBS) Generic Equipment Requirements, Issue 3, March 1988
TR-NWT-000840, Supplier Support Generic Requirements (SSGR), (A Module of LSSGR, FR-NWT-000064), Issue 1 (Bellcore, December 1991)
TR-NWT-001275 Central Office Environment Installations/Removal Generic Requirements, Issue 1, January 1993
Institute of Electrical and Electronics Engineers (IEEE) Standard 383, IEEE Standard for Type Test of Class 1 E Electrical Cables, Field Splices, and Connections for Nuclear Power Generating Stations
National Electrical Code (NEC) use latest issue
TA-NPL-000286, NEBS Generic Engineering Requirements for System Assembly and Cable Distribution, Issue 2 (Bellcore, January 1989)
TR-EOP-000063, Network Equipment-Building System (NEBS) Generic Equipment Requirements, Issue 3, March 1988
TR-EOP-000151, Generic Requirements for 24-, 48-, 130- and 140- Volt Central Office Power Plant Rectifiers, Issue 1 (Bellcore, May 1985)
TR-EOP-000232, General Requirements for Lead-Acid Storage Batteries, Issue 1 (Bellcore, June 1985)
TR-NWT-000154, General Requirements for 24-, 48-, 130-, and 140- Volt Central Office Power Plant Control and Distribution Equipment, Issue 2 (Bellcore, January 1992)
TR-NWT-000295, Isolated Ground Planes: Definition and Application to Telephone Central Offices, Issue 2 (Bellcore, July 1992)
TR-NWT-000840, Supplier Support Generic Requirements (SSGR), (A Module of LSSGR, FR-NWT-000064), Issue 1 (Bellcore, December 1991)
TR-NWT-001275, Central Office Environment Installations/Removal Generic Requirements, Issue 1, January 1993
Underwriters' Laboratories Standard, UL 94

SCHEDULE 3.8

AMERITECH INTERCONNECTION PERFORMANCE BENCHMARKS

1.0 Trunk Provisioning Intervals

1.1	Number of End Office <u>Trunks Per Order Per Day</u>	<u>Interval</u>
	1-48	14 days
	49-96	15 days
	97 +	Negotiated
1.2	<u>New Trunk Groups to Tandem(s)</u>	Negotiated

2.0 Trunking Grade of Service

Blocking Standards

	<u>Traffic Type</u>	<u>Measurement</u>
	Exchange Access Final Trunk Group Traffic via Tandems	½ of 1% (0.005)
	All Other Final Trunk Group Traffic	1% (0.01)

3.0 Trunk Restoral

	<u>Type of Outage</u>	<u>Interval</u>
	Service Affecting	within 1 hour
	Non-Service Affecting	within 24 hours

The Parties agree that additional Interconnection Performance Benchmarks may be agreed upon by the Implementation Team. However, if any additional Interconnection Performance Benchmarks require a Party to maintain records which it then does not maintain, the Party requesting such new or additional benchmarks shall utilize the Bona Fide Request process to request that the other Party provide such records.

SCHEDULE 6.0

MEET-POINT BILLING RATE STRUCTURE

A. Interstate access - Terminating to or originating from Frontier Customers served from a Frontier local exchange End Office.

Rate Element	Billing	Company
CCL		Frontier
Local Switching		Frontier
Interconnection Charge		Frontier
Local Transport (Tandem) Termination		50% Ameritech/ 50% Frontier
Local Transport (Tandem) Facility		This will be calculated in accordance with MECAB standards, based on applicable V&H coordinates to calculate billing percentages to be applied to the respective Parties' tariffed rates
Tandem Switching		Ameritech
Entrance Facility		Ameritech

B. Intrastate access - Terminating to or originating from Frontier Customers served from a Frontier local exchange End Office.

Rate Element	Billing	Company
CCL		Frontier
Local Switching		Frontier
Interconnection Charge		Frontier
Local Transport (Tandem) Termination		50% Ameritech/ 50% Frontier

Local Transport (Tandem) Facility

This will be calculated in accordance with MECAB standards, based on applicable V&H coordinates to calculate billing percentages to be applied to the respective Parties' tariffed rates

SCHEDULE 7.1

BILLING AND COLLECTION SERVICES FOR ANCILLARY SERVICES

Please initial one:

_____ Frontier elects not to be responsible for Ancillary Services Traffic. If Frontier's Customer utilizes resold lines, Frontier shall be solely responsible for ordering blocking of such traffic on a per line basis when Frontier submits an order. If Frontier's Customer utilizes Unbundled Local Switching ("ULS"), Frontier shall request blocking when Frontier submits its order for ULS. Frontier shall indemnify and hold Ameritech harmless from any Losses arising out of Frontier's failure to order blocking for resold lines.

_____ Frontier shall be responsible for Ancillary Service Traffic and agrees to comply with the remaining terms and conditions in this **Schedule 7.1**.

1.0 DEFINITIONS

"555" is a service in which Providers offer information services for a fee to Callers who dial a number using the "555" prefix.

"976" is a service in which Providers offer audio services for a fee to Callers who dial a number using the "976" prefix.

"Abbreviated Dialing" is a service in which Providers offer information services for a fee to Callers who dial a telephone number with less than seven digits.

"Ancillary Services" include Abbreviated Dialing, 555 services, 976 services, CPP Cellular services and CPP Paging services.

"Caller" is the individual or entity placing a call to an Ancillary Service and who thereby agree to pay a charge associated with placing the call.

"Calling Party Pays Cellular" or "CPP Cellular" is a service where a Caller placing a call to a cellular telephone agrees to pay the charges for the call. Typically, an announcement is played to the Caller giving the Caller the option to accept the charges or to end the call without incurring charges.

"Calling Party Pays Paging" or "CPP Paging" is a service where a Caller placing a call to a pager agrees to pay the charges for the call. Typically, an announcement is played to the

Caller giving the Caller the option to accept the charges or to end the call without incurring charges.

“Provider” is the entity which offers an Ancillary Service to a Caller.

2.0 BILLING AND COLLECTION SERVICES

2.1 Billing Services

Ameritech will provide Frontier with formatted records for each Ancillary Service billable call in accordance with each Provider’s requested rates as specified **in Exhibit A**. Frontier shall confirm receipt of such formatted records within twenty-four (24) hours of receipt. Frontier will render bills on behalf of Ameritech on Frontier’s bills to Frontier’s Customers in accordance with standard Frontier’s billing processes and in the format specified in Exhibit B (“Bill Displays”). Frontier must bill for all calls using the Ancillary Services when those calls are contained on the formatted records. Frontier shall bill all calls within thirty (30) days of receiving the tape.

Frontier must comply with all federal and state requirements applicable to the provision of the Billing Services.

Frontier will provide Billing and Collection Services to Ameritech for the Ancillary Services described in this Agreement and for additional Ancillary Services that may be developed during the term of this Agreement.

2.2 Collection Services

Frontier will provide collection services in connection with bills rendered by Frontier (“Collection Services”). These Collection Services consist of:

- Collecting payments remitted by Frontier’s Customers for calls placed to Ancillary Services billed hereunder;
- Adjusting Customer bills for Ameritech as set forth in Paragraph 6.0 of this **Schedule 7.1**,
- Responding to Customer inquiries and disputes;
- Remitting net proceeds to Ameritech, as provided in Paragraph 5.0 of this **Schedule 7.1**,
- Undertaking preliminary collection activity for delinquent accounts.

When an account being treated for collection by Frontier remains delinquent in excess of thirty (30) days, or in the event telephone service to a delinquent account is terminated, Frontier may, at its sole discretion, adjust the amount due or declare the account uncollectible and remove the delinquent amount from its Customer’s bill.

2.3 Administration.

Attached as **Exhibit C** is a description of the process flow, record types, and report format for the Settlement process under this **Schedule 7.1**.

3.0 COMPENSATION TO FRONTIER TELEMAGEMENT, INC.

Ameritech shall pay for the Billing and Collection Services described herein at the rates set forth in Exhibit D.

4.0 CHANGES TO PROVIDER'S SERVICES AND RATES

The amount which a Provider elects to charge those who place calls to an Ancillary Service will be at Provider's sole discretion. Ameritech shall provide to Frontier information concerning Provider's programs, including but not limited to Provider's name, rates, type of program and tax status. This information shall be provided as described in **Exhibit E**. Requesting's Customers who place calls to a Provider's service will be invoiced monthly for all billable Ancillary calls submitted by Ameritech. The charges for such submitted billable Ancillary Service calls will be shown on the Caller's bill in the format specified in **Exhibit B**.

5.0 SETTLEMENT WITH FRONTIER TELEMAGEMENT SERVICES, INC.

The amount due to Ameritech shall be the total of all billable charges submitted to Frontier, less:

- a. All charges due Frontier under Section 3.0 of this **Schedule 7.1**;
- b. Amounts declared uncollectible as provided in Section 7.0 of this **Schedule 7.1**;
- c. Adjustments as provided in Section 6.0 of this **Schedule 7.1**;
- d. Taxes collected from end user.

Frontier shall provide Ameritech with monthly reports of amounts billed, amounts collected, amounts adjusted, uncollectible amounts and end user taxes by taxing authority and by Provider including the program number and the amount of taxes applied to the services, as described in **Exhibit C**. The monthly statement is due to Ameritech by the fifth Business Day of every month. Payment amounts owed to Ameritech by Frontier shall be due within thirty (30) days from the date of the monthly report. Late charges on past due amounts shall accrue interest at the rate set forth in **Section 11.6** of this Agreement.

Upon termination of this Agreement for any reason, all sums due to Ameritech hereunder shall be immediately due and payable.

6.0 ADJUSTMENTS

Frontier may remove a disputed charge from a Customer's account within sixty (60) days from the date of the message; provided that notice of the adjustment is given by Frontier to Ameritech within (60) days from the date of the message. The form and procedure of this notice is specified in **Exhibit F**.

7.0 UNCOLLECTIBLES

Frontier may recourse to Ameritech an actual uncollectible amount from a Customer's account; provided that notice of the recourse of the uncollectible amount is given by Frontier to Ameritech within one-hundred twenty (120) days from the date of the message. The form and procedure of this notice is specified in **Exhibit F**.

8.0 TAXES

8.1 Taxes Imposed on Services Performed by Reseller. Frontier shall be responsible for payment of all sales, use or other taxes of a similar nature, including interest and penalties, imposed on Frontier's performance of Billing Services and Collection Services under this Agreement.

8.2 Taxes on Ancillary Services. Frontier shall be responsible for applying taxes as determined by Provider for all Ancillary messages billed hereunder as specified in Exhibit E. Each Provider shall be responsible for determining what taxes apply to the service it provides and for notifying Ameritech of those taxes. Ameritech shall notify Frontier of this information and pursuant to this Agreement Frontier shall bill and collect such taxes based on information supplied by Provider and shall remit such taxes to Ameritech. Frontier shall identify the amount of taxes and type of taxes, by Provider. Ameritech shall then remit such collected taxes to the Provider. Provider shall remit any taxes it owes to the taxing authority.

9.0 BLOCKING

Frontier shall comply with all federal and state requirements to block Customer access to Ancillary Services upon Customer's request. Frontier shall also block Customer access to Ancillary Services upon Ameritech's request, as set forth in the Guidelines.

EXHIBIT A
Daily Usage Information

Ameritech will send daily usage tapes, in EMR standard format, to Reseller containing the following message information for services specified in this agreement:

- date of the call
- calling number
- called number
- duration of call
- charge for the call excluding taxes
- identity of Provider (IP's Pseudo CIC Code as shown on the EMR record, in the CIC Code field, positions 166 and 150-153)

EXHIBIT B
General Guidelines and Bill Displays

General Guidelines:

- (1) Per regulatory guidelines, Provider's itemized call detail need to appear on a separate section or separate page of end user's bill.
- (2) Adjustments must be shown on the end user's bill. Adjustments may be shown as individual line items or as a total adjustment amount.
- (3) The adjustment phrase on the user's bill will read:

976 Information Provider Adj.
Adjustments CPP/C
Adjustments CPP/P
- (4) See Bill Displays on pages 7.1 Ex. B-2 and 7.1, Ex. B-3.

EXHIBIT B
976 Bill Display

(1)

IMPORTANT INFORMATION

Charges for 976 messages are for non-telecommunication services. You have 60 days of this bill to dispute a billing error. You also have the right to withhold payment of the disputed charges during the billing error review. No collection activity for disputed charges will occur while the charges are under investigation. Your local and long distance service cannot be disconnected for non-payment of 976 charges. After investigation if it is determined that the disputed charges are legitimate, the Information Provider may proceed with outside collections against your account. Failure to pay legitimate 900 charges may result in involuntary blocking of access to 976 services.

Voluntary blocking of access to 976 services is available upon request from your local Exchange Provider.

(2) No.	(3) Date	(4) Time	(5) Place Called	(6) Number	(7) Code	(8) Min	(9) Amount
976 Calls - (See "Important Information")							
1	5-27	924A	WEATHER IL	312 976 1212		1	.65
2	6-16	1040P	RACINGXTRA IL	312 976 2222		2	1.70
3	6-16	1042P	RACINGXTRA IL	312 976 2222		1	.85
4	6-16	1055P	SPORTSPHN IL	312 976 1313		1	.85
5	6-16	1056P	RACINGXTRA IL	312 976 2222		1	.85
6	6-16	1056P	SPORTSPHN IL	312 976 1313		1	.85
7	6-16	1057P	WEATHER IL	312 976 1212		1	.85
8	6-16	1105P	RACINGXTRA IL	312 976 2222		1	.85
(10) Total 976 Calls							7.65
(11) 976 Information Provider Adj.							0.00

||LEGEND:

- | | |
|--|--|
| (1) Important Information = End User's rights for Pay-Per-Call Services. | (7) Code = Not applicable |
| (2) No. = Message Number | (8) MIN. = Length of call in minutes |
| (3) Date = Date of message | (9) Amount = Amount of the Call (rate on daily usage feed) |
| (4) Time = Time of the call | (10) Total 976 Calls = Total Amount due for all 976 calls |
| (5) Place called = Name of 976 Program | (11) Adjustments = Adjustments per line item or total adjustment amount. |
| (6) Number = Telephone Number of 976 Program | |

EXHIBIT B
CPP Cellular and CPP Bill Display

(1) No.	(2) Date	(3) Time	(4) Place Called	(5) Number	(6) Code	(7) Min	(8) Amount
CALLS TO PAGING NETWORK, INC.							
1	12-1	1028A	MOBILE USE CH	312 000 0002	AD	1	.25
2	12-1	1029A	MOBILE USE CH	312 000 0002	AD	1	.25
3	12-1	1029A	MOBILE USE CH	312 000 1234	AD	4	1.00
Subtotal						1.50	
CALLS TO FREEDOM PAGE							
9	12-1	1028A	MOBILE USE CH	312 000 0001	AD	1	.25
10	12-1	1029A	MOBILE USE CH	630 000 1234	AD	1	.25
11	12-1	1029A	MOBLE USE CH	312 000 0001	AD	1	.25
12	12-2	1028A	MOBILE USE CH	312 000 0001	AE	1	.25
(9) Subtotal						1.00	
CALLS TO AMERITECH CELLULAR							
15	12-1	1028A	MOBILE USE CH	708 000 2468	AD	1	.20
16	12-1	1028A	MOBILE USE CH	708 000 1357	AD	1	.20
17	12-1	1028A	MOBILE USE CH	312 000 0009	AD	11	2.20
CALLS TO CELLULAR ONE							
25	12-2	1046A	MOBILE USE CH	312 000 6779	AE	1	.40
26	12-3	1047A	MOBILE USE CH	312 000 6779	AE	3	1.20
Subtotal						1.60	
(10) Total Itemized Calls							6.70
(11) Adjustments CPP/P							0.00
Adjustments CPP/C							0.25

||LEGEND:

- | | |
|--|--|
| (1) No. = Message Number | (7) MIN. = Length of call in units |
| (2) Date = Date of message | (8) Amount = Amount of the Call (rate on daily usage feed) |
| (3) Time = Time of the call | (9) Subtotal = Subtotal Per Provider |
| (4) Place called = MOBILE USE CH | (10) Total Itemized Calls = Total Amount due for all cellular and paging services |
| (5) Number = Called Number | (11) Adjustments = Adjustments per line item or total adjustment amount per service. |
| (6) Code = Code: Time of day
AD = Day
AE = Evening
AN = Night and weekend | |

EXHIBIT C
Settlement Statement Guidelines

- See the 976, CPP/C and CPP/P flow for Resellers
- Separate Settlement Statement required by service type, per state. See Settlement Statement Format on Pages 7 and 8.
- Use Pages 9-14 for data exchange guidelines.
- Use the following information for sending the electronic details, Settlement Statement and payments to Ameritech.

Electronic data:

Arrangements will be worked out with each Reseller based on Reseller's Questionnaire.

Send Settlement Statement to:

AIIIS-Billing Operations
804 N. Milwaukee St. - Third Floor
Milwaukee, WI 53202
Tel: (414) 678-3159
Fax: 1-800-858-6960

Bank information:

Ameritech-Resale Account
P.O. Box 689775
Milwaukee, WI 53268-9775

Wire Transfer information:

Bank-One Milwaukee
Account Number: 020904860
Reference Lockbox Number: 689775
ABA Routing Number: 075000019

In addition, fax a transmittal referencing lockbox number and service type to AIIIS Billing Operations at the address listed above.

**Agreement for the Provision of Billing and
Collection Services for Ancillary Services
Exhibit C**

Error! No topic specified.

976.CPP/C. and CPP/P Flow For Resellers

**EXHIBIT C
Settlement Statement Format**

**RESELLER NAME
PURCHASE OF ACCOUNTS RECEIVABLES STATEMENT-SERVICE TYPE**

CARRIER: Ameritech - IL BILL MONTH: JAN., 1997 PAGE: 1 OF 2 ISSUE DATE: 2/5/97 DUE DATE: 3/5/97		INVOICE NO.: 12345	
1. Total Billed Revenue			
2. Total Billed Taxes	\$1,000.00	\$180.00	
	A. Federal Tax		\$75.00
	Detail by IP		
	IP #1	\$50.00	
	IP #2	\$25.00	
	B. State Taxes		\$40.00
	Detail by IP		
	IP #1	\$30.00	
	IP #2	\$10.00	
	C. Local Taxes		
	Local Tax 1 (Identify Taxing Authority)		
	Detail by IP		
	IP #1	\$10.00	
	IP #2	\$5.00	
	Local Tax 2 (Identify Taxing Authority)		
	IP #1	\$5.00	
	IP #2	\$5.00	
3. Resourced Adjustments/Uncollectibles		\$100.00	\$40.00
	Adjustments		
	Detail by IP		
	IP #1	\$15.00	
	IP #2	\$25.00	\$10.00
	B. Federal Tax		
	Detail by IP		
	IP #1	\$5.00	
	IP #2	\$5.00	
	C. State Taxes		

CARRIER: Ameritech - IL BILL MONTH: JAN., 1997 PAGE: 1 OF 2 ISSUE DATE: 2/5/97 DUE DATE: 3/5/97		INVOICE NO.: 12345	
	Detail by IP		
	IP #1	\$10.00	
	IP #2	\$15.00	\$25.00
	D. Local Taxes		
	Local Tax 1 (Identify Taxing Authority		
	Detail by IP		
	IP #1	\$10.00	
	IP #2	\$5.00	
	Local Tax 2 (Identify Taxing Authority		
	Detail by IP		
	IP #1	\$5.00	
	IP #2	\$5.00	
4. Adjust IP #1			
5. Late P IP #2 \$1,080.00			
6. Net Due (Line 4+5) \$50.00 \$1,130.00			
7. Billing Service Charge (7D*\$.03) (\$295.35)			
		10,000	
	A. Total Messages	(5)	
	B. Duplicate Messages	(150)	
	C. Unbilled Messages	9,845	
8. Total A	D. Actual Messages Billed	\$834.65	

||

LEGEND:

- (1) Carrier = Ameritech - (State), State = IL, IN, MI, OH, WI
- (2) Invoice No. = ?
- (3) IP#N = Information Provider Name

EXHIBIT C
Record Types for Data Exchange

Record Type	CPP	PPP	976
DAILY USAGE TO CLEC	010133	010133	010116
HEADER	202201	202201	202201
TRAILER	202202	202202	202202
BILL REVENUE OR UNBILLABLE USAGE FROM CLEC	010133	010133	010116
HEADER	202203	202203	202203
TRAILER	202204	202204	202204
ADJUSTMENTS/UNCOLLECTIBLES FROM CLEC	450133	450133	4500116
HEADER	202219	202219	202219
TRAILER	202220	202220	202220
TAX SUMMARY FROM CLEC	RITR01	RITR01	RITR01
HEADER	202203	202203	202203
TRAILER	202204	202204	202204

A copy of all messages received by the Reseller from CAMPS for end-user billing of Ancillary Services should be sent to AIIS with the Return Code (pos. 70-71) populated with one of the Bellcore standard values. Some expected values to be used in this case are:

- 00 - no return code; the call was billed to the end-user
- 06 - the end Customer has already been disconnected
- 09 - other; there is no return code to match the reason
- 10 - the Customer does not belong to the CLEC receiving the billing record
- 38 - the Customer has uncollectible final account status
- 39 - duplicate record
- 40-99 represent invalid or unreadable formatting in the records; refer to Bellcore guide (may use 40 for all if guide is unavailable)

EXHIBIT C

Record Types for Data Exchange

Those messages returned with value 00 are expected to have been used in the calculations of the Total Billed Revenue on the Purchase of Accounts Receivable Statements. Those with values greater than 00 are counted on the statements as Unbilled Messages. All messages for all statements for the for a specific Issue Date may be placed in one file with the header and trailer given above unless the file exceeds 100,000 records.

The Reseller must populate these fields in the 202203 and 202219 headers:

- Record ID
- Date Created
- Invoice Number (2-digit sequence number per dataset name for tracking missing files)
- Local IC Info (pos. 40-46) must contain the Reseller's ID:
 - the ACNA in positions 40-42
 - the CIC in positions 43-45
 - space filler in position 46
- Reserved area at positions 123-127 must contain the last five digits of the Invoice Number of the Purchase of Accounts Receivable Statements
- Host Receipt Date (pos. 129-134) must match the issue Date of the Purchase of Accounts Receivable Statements

The Reseller must populate these fields in the 202204 and 202220 trailers.

- Record ID
- Date Created
- Grand Total Count (pos. 111-117) must contain the number of records or messages in the file not including the header or trailer.

Adjustments and Uncollectible billed charges must be returned in record types 450133 and 450116. These are 175 byte records with an added module containing billing name and address information. The following fields must be populated in these records (here we are employing non-standard use of some of the data fields):

- Record ID
- Date Created
 - From Number
- Customer Code (if applicable)
- To Number
 - Customer Code (if applicable)
 - Adjustment Amount (signed decimal field)
 - Connect Time (or original call)
 - Connect Date (of original call; use Date of Record field)
 - Adjustment Reason (extended into from OCN field) as:
 1. Adjustment Reason (pos. 70-71) values

A = adjustments
U = uncollectible/writeoff

2. Adjustment Type (pos. 72-74) values:

CNC = Call not completed
CTO = Cut off
DAK = Denies all knowledge (see Reason Code Modified blow)
INR = Incorrect rate
PTR = Poor transmission
RCG = Rebill
SIA = Uncollectible final bill
TNC = Disputed call duration
WNO = Wrong number reached

3. Adjustment Type Modifier (pos. 75); only used when Adjustment Type is DAK, values

A = Refusal to pay
D = Denies all knowledge - other
E = Duplicate billing
F = Fraud
L = PIC change not authorized
M = Misquoted charges
S = Customer unaware of info service charges
T = Paid directly to provider
U = Misleading advertising, info service
V = Never received info or offering, product damaged or poor quality

- Non-published indicator (use pos. 76 of From OCN field)
 - N = Customer's number is not published
 - P = Customer's number is published
- Billing Number
- Billed Date
- Settlement Period (Issue Date of PAR)
- Indicator 14 should have value of '5' to indicate the existence of Mobile 006-A

- Billing Name and address Module 006-A (starts at position 176) following exhibit C-2
- Ending Module 999-A

Billed and adjusted taxes are to be returned in record types RITR01. (Format TBD)

Billing Name and Address

Module 006-A

001	0		Module ID	X
002	0	Number		
003	6			
004	A	Version		
005	1	Module Length		9
006	3			
007	4			
008	Name/Address Indicator			9
009				
010	Billing Name			X
--				
034				
035	Billing Name/Address			X
--				
059				
060	Billing Name/Address			X
--				
084				
085	Billing Name/Address			X
--				
109				
110	Post Office, State Zip Code			X
--				
134				

Field Characteristics

9 - Numeric

X - Alphanumeric

Module Description

A 134-position module consisting of a 2-digit **Name/Address Indicator**, a 25 position **Billing Name** field, two 25-position **Billing Name/Address** fields, a 25-position **Billing Address** and a 25 position **Post Office, State, ZIP Code** field

This module is designed for use whenever a billing name and address must be associated with a record (e.g., billing name and address associated with a post-billing adjustment).

The content of this module

21 = Name 1, Post Office 5

- 23 = Name 1, Name/Address 2, Name/Address 3, Post Office 5
- 27 = Name 1, Name/Address 2, Name/Address 3, Address 4, Post Office 5
- 37 = Name 1, Name/Address 2, Name/Address 3, Address 4, Post Office 5

NOTE:

Fields not used will be overlaid with next used field. For example, if Name/Address 2, Name/Address 3, and Address 4 are not used, Post Office 5 will be in the second field (Name/Address 2) and the Name/Address Indicator will be set to 21.

The **Name/Address Indicator** is numeric.

The **Billing, Name, Billing Name/Address, Billing Address** and **Post Office, State, Zip Code** fields are to be alphanumeric, left justified, with trailing blanks.

End of Modules

Module 999-A

001	9	Number	Module ID	X
002	9			
003	9			
004	A	Version		

Field Characteristics

- 9 - Numeric
- X - Alphanumeric

Module Description

A 4-position module indicating that there are no more modules appended to this record.

This module must be placed at the end of a record which contains at least one module.

EXHIBIT D
Reseller Compensation

Rate per billed message:

\$0.03

EXHIBIT E
Provider's Information

Initial Notification:

Ameritech will fax a copy of the 976, CPP/C, CPP/P Sponsor and Program List to Reseller within three (3) business days of receiving the following information. Fax completed page to the Resale Service Center at 1-800-260-5480.

Reseller

Contact Name

Fax Number

Pager Number

Address

City/State

Zip Code

NOTE: Call the Resale Service Center at 1-800-924-3666 with questions regarding Sponsors and Program Lists.

Updates:

Ameritech will fax to the Reseller 976, CPP/C, CPP/P Program changes, additions and/or deletions as they become available.

EXHIBIT F
General Information

- Optional Blocking is available to consumer and business Customers that want the capability to block direct calls to Provider's services covered in this Schedule.
- Customers attempting to reach program from accounts where blocking has been established will reach a recording informing them that the call cannot be completed.
- Adjustments - a dollar amount, either partial or full, that is credited to a Customers account. The primary reason for adjustments are typically Customers denying the call was made from their phone.
- Uncollectible - the amount of a callers phone bill that has undeniable charges that have never been paid by the caller. Undeniable charges are determined by the state regulatory commissions and are typically Pay-Per-Call services. When a caller's service is being terminated for non-payment, the Pay-Per-Call charges are written off as uncollectible and passed back to the Information Provider. The remainder of the bill is what must be paid by the caller to reinstate their service.
- Access to 976 service is prohibited by tariff from providing Group Access Bridging (GAB) services whereby a caller can be connected to parties other than the IP for the purpose of establishing a conference call.
- Collect, operator assisted, calling card, and person-to-person calls to 976 are not allowed.
- Collect and person-to-person calls to CPP/C and CPP/P are not allowed.
- Calls from WATS, hotel/motel, Ameritech Public/semi-public telephones and lines with Call Blocking will not be allowed to 976 service.
- 976 Call Blocking should not be added to accounts that have Consumer/Business Toll Restrictions.
- Call Blocking will be provided only where CO facilities permit.
- Call Blocking may not be limited to specific programs.
- Call Blocking does not block calls to other telephone companies' numbers.
- Call Blocking does to block long distance charges.
- Reseller reserve the right to provide to the general public, upon request, the complete name, address, and telephone number of the Information Providers in response to inquiries and comments referring to the Information Provider's service.

- The first time an end user specifically disputes Pay-Per-Call charges, end user must be informed of the availability of Call Blocking and disputed charges are adjusted accordingly on end user's bill. Inform end user that the Information Provider may pursue collection of charges directly with end user.
- After the end user specifically disputes charges, inform end user that mandatory blocking will be established on end user's line and disputed amount is adjusted accordingly on end user's bill. Inform end user that the Information Providers may pursue collection of charges directly with end user.
- Adjustments granted as the result of refusal to pay, denies all knowledge, unsatisfactory payment arrangements, etc., should be classified as an uncollectible adjustment and blocking should be established after second request.
- On the database, call adjustments granted as the result of poor transmission, call not completed or calls completed due to company failure to establish blocking, such as service order issued incorrectly, should be classified as correct charges on the Ameritech entity code (R or NBT).
- **Michigan Only:** Reseller-initiated Blocking can be added or removed as needed. Blocking can remain on the account until adjustments are cleared. There is no time limit on how long blocking can be in effect.
- Blocking must be imposed on those Customers who refuse to pay legitimate Pay-Per-Call charges.

Tandem Switching Ameritech

Entrance Facility Ameritech

SCHEDULE 9.2.1

LOCAL LOOPS

Subject to **Section 1.1** of **Schedule 9.5**, Ameritech shall allow Frontier to access the following Loop types (in addition to those Loops available under applicable tariffs) unbundled from Local Switching and Interoffice Transmission Facilities.

“2-Wire Analog Voice Grade Loop” or **“Analog 2W,”** which supports analog transmission of 300-3000 Hz, repeat loop start, loop reverse battery, or ground start seizure and disconnect in one direction (toward the End Office Switch), and repeat ringing in the other direction (toward the Customer) and terminates in a 2-Wire interface at both the central office MDF and the customer premises. Analog 2W includes Loops sufficient for the provision of PBX trunks, pay telephone lines and electronic key system lines. Analog 2W will be provided in accordance with the specifications, interfaces, and parameters described in Technical Reference AM-TR-TMO-000122, Ameritech Unbundled Analog Loops.

“4-Wire Analog Voice Grade Loop” or **“Analog 4W,”** which supports transmission of voice grade signals using separate transmit and receive paths and terminates in a 4-wire electrical interface at both ends. Analog 4W will be provided in accordance with the specifications, interfaces, and parameters described in Technical Reference AM-TR-TMO-000122, Ameritech Unbundled Analog Loops.

“2-Wire ISDN 160 Kbps Digital Loop” or **“BRI-ISDN”** which supports digital transmission of two 64 Kbps bearer channels and one 16 Kbps data channel (2B+D). BRI-ISDN is a 2B+D Basic Rate Interface-Integrated Services Digital Network (BRI-ISDN) Loop which will meet national ISDN standards and conform to Technical Reference AM-TR-TMO-000123, Ameritech Unbundled Digital Loops (including ISDN).

“2-Wire ADSL-Compatible Loop” or **“ADSL 2W”** is a transmission path which facilitates the transmission of up to a 6 Mbps digital signal downstream (toward the Customer) and up to a 640 Kbps digital signal upstream (away from the Customer) while simultaneously carrying an analog voice signal. An ADSL-2W is provided over a 2-Wire, non-loaded twisted copper pair provisioned using revised resistance design guidelines and meeting ANSI Standard T1.413-1995 and AM TR--TMO-000123. An ADSL-2W terminates in a 2-wire electrical interface at the Customer premises and at the Ameritech Central Office frame. ADSL technology can only be deployed over Loops which extend less than 18 Kft. from Ameritech's Central Office. ADSL compatible Loops are available only where existing copper facilities can meet the ANSI T1.413-1995 specifications.

“2-Wire HDSL-Compatible Loop” or **“HDSL 2W”** is a transmission path which facilitates the transmission of a 768 Kbps digital signal over a 2-Wire, non-loaded twisted copper

pair meeting the specifications in ANSI T1E1 Committee Technical Report Number 28. HDSL compatible Loops are available only where existing copper facilities can meet the T1E1 Technical Report Number 28 and AM-TR-TMO-000123 specifications.

“4-Wire HDSL-Compatible Loop” or “HDSL 4W” is a transmission path which facilitates the transmission of a 1.544 Mbps digital signal over two 2-Wire, non-loaded twisted copper pairs meeting the specifications in ANSI T1E1 Committee Technical Report Number 28 and AM TR-TMO-000123. HDSL compatible Loops are available only where existing copper facilities can meet the T1E1 Technical Report Number 28 specifications.

“4-Wire 64 Kbps Digital Loop” or “4-Wire 64 Digital” is a transmission path which supports transmission of digital signals of up to a maximum binary information rate of 64 Kbps and terminates in a 4-Wire electrical interface at both the Customer premises and on the MDF in Ameritech's Central Office. 4-Wire 64 Digital will be provided in accordance with the specifications, interfaces and parameters described in AM-TR-TMO-000123.

“4-Wire 1.544 Mbps Digital Loop” or “1.544 Mbps Digital” is a transmission path which supports transmission of digital signals of up to a maximum binary information rate of 1.544 Mbps and terminates in a 4-Wire electrical interface at the Customer premises and on the DSX frame in Ameritech's Central Office. 1.544 Mbps Digital will be provided in accordance with the specifications, interfaces and parameters described in AM-TR-TMO-00023.

SCHEDULE 9.2.2

UNBUNDLED ACCESS TO NETWORK INTERFACE DEVICES

Ameritech's Network Interface Device (“**NID**”) is a Network Element that utilizes a cross-connect device to connect loop facilities to inside wiring.

Ameritech will permit Frontier to connect Frontier's loop to the inside wiring of the Customer's premises through Ameritech's NID, where necessary. Frontier must establish the connection to Ameritech's NID through an adjoining NID which serves as the network interface or demarcation for Frontier's loop.

Maintenance and control of premises (inside wiring) is under the control of the Customer. Any conflicts between service providers for access to the Customer's inside wire must be resolved by the Customer.

SCHEDULE 9.2.3

SWITCHING CAPABILITY

1.0 Local Switching. The local switching capability of a Network Element (“**Unbundled Local Switching**”) is defined as:

- (1) line-side facilities, which include the connection between a Loop termination at the Main Distribution Frame and a switch line card;
- (2) trunk-side facilities, which include the connection between trunk termination at a trunk-side cross- connect panel and a switch trunk card; and
- (3) all features, functions, and capabilities of the switch available from the specific port type (line side or trunk side port), which include:
 - (a) 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 Ameritech's Customers, such as a telephone number, white page listing, and dial tone;
 - (b) access to operator services, directory assistance and 9-1-1;
 - (c) all other features that the switch provides, including custom calling, CLASS features and Centrex; and
 - (d) The customized routing functions that are required under this Agreement that are available from the switch.

Unbundled Local Switching may be subscribed to on a per port basis with the requirement of a minimum of one Unbundled Local Switching (“**ULS**”) trunk port. Each Centrex port must be associated with a Centrex Common Block.

When ULS is provided by an Ameritech Switch, Frontier will receive Customer Usage Data and billing information in accordance with the requirements of **Section 10.16**.

2.0 Tandem Switching.

2.1 The Tandem Switching Capability Network Element is defined as:

- (1) an unbundled Network Element in Ameritech's Class 4 non-TOPS digital Tandem Switches, which includes DS1-level Interconnection with the Tandem Switch trunk ports at the Digital Signal Cross-Connect (DSX) frame.
- (2) the basic switching function of creating a temporary transmission path that connects Frontier's trunks to the trunks of Ameritech, IXC's, ICO's, CMRS, and other LEC's interconnected to the Tandem Switch.

2.2 Interconnecting trunk types which can be switched include FGB, FGD, IMT, Access Toll Connecting Trunks and OS/DA. Signaling support includes MF and SS7 and any signaling conversions between these signaling formats.

2.3 Variations in Tandem Switching equipment used to provide service in specific locations may cause differences in the operation of certain features.

2.4 The unbundled Tandem Switching Network Element will provide to Frontier all available basic Tandem Switching functions and basic capabilities that are centralized in the Tandem Switch (and not in End Office Switches), including the following functions Ameritech makes available to its Customers:

- (1) Routing of calls from an inbound trunk to an outbound trunk based on destination digits.
- (2) Routing of Equal Access or Operator Service calls from an inbound trunk to an outbound trunk based on the CIC forwarded by the inbound trunk.
- (3) Routing of calls based on queries to Ameritech's databases (e.g., 800, AIN and LRN).

2.5 Translations, screening, blocking, and route indexing are provided if technically feasible under the standard switching translations and screening in use in that switch. A request for translations, screening, blocking, route indexing other than what is available (i.e., features that the switch is capable of providing) in that switch will be provided where technically feasible as a Bona Fide Request. Ameritech will provide these features if technically feasible and upon agreement by Frontier to pay the applicable recurring and nonrecurring costs of developing, installing, providing and maintaining the capability. Variations in the Tandem Switching equipment or translation and screening used to provide service in specific locations may cause differences in the operation of the element.

SCHEDULE 9.2.4

INTEROFFICE TRANSMISSION FACILITIES

Interoffice Transmission Facilities are Ameritech transmission facilities dedicated to a particular Customer or carrier, or shared by more than one Customer or carrier, used to provide Telecommunications Services between Central Offices owned by Ameritech or between Central Offices owned by Ameritech and Frontier, as provided on this **Schedule 9.2.4**.

1. Subject to Section 1.4 below, Ameritech shall make available to Frontier access to the following types of unbundled Interoffice Transmission Facilities:

1.1. Unbundled Dedicated Interoffice Transmission Facilities (“**Dedicated Transport**”) are dedicated facilities connecting two Ameritech Central Offices that utilize Ameritech transmission equipment and that provide Frontier exclusive use of such facilities. In each Central Office, Frontier will Cross-Connect this facility to its own transmission equipment (physically or virtually) Collocated in each Central Office. Frontier may combine this facility with other unbundled Network Elements it purchases access from Ameritech. All applicable digital Cross-Connect, multiplexing, and Collocation space charges apply at an additional cost.

1.2. “**Unbundled dedicated entrance facility**” is a dedicated facility connecting (i) Ameritech's transmission equipment in an Ameritech Central Office with Frontier's transmission equipment in Frontier's Central Office and (ii) Ameritech's transmission equipment in an Ameritech Central Office with Carrier's transmission equipment designated by the Frontier in an IXC POP, in each case for the purposes of providing Telecommunications Services.

1.3. Unbundled Shared Interoffice Transmission Facilities (“**Shared Transport**”) provide Frontier nonexclusive use of the features, functions and capabilities of Interoffice Transmission Facilities: (i) between a Frontier-designated Ameritech End Office Switch and the Ameritech Tandem Switch which that End Office Switch subtends and (ii) which are shared by more than one customer or carrier.

1.4. Ameritech shall be required to make available to Frontier access to unbundled Interoffice Transmission Facilities (i) between its End Offices, and (ii) between any of its Central Offices and (x) Frontier's Central Offices or (y) any other third party's Central Offices, only where such interoffice facilities exist at the time of Frontier's request.

SCHEDULE 9.2.5

SIGNALING NETWORKS AND CALL-RELATED DATABASES

1.0 Signaling Transfer Points.

A Signaling Transfer Point (STP) is a signaling network function that includes all of the capabilities provided by the signaling transfer point switches (STPSs) and their associated signaling links which enable the exchange of SS7 messages among and between switching elements, database elements and signaling transfer point switches.

1.1. Technical Requirements.

1.1.1. STPs shall provide access to all other Network Elements connected to Ameritech SS7 network. These include:

- 1.1.1.1. Ameritech Local Switching or Tandem Switching;
- 1.1.1.2. Ameritech Service Control Points/Databases;
- 1.1.1.3. Third-party local or tandem switching systems; and
- 1.1.1.4. Third-party-provided STPSs.

1.1.2. The connectivity provided by STPs shall fully support the functions of all other Network Elements connected to the Ameritech SS7 network. This explicitly includes the use of the Ameritech SS7 network to convey messages which neither originate nor terminate at a Signaling End Point directly connected to the Ameritech SS7 network (i.e., transient messages). When the Ameritech SS7 network is used to convey transient messages, there shall be no alteration of the Integrated Services Digital Network User Part (ISDNUP) or Transaction Capabilities Application Part (TCAP) user data that constitutes the content of the message.

1.1.3. If an Ameritech Tandem Switch routes calling traffic, based on dialed or translated digits, on SS7 trunks between a Frontier local switch and third party local switch, the Ameritech SS7 network shall convey the TCAP messages that are necessary to provide Call Management features (Automatic Callback, Automatic Recall, and Screening List Editing) between the Frontier local STPSs and the STPSs that provide connectivity with the third party local switch, even if the third party local switch is not directly connected to the Ameritech STPSs, based on the routing instruction provided in each message.

1.1.4. STPs shall provide all functions of the MTP as specified in ANSI T1.111. This includes:

- 1.1.4.1. Signaling Data Link functions, as specified in ANSI T1.111.2:
- 1.1.4.2. Signaling Link functions, as specified in ANSI T1.111.3; and
- 1.1.4.3. Signaling Network Management functions, as specified in ANSI T1.111.4.

1.1.5. STPs shall provide all functions of the signaling connection control part (“**SCCP**”) necessary for Class 0 (basic connectionless) service, as specified in ANSI T1.112. In particular, this includes Global Title Translation (GTT) and SCCP Management procedures, as specified in T1.112.4. In cases where the destination signaling point is an Ameritech local or tandem switching system or database, or is a Frontier or third party local or tandem switching system directly connected to the Ameritech SS7 network, STPs shall perform final GTT of messages to the destination and SCCP Subsystem Management of the destination. In all other cases, STPs shall perform intermediate GTT of messages to a gateway pair of STPs in an SS7 network connected with the Ameritech SS7 network, and shall not perform SCCP Subsystem Management of the destination.

1.1.6. STPs shall also provide the capability to route SCCP messages based on ISNI, as specified in ANSI T1.118, when this capability becomes available on Ameritech STPs.

1.1.7. STPs shall provide all functions of the OMAP commonly provided by STPs. This includes:

- 1.1.7.1. MTP Routing Verification Test (MRVT); and
- 1.1.7.2. SCCP Routing Verification Test (SRVT).

1.1.8. In cases where the destination signaling point is an Ameritech local or tandem switching system or database, or is a Frontier or third party local or tandem switching system directly connected to the Ameritech SS7 network, STPs shall perform MRVT and SRVT to the destination signaling point. In all other cases, STPs shall perform MRVT and SRVT to a gateway pair of STPs in an SS7 network connected with the Ameritech SS7 network. This requirement shall be superseded by the specifications for Internetwork MRVT and SRVT if and when these become approved ANSI standards and available capabilities of Ameritech STPs.

1.1.9. STPs shall be equal to or better than the following performance requirements:

- 1.1.9.1. MTP Performance, as specified in ANSI T1.111.6; and
- 1.1.9.2. SCCP Performance, as specified in ANSI T1.112.5.

1.2. Signaling Link Transport.

1.2.1. Definition. Signaling Link Transport is a set of two (2) or four (4) dedicated 56 Kbps transmission paths between Frontier-designated Signaling Points of Interconnection (SPOI) that provides appropriate physical diversity.

Technical Requirements.

1.2.2. Signaling Link Transport shall consist of full duplex mode 56 Kbps transmission paths.

1.2.3. Of the various options available, Signaling Link Transport shall perform in the following two (2) ways:

- a) As an “A-link” which is a connection between a switch or SCP and a Signaling Transfer Point Switch (STPS) pair; and
- b) As a “D-link” which is a connection between two (2) STP mated pairs in different company networks (e.g., between two (2) STPS pairs for two Competitive Local Exchange Carriers (CLECs)).

1.2.4. Signaling Link Transport shall consist of two (2) or more signaling link layers as follows:

- a) An A-link layer shall consist of two (2) links.
- b) A D-link layer shall consist of four (4) links.

1.2.5. A signaling link layer shall satisfy a performance objective such that:

- a) There shall be no more than two (2) minutes down time per year for an A-link layer; and
- b) There shall be negligible (less than two (2) seconds) down time per year for a D-link layer.

1.2.6. A signaling link layer shall satisfy interoffice and intraoffice diversity of facilities and equipment, such that:

- a) No single failure of facilities or equipment causes the failure of both links in an A-link layer (i.e., the links should be provided on a minimum of two (2) separate physical paths end-to-end); and

b) No two (2) concurrent failures of facilities or equipment shall cause the failure of all four (4) links in a D-link layer (i.e., the links should be provided on a minimum of three (3) separate physical paths end-to-end).

1.2.7. Interface Requirements. There shall be a DS1 (1.544 Mbps) interface at the Frontier-designated SPOI. Each 56 Kbps transmission path shall appear as a DS0 channel within the DS1 interface.

2.1. Toll Free Database Services.

2.1.1. Call Routing Service. The Call Routing Service provides for the identification of the carrier to whom a call is to be routed when a toll-free (1+800-NXX-XXXX or 1+888-NXX-XXXX) call is originated by Customer. This function uses the dialed digits to identify the appropriate carrier and is done by screening the full ten digits of the dialed number. The Call Routing Service may be provided in conjunction with a Customer's InterLATA or IntraLATA Switched Exchange Access Service.

When 800 Call-Routing service is provided, an originating call is suspended at the first switching office equipped with a Service Switching Point (SSP) component of the SSC/SS7 Network. The SSP launches a query over signaling links (A-links) to the Signal Transfer Point (STP), and from there to the SCP. The SCP returns a message containing the identification of the carrier to whom the call should be routed and the call is processed.

2.1.2. Routing Options. In addition to the toll-free service offerings, new routing options are offered. These options are purchased by toll-free service providers to allow their clients to define complex routing requirements on their toll-free service. Toll-free routing options allow the service provider's Customer to route its toll-free calls to alternate carriers and/or destinations based on time of day, day of week, specific dates or other criteria. These routing options are in addition to the basic toll-free call routing requirements which would include the toll-free number, the intraLATA carrier, the interLATA carrier and the Area of Service (AOS).

2.1.3. Carrier Identification. Frontier may choose the 800 Carrier Identification service to obtain toll-free number screening. With this service, Frontier will launch a query to the Ameritech database using its own Service Switching Points (SSPs) network. In contrast to the Call Routing Service described in **Section 2.1.1** above, with the 800 Carrier Identification service, no routing is performed.

Frontier's SS7 network is used to transport the query from its End Office to the Ameritech SCP. Once Frontier's identification is provided, Frontier may use the information to route the toll-free traffic over its network. In these cases, Ameritech Switched Access services are not used to deliver a call to Frontier. The toll-free carrier ID data may not be stored for Frontier's future use.

2.1.4. Number Administration. Frontier, at its option, may elect to use Ameritech's toll-free Service which includes toll-free Number Administration Service (NAS). With this service, Ameritech 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 Frontier does not select NAS, Frontier will perform the Responsible Organization service.

2.2. LIDB Database Service.

2.2.1. The Line Information Database (LIDB) Query Response Service is a validation database system. It enables Frontier to offer alternately billed services to its Customers. The database provides an efficient way to validate calling cards and toll billing exception (TBE) (i.e., restricts a collect or third-party billed call). Toll fraud protection and reduced call set up expenses are among the benefits of the service.

2.2.2. Billing information records include the Customer name, phone number security personal identification numbers and third-party acceptance indications. Prior to call completion, a query is launched to the LIDB to determine the validity of the requested billing method. The call is then completed or denied based on the LIDB's response.

2.3. CNDS Database Service.

2.3.1 Caller ID identifies a calling party's telephone number through a switch-based feature installed in Ameritech's Central Office. CNDS is a CCIS/SS7 network based feature that accesses a CNDS database within the LIDB to provide a name associated with the calling party's telephone number. This service is provided using TR1188 protocol.

2.3.2 A Customer who subscribes to Caller ID with Name will see the listed name associated with the calling party's telephone line displayed on his/her Caller ID display unit. The telephone number associated with the telephone line of the calling party will also be displayed.

2.3.3 Ameritech shall charge Frontier for the CNDS Database Service in a similar manner to that which Ameritech charges Frontier for the LIDB Database Service, including a per query charge.

2.4 Local Number Portability.

2.4.1 Ameritech's provision of LNP will utilize LRN switch software based on requirements developed by the workshop participants and concurred in by the Commission. These requirements are fully compliant with the principles adopted by the FCC in its First Report and Order, CC Docket No. 95-116 (the “**Number Portability Order**”). The detailed description and technical specifications for the planned LRN implementation can be found in various documents produced by the FCC Local Number Portability workshop.

2.4.2 Ameritech is fully prepared to provide LNP database access to Frontier. However, in adopting its Number Portability Order, the FCC referred certain technical and other issues to the North American Numbering Council (NANC) and issued a further notice addressing the recovery of costs associated with LNP implementation. Until these activities are concluded, Ameritech cannot finalize product descriptions and rates for access to its LNP database. Nonetheless, Ameritech is willing to begin discussions with Frontier to discuss Frontier's access to Ameritech's LNP databases in lieu of constructing Frontier's own.

2.5. Unbundled AIN Application Process.

2.5.1. The AIN architecture establishes a network infrastructure in which subscriber services can be defined and implemented independent from End-Office Switches. This is accomplished by a combination of SS7 signaling, interfaces between Network Elements and call-state models through which AIN Network Elements interact.

2.5.2. Ameritech's Unbundled AIN (Advanced Intelligent Network) Applications Access service will be provided on a nondiscriminatory basis and enable Frontier (whether it purchases unbundled switching capabilities from Ameritech or owns its own SSP (Service Switching Point)) to offer its Customers AIN services. Ameritech will make available existing AIN retail applications, as well as newly created services that Frontier creates via the Ameritech AIN Service Creation Environment (SCE) Access service. Unbundled AIN Applications Access provides for the AIN functionality necessary for the day to day ongoing call processing associated with a specific AIN applications execution. This includes the SS7 transport and SCP processing of the query associated with the specific service.

2.5.3. Associated with the AIN SCP is a Service Creation Environment (SCE) and a Service Management System (SMS). Ameritech offers access to the Ameritech SMS and SCE capabilities via two (2) AIN offerings: AIN Service Creation Environment Access Service and AIN Service Management System Access Service.

2.5.4. Carriers will share the common AIN infrastructure components provided by Ameritech, such as a Service Control Point (SCP), a Signaling Transfer Point (STP), Service Management System (SMS), and, if Frontier purchases Unbundled Switching from Ameritech, the AIN Service Switching Point (SSP). Frontier shall be responsible for assuring the compatibility of its AIN SSP software generics with the Ameritech AIN Applications and SCP

software releases. Interconnection of the Frontier SSP with the Ameritech SS7 network is required, and can be accomplished in a number of ways.

2.5.5. Activation of the desired application at the Ameritech SCP requires subscription by both the Frontier and the end-user. In general, AIN operations require close cooperation between Ameritech and the Frontier.

2.5.6. The SSP and SCP vendors provide logical capabilities which Ameritech uses to create each AIN service. The SSP and SCP vendors have no knowledge of the specific AIN Applications that Ameritech has created. Ameritech's AIN deployment is based on AIN 0.1.

3.1. AIN Service Creation Environment Access Service. Access to Ameritech's AIN service creation functionality will be provided in a nondiscriminatory manner to Frontier to enable it to create new AIN services on Ameritech's network. If Frontier has a new AIN service concept, it can utilize all or some of the features below to obtain a fully functional AIN service. Ameritech will furnish Frontier with a list of AIN Applications and the switches on which such applications are available, including the software version of AIN on such switch type. The following is a list of AIN service creation functions available via this service offering. When this service is ordered by Frontier, Frontier shall be responsible for the steps described in **subsections 3.1.1 to 3.1.4**, if applicable, and Ameritech shall, subject to Frontier's agreement to pay applicable charges specified in this Agreement, be responsible for the steps described in **subsections 3.1.5 to 3.1.10**:

3.1.1. Service Concept Description: The description of service idea should detail requirements such as: dialing patterns, information exchange, announcements, voice prompts, expected service management screens and reports, and CPE requirements. The AIN service creation functions made available to Frontier must be the same ones Ameritech uses, subject to any third party restrictions Ameritech may be subject to.

3.1.2. Creation of Technical Specification: Translation of a new service description into a technical specification including engineering requirements for Ameritech's network. The technical specification must detail how the service interacts in the network, translated in network terms, should include any expected/anticipated feature interaction discrepancies, and will include the process flows on how the service traverses the network.

3.1.3. Service Logic Design: The development of service design from SCP perspective to include Algorithms, Data Structures and Flow Diagrams.

3.1.4. Service Logic Coding: Development of machine logic in the SCE to include tables, SIBBs, and other elements as necessary.

3.1.5. Service Logic Testing: Service logic testing isolated within the to SCE to ensure accuracy of compilation and code development and compliance with Ameritech's AIN environment.

3.1.6. SMS Interface Requirements: Development of Frontier SMS interface access including screens, flow-through interface and reports. This is required to allow Frontier to activate, update, modify, and administer Customer data associated with the new service.

3.1.7. Platform Access Logic Configuration: Service specific updates to global infrastructure required to enable new service. Includes modification of the access logic to enable a new service.

3.1.8. Service Integration Testing (SIL): Intensive laboratory testing of service in conjunction with all Ameritech Switch types and or provider switch types and generics (as necessary) to minimize potential feature interaction conflicts and negative network reactions. Resources must be made available to Frontier on a nondiscriminatory basis.

3.1.9. Network Implementation: Conditioning of the SMS, SCP, SSP, or STP to accept service including network translations, signaling connectivity, dialing plans, and coordination of provisioning process.

3.1.10. Field Testing: Comprehensive controlled testing in a live switch environment, possibly at Frontier's SSP location.

3.2. AIN Service Management System Access Service.

3.2.1. Access to Ameritech's AIN service management system functionality will be provided in a nondiscriminatory manner to Frontier to enable it to manage AIN services located wholly within Ameritech's network (SCP & SSP) or to manage AIN services where the service logic is located within Ameritech's SCP and the Customer is served from Frontier's AIN-compatible SSP. Upon request of Frontier, Ameritech shall provide Frontier the unbundled AIN Applications Access service product description and a list of existing Ameritech AIN applications.

3.2.2. The Service Management System (SMS) is the administration system for the service logic and data in the Advanced Intelligent Network (AIN) Service Control Point (SCP). The SMS contains the master copy of service level, subscriber level and subscription level data. The SMS also contains a copy of the service logic.

Logical access to the SMS will be managed by a set of programs designed by Ameritech. These programs provide security for the data that resides on the AIN platforms by allowing user access to only specific data that is appropriate to the customer or carrier. Whether explicitly stated in this document or not, all access to the SMS is managed through these programs. The only

exceptions to managed access to SMS functionality are for the Ameritech Network Services organizations that administer the AIN platforms. They require direct access in order to appropriately administer the platforms.

Mediated access to SMS functionality will be provided through interface programs that will be developed for specific services. Frontier will have access to all of the data that the service requires in order to administer that service for its Customers. This includes service level, subscriber level, and subscription level data as well as any reports and measurement data that is mutually agreed upon by Ameritech and Frontier.

3.2.3. Service Logic. The SMS receives a copy of the service logic and service management logic from the Service Creation Environment (SCE) system. After population of specific network level and service level data, the SMS downloads a view of the service logic to the designated SCPs. The service management logic remains in the SMS to complement SMS utilities in the monitoring and administration of a specific service.

It is required that all of the Service Creation unit testing, System Integration Lab (SIL) testing and Network Deployment Testing has been completed.

It may be necessary for Frontier to negotiate timing and supply service specific data before that service can be deployed in the appropriate SCPs. Ameritech, however, is totally responsible for service logic deployment and initial SCP memory load in its network. Frontier will receive timing and supply of service specific data in a nondiscriminatory manner.

3.2.4. Service Administration. Service administration involves the management of service level data which the service logic requires for its execution. SMS supports the management of service specific common data. Any changes to the data representation of the Ameritech network, which impact one or more carrier services will be administered by Ameritech. Other Frontier specific or service specific data changes will be identified and administered by Frontier.

SCHEDULE 9.2.6

OPERATIONS SUPPORT SYSTEMS FUNCTIONS

1.0 Pre-Ordering, Ordering and Provisioning. Ameritech will use the Provisioning EI for the transfer and receipt of data necessary to perform the pre-ordering, ordering, and provisioning functions (e.g., order entry, telephone number and due date selection). However, the Access Services Request (ASR) interface will be used for the transfer of information concerning Network Elements ordered by Frontier.

2.0 Maintenance and Repair. Ameritech will use the Maintenance EI described in Section 10.13.3(a) for the transfer and receipt of data necessary to perform the maintenance and repair functions (e.g., trouble receipt and trouble status).

3.0 Billing. Ameritech will provide appropriate usage data to Frontier to facilitate Customer billing with attendant acknowledgments and status reports and exchange information to process claims and adjustments.

SCHEDULE 9.2.7

OPERATOR SERVICES AND DIRECTORY SERVICES

1.0 Operator Services. Operator Services consist of the following services.

1.1 Manual Call Assistance - manual call processing with operator involvement for the following:

- (a) Calling card - the Customer dials 0+ or 0- and provides operator with calling card number for billing purposes.
- (b) Collect - the Customer dials 0+ or 0- and asks the operator to bill the call to the called number, provided such billing is accepted by the called number.
- (c) Third number billed - the Customer dials 0+ or 0- and asks the operator to bill the call to a different number than the calling or called number.
- (d) Operator assistance - providing local and intraLATA operator assistance for the purposes of:
 - (1) assisting Customers requesting help in completing calls or requesting information on how to place calls;
 - (2) handling emergency calls;
 - (3) handling credits and coin telephone local refund requests; and
 - (4) handling person-to-person calls.
- (e) Operator Transfer Service (“**OTS**”) - calls in which the Customer dials “0”, is connected to an Ameritech operator and then requests call routing to an IXC subscribing to OTS. The operator will key the IXC’s digit carrier identification code to route the Customer to the requested IXC’s point of termination.
- (f) BLV - Service in which operator verifies a busy condition on a line.
- (g) BLVI - service in which operator, after verifying a busy line, interrupts the call in progress.

1.2 Automated Call Assistance - mechanized call processing without operator involvement for the following:

(a) Automated calling card service (“ACCS”) - the Customer dials 0 and a telephone number, and responds to prompts to complete the billing information.

(b) Automated Alternate Billing Service (“AABS”) -

(1) the Customer dials 0 and a telephone number and responds to prompts to process the call and complete the billing information (Customer branding not currently available).

(2) ACCS calculates charges, relates the charge to the Customer, and monitors coins deposited before connecting the 1 + intraLATA or interLATA call.

1.3 Line Information Database (“LIDB”) Validation - mechanized queries to a LIDB for billing validation.

1.4 Database Access - To the extent technically feasible, Ameritech will provide access to databases used in the provisioning of Operator Services via Frontier's Bona Fide Request.

2.0 Directory Assistance. Directory Assistance (“DA”) service shall consist of the following services.

2.1 Directory Assistance - those calls in which the Customer dial digits designated by Frontier to obtain Directory Assistance for local numbers located within his/her NPA. Two listings will be provided per call.

2.2 Branding - the ability to put messages on the front end of a DA call that is directly trunked into Ameritech's DA switch.

2.3 Information Call Completion - provides a Customer who has accessed the DA service and has received a number from the Audio Response Unit (“ARU”) the option of having an intraLATA call completed by pressing a specific digit on a touch tone telephone. Information Call Completion is only available to Frontier if it direct trunks its DA calls to Ameritech.

2.4 Upon request, and through a technically feasible arrangement, Ameritech will provide access to databases used in the provisioning of DA via Frontier's Bona Fide Request at rates that recover Ameritech's costs of developing, providing and maintaining the service. Such unbundled access to the DA database shall be for the purpose of having Frontier's Telephone Exchange Service DA listing in the area placed into Ameritech's DA database, or to enable Frontier to read DA listing in the database so that Frontier can provide its own DA service.

3.0 Rate Application. Ameritech shall bill Frontier the applicable rates on a monthly basis, in accordance with the following methodology:

3.1 Manual Call Assistance - operator call occurrences multiplied by the per call rate. Total call occurrences shall include all processed calls, whether or not they are completed.

3.2 Automated Call Assistance (ACCS and AABS) - call occurrences multiplied by the per call occurrence rate. Total call occurrences shall include all processed calls, whether or not they are completed.

3.3 LIDB Validation - validation occurrences multiplied by the LIDB validation per occurrence rate. Total validation occurrences shall include all validations, whether or not the call is completed. Ameritech will accumulate operator occurrences, automated occurrences, and LIDB validation occurrences via its Operator Services Call Analysis System (“**OSCAS**”). OSCAS utilizes TOPS AMA recordings to produce monthly summaries of mechanized and manual call occurrences.

3.4 BLV - operator call occurrences multiplied by the per call rate. Total call occurrences shall include all processed calls whether or not they are completed.

3.5 BLVI - operator call occurrences multiplied by the per call rate. Total call occurrences shall include all processed calls whether or not they are completed.

3.6 Lost Records. If Ameritech is responsible for lost, destroyed, or mutilated TOPS AMA recordings, Ameritech will not bill Frontier for those calls for which there are no records. Likewise, Ameritech shall not be held responsible by Frontier for lost revenue. However, if within ninety (90) days, actual data should become available, Ameritech will bill Frontier for those calls using actual data.

SCHEDULE 9.5

PROVISIONING OF NETWORK ELEMENTS

1.0 General Provisioning Requirements.

- 1.1 Frontier may order from Ameritech multiple individual Network Elements on a single order without the need to have Frontier send an order for each such Network Element if such Network Elements are (i) for a single type of service, (ii) for a single location, and (iii) for the same account and Frontier provides on the order the same detail as required when such Network Elements are ordered individually.
- 1.2 Ameritech shall provide provisioning services to Frontier Monday through Friday from 8:00 a.m. to 5:00 p.m. CST. Frontier may request Ameritech to provide Saturday, Sunday, holiday, and/or off-hour provisioning services. If Frontier requests that Ameritech perform provisioning services at times or on days other than as required in the preceding sentence, Ameritech shall quote, within three (3) Business Days of Frontier's request, a cost-based rate for such services. If Frontier accepts Ameritech's quote, Ameritech shall perform such provisioning services.
- 1.3 Ameritech shall provide a Single Point of Contact ("**SPOC**") for ordering and provisioning contacts and order flow involved in the purchase and provisioning of Ameritech's unbundled Network Elements. The SPOCs shall provide an electronic interface 5:30 a.m. to 10:30 p.m., CST, Monday through Friday and 5:30 a.m. to 6:00 p.m., CST on Saturdays. Each SPOC shall also provide to Frontier a telephone number (operational from 8:00 a.m. to 5:00 p.m. CST, Monday through Friday) which will be answered by capable staff trained to answer questions and resolve problems in connection with the provisioning of Network Elements.
- 1.4 Ameritech shall provide to Frontier a single point of contact (the "**Unbundling Ordering Center**") for ordering unbundled Network Elements. A telephone number will be provided from 7:00 a.m. to 5:00 p.m. CST, Monday through Friday. This Unbundling Ordering Center is responsible for order acceptance, order issuance, and return of the Firm Order Confirmation (FOC) to Frontier as specified in this **Schedule 9.5**.

In addition, Ameritech shall provide to Frontier a single point of contact (the "**Unbundling Service Center**") for all provisioning, maintenance, repair, and cutover coordination. A telephone number will be provided from 06:30 a.m. to

12:00 a.m. CST Monday through Friday. Out of hours maintenance questions are handled by a **“Fold Down Center.”**

- 1.5 Ameritech will recognize Frontier as the Customer of Record of all Network Elements ordered by Frontier and will send all notices, invoices and pertinent Customer information directly to Frontier.
- 1.6 Ameritech will provide Frontier with a FOC for each order within forty-eight (48) hours of Ameritech’s receipt of that order, or within a different time interval agreed upon by the Implementation Team. The FOC must contain an enumeration of Frontier's ordered Network Elements features, options, physical Interconnection, quantity, and Ameritech commitment date for order completion (the **“Committed Due Date”**), which Committed Due Date shall be established on a nondiscriminatory basis with respect to installation dates for comparable orders at such time.
- 1.7 Upon work completion, Ameritech will provide Frontier electronically with a completed order confirmation per order that states when that order was completed.
- 1.8 Ameritech will perform pre-testing of Network Elements in accordance with Ameritech's standards. At Frontier's request, Ameritech will make available to Frontier on a weekly batch basis any available test and turn-up results in support of the Network Elements ordered by Frontier. Frontier shall be responsible for any costs incurred by Ameritech to provide copies of any available results. If Frontier requests Ameritech to provide Frontier with any test or turn-up results which Ameritech does not then generate, Frontier shall request such results through the Bona Fide Request process.
- 1.9 As soon as identified, Ameritech shall provide notification electronically of Frontier orders that are incomplete or incorrect and therefore cannot be processed.
- 1.10 As soon as identified, Ameritech shall provide notification electronically of any instances when Ameritech’s Committed Due Dates are in jeopardy of not being met by Ameritech on any element or feature contained in any order for a Network Element. Ameritech shall indicate its new Committed Due Date as soon as such date is available.
- 1.11 Ameritech shall provide to Frontier upon request:
 - (a) a list of all services and features technically available from each switch that Ameritech may use to provide Local Switching, by switch CLLI;

- (b) a listing by street address detail, of the service coverage area of each switch CLI;
- (c) when available, all engineering design and layout information for each Network Element; provided that Frontier shall pay Ameritech for the costs incurred by Ameritech to provide Frontier with copies of such information;
- (d) a listing of all technically available functionalities for each Network Element; and
- (e) advanced information on the details and requirement for planning and implementation of NPA splits.

1.12 Promptly after the Effective Date, at Frontier's request Ameritech shall provide Frontier an initial electronic copy of the following information:

- (a) Street address verification;
- (b) Switch identification by service address; and
- (c) Switch feature verification.

Electronic updates to such information shall be provided monthly to Frontier as changes are made to such information.

1.13 For orders of Network Elements (and INP with the installation of a Loop) that require coordination among Ameritech, Frontier and Frontier's Customer, Frontier shall be responsible for any necessary coordination with the Frontier Customer.

2.0 Unbundled Local Loop Transmission

2.1 Access to Unbundled Local Loops.

2.1.1 Frontier shall access Ameritech's Unbundled Local Loops either via Collocation or in accordance with **Article IX** of this Agreement at the Ameritech Central Office where that element exists and each Loop shall be delivered to Frontier's Collocation by means of a Cross-Connection, which shall be an additional charge.

2.1.2 Ameritech shall provide Frontier access to its unbundled Loops at each of Ameritech's Central Offices. In addition, if Frontier requests one or more Loops serviced by Integrated Digital Loop Carrier or Remote Switching technology deployed as a Loop concentrator, Ameritech shall, where available, move the requested Loop(s) to a spare,

existing physical Loop at no charge to Frontier. If, however, no spare physical Loop is available, Ameritech shall within forty-eight (48) hours of Frontier's request notify Frontier of the lack of available facilities. Frontier may then at its discretion make a Bona Fide Request for Ameritech to provide the unbundled Loop through the demultiplexing of the integrated digitized Loop(s). Notwithstanding anything to the contrary in this Agreement, the provisioning intervals set forth in **Section 2.2.2** of this Schedule and the Ameritech Network Element Performance Benchmarks set forth in **Schedule 9.10** of this Agreement shall not apply to unbundled Loops provided under this **Section 2.1.2**.

2.1.3 If Frontier orders a Loop type and the distance requested on such Loop exceeds the transmission characteristics as referenced in the corresponding Technical Reference specified below, distance extensions may be requested where technically feasible to meet the specification using such distance extensions. Frontier shall compensate Ameritech for the costs incurred to provide such distance extensions.

Loop Type	Technical Reference/Limitation
Electronic Key Line	2.5 miles
ISDN	Bellcore TA-NWT-000393
HDSL 2W	T1E1 Technical Report Number 28
HDSL 4W	T1E1 Technical Report Number 28
ADSL 2W	ANSI T1.413-1995 Specification

2.2 Provisioning of Unbundled Loops.

The following coordination procedures shall apply for conversions of “live” Telephone Exchange Services to unbundled Network Elements:

2.2.1 Frontier shall request unbundled Loops from Ameritech by delivering to Ameritech a valid electronic transmittal service order (a “**Service Order**”) using the electronic interface described on **Schedule 9.2.6**. Within forty eight (48) hours of Ameritech's receipt of a Service Order, Ameritech shall provide Frontier the FOC that sets forth the Committed Due Date according to the applicable Ameritech Network Element Performance Benchmarks set forth in **Section 9.10** of this Agreement by which the Loop(s) covered by such Service Order will be installed.

2.2.2 Ameritech shall provision unbundled Loops in accordance with the time frames set forth on **Schedule 9.10** or within such other intervals as agreed upon by the Parties.

2.2.3 Ameritech and Frontier shall coordinate to designate, at least forty-eight (48) hours prior to the Committed Due Date, a scheduled conversion date and time (the **“Scheduled Conversion Time”**) in the **“A.M.”** (12:00 midnight to 12:00 noon) or **“P.M.”** (12:00 noon to 12:00 midnight) (as applicable, the **“Conversion Window”**).

2.2.4 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 (the **“New 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:

If Ameritech requests the New Conversion Time, the applicable Line Connection Charge shall be waived; and

If Frontier requests the New Conversion Time, Frontier shall be assessed a Line Connection Charge in addition to the Line Connection Charge that will be incurred for the New Conversion Time.

2.2.5 Ameritech shall test for Frontier dial-tone (**“Dial Tone Test”**) at Ameritech’s MDF for Frontier’s Virtual Collocated equipment or Physical Collocated equipment during a window not greater than forty-eight (48) hours but not less than eight (8) hours prior to the Scheduled Conversion Time (or New Scheduled Time, as applicable). Ameritech shall perform the Dial Tone Test at no charge for one Contract Year. Thereafter, Ameritech shall recover from Frontier for Dial Tone Test on a time and materials basis any costs (as defined in Section 252(d) of the Act) for providing such Dial Tone Test.

2.2.6 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 Frontier 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 Ameritech (and not by a Delaying Event), Ameritech shall waive the applicable Line Connection Charge for such element. If Frontier has ordered INP with the installation of a Loop, Ameritech will coordinate the implementation of INP with the Loop conversion during the sixty (60) minute interval at no additional charge.

2.2.7 Requests for maintenance or repair of unbundled Loops are initiated using the industry standard “electronic bonding” interface (EBI) and are handled by the Ameritech Unbundling Service Center (“USC”). The USC works with local Ameritech personnel to perform any manual testing that may be required to isolate the trouble.

3.0 Network Interface Device Capability.

3.1 Ameritech will provide Frontier access to NIDs in a manner that will permit Frontier to connect its loop facilities to the Customer's inside wiring through Ameritech's NID, as required. Frontier shall establish this connection through an adjoining NID provided by Frontier.

3.2 Due to the wide variety of NIDs utilized by Ameritech (based on Customer size and environmental considerations), Frontier may access the Customer's inside wire by any of the following means:

- (a) Where an adequate length of inside wire is present and environmental conditions permit, Frontier may remove the inside wire from Ameritech's NID and connect that wire to Frontier's NID;
- (b) Enter the Customer access chamber or “side” of “dual chamber” NID enclosures for the purpose of extending a connectorized or spliced jumper wire from the inside wire through a suitable “punch-out” hole of such NID enclosures;
- (c) Enter Ameritech's loop terminal enclosure located at a multiple dwelling unit (“MDU”) for the purpose of accessing Customer premises inside wire and extending such wire to Frontier's own adjoining NID; or
- (d) Request Ameritech 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., Frontier, its agent, the building owner or the Customer).

To the extent that Ameritech completes any of the work described in this **Section 3.2**, Ameritech shall bill the time and materials charges associated with such work to the party that requested such work (i.e., Frontier, its agent, the building owner or the Customer).

3.3 In no case shall Frontier remove or disconnect Ameritech's loop facilities from Ameritech's NIDs, enclosures, or protectors.

3.4 In no case shall Frontier remove or disconnect ground wires from Ameritech's NIDs, enclosures, or protectors.

3.5 Maintenance and control of premises wiring (inside wire) is the responsibility of the Customer. Any conflicts between service providers for access to the Customer's inside wire must be resolved by the Customer.

3.6 Due to the wide variety of NID enclosures and outside plant environments, Ameritech will work with Frontier to develop specific procedures to establish the most effective means of implementing this **Section 3.0**.

4.0 Unbundled Local Switching

4.1 Access to Unbundled Local Switching.

4.1.1 Frontier shall access Ameritech's Unbundled Local Switching via Collocation or in accordance with **Article IX** of this Agreement at the Ameritech Central Office where that element exists and each line-side and/or trunk-side port will be delivered to Frontier's Collocation by means of a Cross-Connection, which shall be an additional charge.

4.1.2 Ameritech shall provide Frontier access to its Unbundled Local Switching at each of Ameritech's Central Offices and will provide Frontier all available basic local switching functions and basic capabilities the switch is capable of providing which Ameritech currently makes available to its local Customers, or for which Ameritech OSS functions are capable of provisioning pursuant to a Bona Fide Request.

4.1.3 Unbundled Local Switching also provides access to additional features and capabilities that the switch has available for activation. Frontier has the capability of activating these features on a line-by-line basis via an electronic interface. The additional features available for activation on the basic Unbundled Local Switching include:

- (a) vertical features;
- (b) Custom Calling, Custom Local Area Signaling Service features (“**CLASS**”) features; and
- (c) Centrex features.

4.1.4 Other basic and/or additional capabilities, functions and features that are not then available for activation on the switch may be requested as optional special capabilities. Ameritech will provide these special capabilities if technically feasible and upon Frontier's Bona Fide Request. Frontier will pay the applicable recurring and nonrecurring costs of developing, installing, providing and maintaining the requested capability.

4.1.5 Ameritech will provide any technically feasible customized local routing of traffic through Unbundled Local Switching by class of call (e.g., operator, directory assistance, 9-1-1, toll, local, etc.). Ameritech will develop and provide any requested

customized routing the switch is capable of providing, upon agreement by Frontier to pay recurring and nonrecurring costs of developing, installing, updating, providing and maintaining such custom routing.

4.1.6 The custom routing feature enables Frontier to specify special routing, by class of call, all traffic originating in its unbundled local switch using any technically feasible routing capability of that switch. Variations in the End Office switching equipment used to provide service in specific locations may cause differences in the operation of certain features. Switch feature functionality capabilities that are not otherwise available (*i.e.*, features that the switch is capable of providing) will be developed on an individual basis through the Bona Fide Request process and will be installed, updated, maintained and provided following Frontier's agreement to pay the applicable costs.

4.2 Provisioning of Unbundled Local Switching.

The following coordination procedures shall apply for conversions of **“live”** Telephone Exchange Services to unbundled Network Elements:

4.2.1 Frontier shall request Unbundled Local Switching from Ameritech by delivering to Ameritech a valid electronic transmittal service order (a **“Service Order”**) using the Provisioning EI. In addition, pre-ordering functions are supported via electronic data interchange (EDI) format as utilized for Resale Services. Within forty eight (48) hours of Ameritech's receipt of a Service Order, Ameritech shall provide Frontier the FOC that sets forth the Committed Due Date by which the Unbundled Local Switching ports covered by such Service Order will be installed.

4.2.2 Frontier shall request the development and establishment of a custom routing pattern via a Bona Fide Request. While the custom routing pattern is being developed, Frontier may do one of the following: (a) defer activation of the Unbundled Local Switching port until the routing pattern is established or (b) offer the Customer resale on an interim basis.

4.2.3 Ameritech and Frontier shall coordinate to designate, at least forty-eight hours prior to the Committed Due Date, a scheduled conversion date and time (the **“Scheduled Conversion Time”**) in the **“A.M.”** (12:00 midnight to 12:00 noon) or **“P.M.”** (12:00 noon to 12:00 midnight) (as applicable, the **“Conversion Window”**).

4.2.4 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 (the **“New 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:

If Ameritech requests the New Conversion Time, the applicable Line Connection Charge shall be waived; and

If Frontier requests the New Conversion Time, Frontier shall be assessed a Line Connection Charge in addition to the Line Connection Charge that will be incurred for the New Conversion Time.

4.2.5 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 Frontier 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 Ameritech (and not by a Delaying Event), Ameritech shall waive the applicable Line Connection Charge for such element. Ameritech shall provide to Frontier equivalent functionality of blocking calls (e.g., 900, 976 and international calls) as provided to Ameritech's retail Customers.

4.2.6 When ordering Unbundled Local Switching, Frontier may order from Ameritech separate interLATA and intraLATA capabilities (i.e., 2 PICs where available) on a line or trunk basis.

4.2.7 Unless otherwise directed by Frontier and to the extent technically feasible when Frontier orders Unbundled Local Switching, all telephone numbers currently associated with that line port shall be retained without loss of feature capability.

4.2.8 Ameritech's provision and Frontier's use of ULS shall be subject to the provisions of **Section 7.1** and **Schedule 7.1**.

4.3 Tandem Switching.

4.3.1 Tandem Switching creates a temporary transmission path between interoffice trunks that are interconnected at a switch for the purpose of routing a call or calls. Unbundled Tandem Switching is ordered using electronic interfaces. Trunk-side ports are ordered using the Access Service Request (“ASR”) which provides for electronic ordering based on industry standards adopted through OBF. ASR is the process used as of the Effective Date to order Exchange Access Services. Both pre-ordering and ordering functions and access to associated Operations Support Systems functions are supported electronically through these interfaces.

4.3.2 Ameritech will service, operate, and maintain the unbundled Tandem Switching for Frontier at parity with the service, operation, and maintenance Ameritech provides to itself, its subsidiaries, Affiliates and any other person. Unless requested

otherwise, where applicable and technically feasible, Ameritech will provide unbundled Tandem Switching using the same specifications, interfaces, parameters, intervals, procedures and practices it uses to provide comparable Tandem Switching for all other Customers and carriers. Any feature or function existing in the Tandem Switch will be provided to Frontier on a non-discriminatory basis. Congestion control and overflow routing will be provided on a non-discriminatory basis.

5.0 Interoffice Transmission Facilities.

5.1 Ameritech shall offer Interoffice Transmission Facilities in each of the following ways:

5.1.1 As a dedicated transmission path (e.g., DS1, DS3, OC3, OC12 and OC48) dedicated to Frontier as described in **Section 1.1** of **Schedule 9.2.4**.

5.1.2 As a shared transmission path as described in **Section 1.3** of **Schedule 9.2.4**.

5.2 Where Dedicated Transport or Shared Transport is provided, it shall include (as appropriate):

5.2.1 The transmission path at the requested speed or bit rate.

5.2.2 The following optional features are available; if requested by Frontier, at additional cost:

5.2.2.1 Clear Channel Capability per 1.544 Mbps (DS1) bit stream.

5.2.2.2 Ameritech provided Central Office multiplexing:

- (a) DS3 to DS1 multiplexing; and
- (b) DS1 to Voice/Base Rate/128, 256, 384 Kbps Transport multiplexing.

5.2.3 If requested by Frontier, the following are available at an additional cost:

5.2.3.1 1+1 Protection for OC3, OC12 and OC48.

5.2.3.2 1+1 Protection with Cable Survivability for OC3, OC12 and OC48.

5.2.3.3 1+1 Protection with Route Survivability for OC3, OC12 and OC48.

5.3 Ameritech shall:

5.3.1 Provide Frontier exclusive use of Interoffice Transmission Facilities dedicated to Frontier in the case of Dedicated Transport, or non-exclusive access to the features, functions, and capabilities of Interoffice Transmission Facilities shared by more than one Customer or carrier, including Frontier, in the case of Shared Transport;

5.3.2 Provide all technically feasible transmission facilities, features, functions, and capabilities that Frontier could use to provide Telecommunications Services;

5.3.3 Permit, to the extent technically feasible, Frontier to connect such Interoffice Transmission Facilities to equipment designated by Frontier, including Frontier's Collocated facilities; and

5.3.4 Permit, to the extent technically feasible, Frontier to obtain the functionality provided by Ameritech's digital cross-connect systems separate from Dedicated Transport.

5.4 Technical Requirements.

This **Section 5.4** sets forth the technical requirements for Dedicated Transport:

5.4.1 When Ameritech provides Dedicated Transport as a facility, the entire designated transmission facility (e.g., DS1, DS3) shall be dedicated to Frontier designated traffic.

5.4.2 Ameritech shall offer Dedicated Transport in all the currently available technologies including DS1 and DS3 transport facilities and SONET point-to-point transport facilities, at all standard transmission bit rates, except subrate services, where available.

5.4.3 For DS1 facilities, Dedicated Transport shall, at a minimum, meet the performance, availability, jitter, and delay requirements specified for Customer Interface to Central Office "CI to CO" connections in the applicable technical references set forth under Interoffice Transmission Facilities in the Technical Reference Schedule.

5.4.4 For DS3 facilities and higher rate facilities, Dedicated Transport shall, at a minimum, meet the performance, availability, jitter, and delay requirements specified for Customer Interface to Central Office "CI to CO" connections in the applicable technical

references set forth under Interoffice Transmission Facilities in the Technical Reference Schedule.

5.4.5 When requested by Frontier, Dedicated Transport shall provide physical diversity. Physical diversity means that two circuits are provisioned in such a way that no single failure of facilities or equipment will cause a failure on both circuits. When physical diversity is requested by Frontier, Ameritech shall provide the maximum feasible physical separation between intra-office and inter-office transmission paths (unless otherwise agreed by Frontier). Any request by Frontier for diversity shall be subject to additional charges.

5.4.6 Upon Frontier's request and its payment of any additional charges, Ameritech shall provide immediate and continuous remote access to performance monitoring and alarm data affecting, or potentially affecting, Frontier's traffic.

5.4.7 Ameritech shall offer the following interface transmission rates for Dedicated Transport:

5.4.7.1 DS1 (Extended SuperFrame - ESF, D4);

5.4.7.2 DS3 (M13 shall be provided);

5.4.7.3 SONET standard interface rates in accordance with the applicable ANSI technical references set forth under Interoffice Transmission Facilities in the Technical Reference Schedule.

5.4.8 Upon Frontier's request, Ameritech shall provide Frontier with electronic reconfiguration control of a Frontier specified Dedicated Transport through Ameritech Network Reconfiguration Service (ANRS) on the rates, terms and conditions in F.C.C. Tariff No. 2.

5.4.9 Ameritech shall permit, at applicable rates, Frontier to obtain the functionality provided by DCS together with dedicated transport in the same manner that Ameritech offers such capabilities to IXCs that purchase transport services. If Frontier requests additional functionality, such request shall be made through the Bona Fide Request process.

6.0 Signaling Networks and Call-Related Databases

6.1 Signaling Networks.

6.1.1 If Frontier purchases Switching Capability from Ameritech, Ameritech shall provide access to its signaling network from that switch in the same manner in

which Ameritech obtains access to such switch itself. In addition, Ameritech shall provide Frontier access to Ameritech's signaling network for each of Frontier's switches when Frontier uses its own switching facilities. This connection shall be made in the same manner as Ameritech connects one of its own switches to an STP. Notwithstanding the foregoing, Ameritech shall not be required to unbundle those signaling links that connect Service Control Points to STPs or to permit Frontier to link its own STPs directly to Ameritech's switch or call-related databases.

6.1.2 If Frontier has its own switching facilities, Ameritech shall provide Frontier access to STPs to each of Frontier's switches, in the same manner in which Ameritech connects one of its own switches to an STP, or in any other technically feasible manner (e.g., bringing an "A" link from Frontier's switch to Ameritech's STP, or linking Frontier's switch to its own STP and then connecting that STP to Ameritech's STP via a "B" or "D" link); provided that Ameritech shall not be required to (i) unbundle the signaling link connecting SCPs to STPs, (ii) permit direct linkage of Frontier's own STPs to Ameritech's switch or call-related databases or (iii) unbundle an SCP from its associated STP.

6.1.3 The Parties shall agree upon appropriate mediation facilities and arrangements for the Interconnection of their signaling networks and facilities, as necessary to adequately safeguard against intentional and unintentional misuse of the signaling networks and facilities of each Party. Such arrangements shall provide at a minimum:

- Certification that Frontier's switch is compatible with Ameritech's SS7 network;
- Certification that Frontier's switch is compatible with Ameritech's AIN SCP;
- Certification that Frontier's switch is compatible with a desired AIN application residing on Ameritech's SCP;
- Agreement on procedures for handling maintenance and troubleshooting related to AIN services;
- Usage of forecasts provided by Frontier, so that Ameritech can provide sufficient SS7 resources for Frontier and all other requesting carriers;
- Mechanisms to control signaling traffic at agreed-upon levels, so that Ameritech's SS7 resources can be fairly shared by all requesting carriers;

- Mechanisms to restrict signaling traffic during testing and certification, as necessary to minimize risks to the service quality experienced by Customers served by Ameritech's network and those of other carriers while compatibility and interconnection items are verified; and
- Mechanisms to ensure protection of the confidentiality of Proprietary Information of both carriers and Customers.

6.2 Call-Related Databases.

6.2.1 For purposes of switch query and database response through a signaling network, Ameritech shall provide Frontier access to its call-related databases, including the Line Information Database, Toll Free Calling database, downstream number portability databases, and Advanced Intelligent Network databases by means of physical access at the STP linked to the unbundled database.

6.2.2 If Frontier purchases Unbundled Local Switching, Frontier may, upon request, use Ameritech's SCP in the same manner, and via the same signaling links, as Ameritech. If Frontier has deployed its own switch, and has linked that switch to Ameritech's signaling system, Frontier shall be given access to Ameritech's SCP in a manner that allows Frontier to provide any call-related, database-supported services to Customers served by Frontier's switch. If the Implementation Team is unable to agree in the Implementation Plan to appropriate mediation mechanisms with respect to access to the AIN SCPs, the Parties shall adopt the mechanisms adopted by the Commission. Ameritech shall provide Frontier access to call-related databases in a manner that complies with the CPNI requirements of Section 222 of the Act.

6.2.3 The Parties shall agree upon appropriate mediation facilities arrangements for the Interconnection of their signaling networks, databases, and associated facilities, as necessary to adequately safeguard against intentional and unintentional misuse of the signaling networks and facilities of each Party. Such arrangements shall provide for at a minimum:

- Capabilities to protect each Party's information;
- Agreements on handling maintenance and troubleshooting related to AIN services;
- Usage forecasts provided by Frontier so that Ameritech can provide sufficient resources for other requesting carriers, and capabilities to ensure that the Parties abide by such forecasts;
- Procedures to ensure, prior to deployment, that each service will properly operate within Ameritech's network;

- Procedures to verify proper deployment of each service in the network; and
- Mechanisms to ensure protection of the confidentiality of proprietary information of both carriers and customers.

6.3 Service Management Systems.

6.3.1 Ameritech shall provide Frontier with the information necessary to enter correctly, or format for entry, the information relevant for input into Ameritech's Service Management System (“SMS”). In addition, Ameritech shall provide Frontier equivalent access to the SMS to design, create, test, and deploy Advanced Intelligent Network.

6.3.2 Access to the SMS will be provided in an equivalent manner to that which Ameritech currently uses to provide such access to itself (e.g., submitting magnetic tapes if Frontier inputs magnetic tapes, or through an electronic interface equivalent to that used by Frontier). The Implementation Team shall set forth in the Implementation Plan the terms and conditions relating to such access. If the Implementation Team is unable to agree to appropriate mediation mechanisms with respect to access to the AIN SMSs and SCEs, the Parties shall adopt the mechanisms adopted by the Commission.

6.3.3 Ameritech shall provide access to its SMS in a manner that complies with the CPNI requirements of Section 222 of the Act.

7.0 **Operations Support Systems Functions**

7.1 Ameritech shall provide Frontier access to, and Frontier shall use the, Operations Support Systems functions on or before the dates set forth on the Implementation Schedule.

7.2 Ameritech shall also provide Frontier access to and Frontier shall use the functionality of any internal gateway systems Ameritech employs in performing the OSS functions described in **Schedule 9.2.6** for its own Customers. A “gateway system” means any electronic interface Ameritech has created for its own use in accessing support systems for providing any of such OSS functions.

8.0 **Operator Services and Directory Services.**

8.1 Ameritech shall provide Frontier access to Ameritech's Operator Service and Directory Assistance facilities where technically feasible.

8.2 Ameritech shall provide unbundled Operator Services (“OS”) and Directory Assistance (“DA”) to Frontier in conjunction with Telephone Exchange Service provided to Frontier as a purchaser of Resale Services and as an Unbundled Local Switching Network Element or directly as a separate Network Element. A list identifying the NPA/Exchange areas of Ameritech Directory Assistance, and dependent Information Call Completion services will be

provided to Frontier and will be updated as such DA services are provided in additional NPA/Exchange Areas.

8.3 Frontier will obtain any required custom routing and obtain or provide the necessary direct trunking and termination facilities to the mutually agreed upon meet point with Ameritech facilities for access to unbundled OS and DA services. Frontier is responsible for delivering its OS and DA traffic to Ameritech's operator service switch. Specifically, Frontier shall deliver its traffic direct from the End Office to the operator service switch location, and there can be no Tandem Switching for OS. The operator service location to which Frontier will deliver its OS or DA traffic will be determined by Ameritech based on the existing capacity of its service centers. Ameritech will, if technically feasible, enable Frontier to deliver its OS or DA traffic to the operator service switch most closely located to the Frontier's NPA/exchange originating the call.

8.4 Ameritech will provide and maintain the equipment at its OS and DA centers necessary to perform the services under this Agreement, with the goal of ensuring that the OS and DA service meets current industry standards.

8.5 Ameritech will provide OS and DA in accordance with its then current internal operating procedures and/or standards.

8.6 Ameritech will maintain a quality of service that will satisfy the standards, if any, established by the Commission having jurisdiction over the provision of such service. Frontier has the right, once annually, to visit each Ameritech owned or subcontracted office upon reasonable notice to Ameritech or with greater frequency by mutual consent of the Parties. Upon request, Ameritech will provide monthly system results regarding speed of answer, average work time and, for DA only, abandon from queue measurements.

8.7 Frontier is solely responsible for providing all equipment and facilities to deliver OS and DA traffic to the point of Interconnection with Ameritech facilities.

8.8 Frontier will provide and maintain the equipment at its offices necessary to permit Ameritech to perform its services in accordance with the equipment operations and traffic operations which are in effect in Ameritech's DA and OS offices. Frontier will locate, construct, and maintain its facilities to afford reasonable protection against hazard and interference.

8.9 Upon request and to the extent technically feasible, Ameritech will unbundle OS and DA from resellers of its Telephone Exchange Service so that Frontier can provide its own OS or DA service or obtain it from a third party. Also, upon request, Ameritech will provide unbundled OS and/or DA as a stand alone unbundled Network Element to Frontier. In either case, Frontier is required to obtain any required custom routing and obtain and/or to provide other facilities, services and Network Elements necessary to deliver its OS and DA traffic to Ameritech's designated office, or to the office of another provider, as applicable.

8.10 Upon request of Frontier, Ameritech shall provide access to Frontier of the name, address and telephone directory information of Ameritech's Telephone Exchange Service

Customers so that Frontier can provide its own DA Service. Access to such listings shall be provided on the terms and conditions set forth in a separate listings license agreement between the parties.

8.11 Upon request, and as technically feasible, Ameritech will provide through an electronic interface, unbundled access to its databases used to provide DA and OS for purpose of enabling Frontier to provide its own OS or DA service. Such unbundled access to DA and OS databases is provided as is technically feasible based upon the facilities, equipment and software involved, and upon agreement by Frontier to pay to Ameritech its costs of developing, installing, providing and maintaining such Network Element.

8.12 Specifically, upon request, Ameritech will provide through an electronic interface, unbundled access to its DA database to permit Frontier to have its local exchange directory assistance listings in the areas incorporated into the database, and/or to read the DA listing (with the exception of non-published listing) in that database for the purpose of providing its own DA service. Such unbundled access will be provided in a technically feasible manner based upon the facilities, equipment and software involved, and upon agreement by Frontier to pay to Ameritech its costs of developing, installing, providing and maintaining such Network Element.

8.13 Access of resellers and Frontier to DA and OS of Ameritech, and the DA and OS Network Elements provided hereunder, whether provided on a bundled or unbundled basis, will, as applicable and as feasible, be provided through the standard interfaces, parameters, intervals, service descriptions, protocols, procedures, practices and methods that Ameritech uses for other customers of its DA and OS services.

8.14 Frontier will furnish to Ameritech all information necessary for provision of OS and DA. This information, to the extent it is identified as such, shall be treated as Proprietary Information. For OS this information includes emergency agency phone numbers, rate information (such as mileage bands and operator surcharge information), and originating screening information.

8.14.1 To the extent that Frontier does not mirror Ameritech's operator surcharge rates, then Ameritech will, if technically feasible, enter Frontier's surcharge rates into Ameritech's rate tables, and will charge Frontier for changing those tables at the rates then charged by Ameritech for such service.

8.14.2 For DA services, Frontier will furnish Ameritech ninety (90) days (or such earlier time as the Parties may agree upon) before DA service is initiated details necessary to provide that service. This information includes listing information for the areas to be served by Ameritech and network information necessary to provide for the direct trunking of the DA calls.

8.14.3 Frontier will keep these records current and will inform Ameritech, in writing, at least thirty (30) days prior to any changes in the format to be made in such

records. Frontier will inform Ameritech of other changes in the records on a mutually agreed-upon schedule.

8.15 Upon request, and as technically feasible, Ameritech will re-brand such OS and DA services based upon Frontier's obtaining or providing any required facilities, services, Network Elements and custom routing, and their agreement to pay rates that compensate Ameritech for any costs it incurs in developing, installing, providing and maintaining such rebranded service. For branding of calls, Frontier must provide two (2) cassette tapes of an announcement, no longer than three (3) seconds, for installation on each OS and DA switch serving Frontier's Customers.

8.16 Branding: Re-branding is available as follows:

- (a) Mechanized front-end branding is available for all manual and automated OS calls.
- (b) Mechanized back-end branding is available for automated calling card calls handled via ACCS.
- (c) On mechanized collect and billed-to-third calls, back-end branding is not currently available.
 - (1) Such calls can be manually handled and branded.
 - (2) If Customer desires mechanized branding, the feature can be installed if Frontier pays for feature purchase and installation.

Normally, OS and DA services, both bundled and unbundled, will be branded with Ameritech's name as the provider of the service. Upon request from Frontier, and as technically feasible, Ameritech will re-brand OS and DA traffic from Frontier's telephone exchange lines, or to Frontier's unbundled OS or DA network element. Re-branded service requires that Frontier arrange to have the subject OS or DA traffic delivered to Ameritech's Central Office on separate trunks, which may require that it obtain custom routing, and obtain or provide such trunks and other applicable facilities.

Re-branding is provided at rates that recover Ameritech's costs of developing, installing, providing and maintaining such service.

8.17 Frontier grants to Ameritech during the term of this Agreement a non-exclusive license to use the DA listings provided pursuant to this Agreement. DA listings provided to Ameritech by Frontier under this Agreement will be maintained by Ameritech only for providing DA information, and will not be disclosed to third parties. Nothing in this Agreement shall prohibit Ameritech and Frontier from entering into a separate agreement which would allow Ameritech to provide or sell Frontier's DA listing information to third parties, but such provision or sale would only occur under the terms and conditions of such separate agreement.

8.18 Ameritech will supply Frontier with call detail information so that Frontier can rate and bill the call. This information excludes rating and invoicing of Customers, unless negotiated on an individual case basis.

SCHEDULE 9.10

NETWORK ELEMENT PERFORMANCE ACTIVITIES

A. Non-DS1 Loops-Standard Intervals

<u>Volume*</u>	<u>Interval</u>
1-24	5 Business Days
25-48	6 Business Days
49-96	7 Business Days
97+	Negotiated

*Number of Loops Per Order Per Day

B. DS1 Unbundled Local Transport

1. Facilities Available	7 Business Days
2. Facilities or Force Not Available	Negotiated Interval

C. DS3-Unbundled Local Transport Negotiated Interval

D. OC-N-Unbundled Local Transport Negotiated Interval

SCHEDULE 10.1
WHOLESALE RESALE SERVICES

The Resale Services provided hereunder by Ameritech are those Telecommunications Services set forth in the Resale Tariff(s). The rates for such Resale Services are set forth in the Resale Tariff(s).

SCHEDULE 10.9.2

RESALE PERFORMANCE BENCHMARKS

A. Installation

1. Installation Intervals

a. POTS

(1) Percentage Installed on Time

(2) Installation Interval More Than Six (6) Business Days

b. HICAP: Percentage of Missed Appointments

c. SUBRATE: Percentage of Missed Appointments

2. New Service Failures

a. POTS: Percentage of New Service Failures During First Seven (7) Calendar Days from Installation Date

b. HICAP: Percentage of New Service Failures During First Thirty (30) Calendar Days from Installation Date

c. SUBRATE: Percentage of New Service Failures During First Thirty (30) Calendar Days from Installation Date

B. Repair

1. Time to Repair

a. POTS: If and as required by the Commission, out-of-service in excess of twenty-four (24) hours

b. HICAP: Percentage of Repairs Not Completed within two (2) hours

c. SUBRATE: Percentage of Repairs Not Completed within three and one-half (3½) hours

2. Percentage of Initial Trouble Reports

3. Percentage of Code 4 Troubles

C. Time to Provide Firm Order Confirmation

1. Switched Services: Percentage of Firm Order Confirmations Provided to Frontier within four (4) Business Days Receipt of accurate and valid Service Order.
2. HICAP Services: Percentage of Firm Order Confirmations Provided to Frontier within One (1) Business Day of Receipt of accurate and valid Service Order.

D. Speed of Answer - Measured on an aggregate basis of all calls placed to:

1. Service Center: Percentage of Calls to Service Center made during normal business hours that are answered within ten (10) seconds.
2. Repair Center: Percentage of Calls to Repair Center that are answered within twenty (20) seconds.
3. Operator Services: Toll Assistance Speed of answer (seconds).
4. Operator Services: Directory Assistance Speed of answer (seconds).

SCHEDULE 10.11.1

FORM OF REPRESENTATION OF AUTHORIZATION^{1/}

This Representation of Authorization is delivered by Party A, a _____ corporation with offices at _____ (“Party A”) to Party B, a _____ corporation with offices at _____ (“Party B”) pursuant to that certain Interconnection Agreement under Sections 251 and 252 of the Telecommunications Act of 1996 dated as of March __, 1998 by and between the Parties (the “**Interconnection Agreement**”). Capitalized terms used but not otherwise defined herein shall have the meanings ascribed in the Interconnection Agreement.

Party A hereby represents to Party B, for purposes of obtaining a Customer’s Customer Proprietary Network Information (“**CPNI**”) or for placing an order to change or establish a Customer’s service, that it is a duly certificated LEC and that it is authorized to obtain CPNI and to place orders for Telephone Exchange Service (including Resale Service) upon the terms and conditions contained herein.

1. With respect to requests for CPNI regarding prospective Customers of Party A, Party A acknowledges that it must obtain written authorization in the form of a signed letter (“**Letter**”) that explicitly authorizes Party A to have access to the prospective Customer’s CPNI. The Letter must be signed by the prospective Customer or the prospective Customer’s authorized representative. In order to obtain the CPNI of the prospective Customer, Party A must submit to Party B the Letter. If Party A cannot provide a Letter, then Party B shall not provide CPNI to Party A.
2. With respect to placing a service order for Telephone Exchange Service (including Resale Services) for a Customer, Party A acknowledges that it must obtain (i) a Letter or (ii) authorization through other means permitted by Applicable Law that governs a PLEC change (“**Documentation of Authorization**”), in each case that explicitly authorizes Party A to change such Customer’s PLEC and provide Telephone Exchange Service to such Customer. The Documentation of Authorization must be made by the prospective Customer or Customer’s authorized representative. Party A need not submit the Documentation of Authorization to process a service order. However, Party A hereby represents that it will not

^{1/} For purposes of this **Schedule 10.11.1**, “**Party A**” means the carrier requesting access to a prospective Customer’s CPNI and “**Party B**” means the Party that provides the CPNI. As provided in **Section 10.11.1**, each Party shall deliver to the other Party a Representation of Authorization in the form of this **Schedule 10.11.1**.

submit a service order to Party B unless it has obtained appropriate Documentation of Authorization from the prospective Customer and has such Documentation of Authorization in its possession.

3. The Documentation of Authorization must clearly and accurately identify Party A and the prospective Customer. Party B will only disclose CPNI to agents of Party A identified in the Letter or Documentation of Authorization.
4. Party A acknowledges that if the PLEC of its prospective Customer is a carrier other than Party B, Party B may have incomplete, inaccurate or no CPNI on such prospective Customer. In such cases, Party A agrees that it, and not Party B, has the sole obligation to request the CPNI of such prospective Customer from that Customer's PLEC.
5. Party A shall retain all Documentation of Authorization in its files for as long as Party A provides Telephone Exchange Service to the Customer or for as long as Party A makes requests for information on behalf of the Customer.
6. Party A shall make Documentation of Authorization available for inspection by Party B during normal business hours. In addition, Party A shall provide Documentation of Authorization for Customers or prospective Customers to Party B upon request.
7. Party A is responsible for, and shall hold Party B harmless from, any and all Losses resulting from Party B's reliance upon Party A's representations as to its authority to act on behalf of a Customer or prospective Customer in obtaining CPNI from Party B or placing a service order with Party B for Telephone Exchange Service. In addition, Party A acknowledges that Party B makes no representation or warranty as to the accuracy or completeness of any CPNI disclosed hereunder and that Party B shall have no liability to Party A in connection therewith.
8. If Party A fails to abide by the procedures set forth herein, Party B reserves the right to insist upon the submission of a Letter or other Documentation of Authorization for each Customer in connection with a request for a service order.
9. This Representation of Authorization shall commence on the date noted below and shall continue in effect until the termination or expiration of the Interconnection Agreement.

Dated this day of November 1998

PARTY A

By: _____
Title: _____
Printed Name: _____

SCHEDULE 10.11.2

PROCEDURES FOR THE SELECTION OF PRIMARY LOCAL EXCHANGE CARRIERS

In the event that Frontier submits an order under this Agreement, and the Customer notifies Ameritech within the greater of ninety (90) days or two (2) billing cycles of the date Frontier submitted such order that it did not authorize Frontier to provide local exchange Telecommunications Services to the Customer, Frontier must provide Ameritech with that Customer's Letter or Documentation of Authorization within three (3) Business Days after receipt of Ameritech's request. In the event that Frontier cannot provide the Letter or Documentation of Authorization within three (3) Business Days, Frontier must within three (3) Business Days thereafter:

- notify Ameritech to change the Customer back to the Local Exchange Carrier that provided service to the Customer before the change to Frontier was made, and
- provide any information and billing records Frontier has obtained relating to such Customer to the prior carrier; and
- pay Ameritech \$50.00 per line to compensate Ameritech for switching the Customer back to the original carrier.

Any Customer (of Ameritech or Frontier) may request Ameritech to permit changes of PLEC only upon password-based notification to Ameritech that such Customer wishes to change its PLEC. In such a situation, Ameritech will not change such Customer's PLEC without such password-based notification.

SCHEDULE 10.12.5

LAW ENFORCEMENT INTERFACES

1.0 Introduction. Consistent with Applicable Law, it is necessary for Frontier and Ameritech to provide interface requirements to allow Frontier to use a standard set of procedures for meeting the requirements of applicable law enforcement agencies (“**Law Enforcement Process**”). The Law Enforcement Process will enable Frontier to provide identical services to its Customers. These services include Annoyance Call Bureau, wire intercept, wire trap, wire trace, fraud control, physical security and subpoena management.

2.0 Law Enforcement. Definition - The Law Enforcement Process assures that Frontier (as a reseller of Resale Services) is in total compliance with law enforcement requirements related to providing local Services to its Customers. Ameritech (switch owner or access provider) agrees to support law enforcement requirements as provided by the CALEA.

3.0 Annoyance Call Bureau.

3.1. Definition - Ameritech Annoyance Call Bureau (AACB) conducts investigations to help determine who the unwanted callers are after victims receive annoying calls and files an official complaint with the local law enforcement agency. Annoying calls are: threatening, harassing, obscene, prank, hang-ups, unwanted sales pitches, and survey calls. The information obtained will only be released to the local law enforcement agency.

3.2. When Frontier must initiate a wire trap or trace as a result of its customer receiving an annoying call (e.g., threatening, harassing, obscene, prank, hang-ups, unwanted sales pitches, and survey calls), the following operational interfaces should occur:

3.2.1. Frontier (the reseller) shall inform its Customer that they must file a formal complaint with the local police department and obtain agency’s name, officer’s name and case or report number.

3.2.2. Frontier shall contact Ameritech Annoyance Call Bureau on behalf of its Customer and provide the required information to initiate trap or call trace.

3.2.3. The AACB shall conduct investigations to determine who the unwanted caller is; work with local police departments to gather evidence; and even testify in court on behalf of Frontier Customers who have received annoying calls. AACB will build case for and establish trap for twenty-one (21) days. Frontier shall contact the AACB to renew the trap beyond twenty-one (21) days.

3.2.4. The AACB shall provide to Frontier a toll free number which will be accessible daily Monday through Friday from 8:00 a.m. - 5:00 p.m.

3.2.5. For non-emergency (not life threatening) situations, Frontier shall advise its Customer to contact its local Law Enforcement Agency and to provide Frontier with required information to initiate a trap or call trace. Frontier will contact AACB during standard operating hours to establish a case. For emergency (life threatening) situations, Frontier shall inform its Customer to contact its local Law Enforcement Agency and this Agency will contact Ameritech to initiate a trap or call trace.

3.2.6. Additionally, for emergency situations, Ameritech corporate security will provide Frontier representatives with an emergency security contact number.

3.2.7. Frontier's Customer must contact Frontier with the dates and times of the unwanted calls. Frontier shall fax the dates and times of the unwanted calls to the Annoyance Call Bureau.

3.2.8. At the end of the tracing investigation (twenty-one (21)-day period), Ameritech Annoyance Call Bureau shall send written confirmation to Frontier informing Frontier of the disposition of the case (i.e., successful or non-successful). All evidence obtained on a successful case will be forwarded to the local law enforcement agency that Frontier provided to the AACB. Frontier shall inform its Customer of the results of the investigation.

3.2.9. If Frontier Customers call Ameritech to initiate an annoying call report, Ameritech shall advise the person receiving the annoying or harassing to call Frontier.

4.0 Wire Intercept.

4.1. Definition - Requests from law enforcement agencies to conduct a form of electronic or mechanical eavesdropping where, upon court order, law enforcement officials surreptitiously monitor phone calls (e.g., conversations or data) of Frontier Customers.

4.2. Operational Interface Requirements - The Law Enforcement Agency (e.g., local police department or government organization) shall serve Ameritech with a court order, authorizing Ameritech to conduct a wire intercept on the Frontier Customer line.

5.0 Pen Register (Dial Number Recorder).

5.1. Definition - Requests from law enforcement agencies to conduct a "form" of identifying calls dialed by Frontier Customers in local Exchange Areas. A pen register is a mechanical device that records the numbers dialed or pulsed on a telephone by monitoring the electrical impulses caused when the dial on the telephone is released. A pen register does not

overhear oral communications and does not indicate whether calls are actually completed; thus, there is no recording or monitoring of the conversations.

5.2. Operational Interface Requirements - See Wire Intercept **Section 4.1**.

6.0 Trace.

6.1. Definition - A form of electronic identification of calling numbers, where, upon consent from the Frontier Customer (via Frontier) or court order, law enforcement officials request a record of calling numbers to the premises of the Frontier Customer.

6.2. Central Office Features - Call Trace is an advanced custom calling feature which provides Frontier direct line Customers the ability to activate the feature by dialing a designated code. This will automatically trace the telephone number of the line used for the last call received by the Customer. The traced number will not be provided to the Customer, but will be provided to law enforcement officials.

7.0 Subpoena Management.

7.1. Definition - The law enforcement process initiated to compel the production of certain specific documents (e.g., Customer information, name, address, service type, call usage records, etc.) relevant to a legal proceeding, are made and make them readily retrievable by local police departments, government organizations, and attorneys. Other legal demands require the capability to honor other legal process demands (e.g., establishment of dialed number recorders, wire intercepts, & trace services, etc.)

7.2. Operational Interface Requirements - The law enforcement agency (e.g., local police department, government organization, or attorney) shall serve Ameritech an original subpoena naming Ameritech in its court document for requests for Customer information (see above definition). Ameritech shall forward call trace information to the law enforcement agency for inquiries regarding Frontier Customers. If the law enforcement agency serves Frontier the original subpoena, Frontier shall forward a copy of the original subpoena to Ameritech and advise the law enforcement agency to re-send an original subpoena naming Ameritech in its court document. Ameritech shall notify Frontier of the resolution of the investigation. However, Ameritech shall only provide the results of the investigation to the proper law enforcement agency.

7.3. Operations Interface Requirements for calls originating from a long distance carrier, computer, fax machine, pay phones, and telemarketing calls to Frontier's Customers are pending further discussions with Ameritech.

SCHEDULE 10.13

RESALE MAINTENANCE PROCEDURES

By the end of Contract Month 1, the Implementation Team shall agree upon the processes to be used by the Parties for maintenance of Resale Services. These processes will address the implementation of the requirements of this **Schedule 10.13**.

1. Ameritech shall provide repair, maintenance, and testing, for all Resale Services in accordance with the terms and conditions of this **Schedule 10.13**.

2. Ameritech technicians shall provide repair service that is at least equal in quality to that provided to Ameritech Customers; trouble calls from Frontier Customers shall receive response time priority that is at parity to that of Ameritech Customers and shall be based on trouble severity, regardless of whether the Customer is a Frontier Customer or an Ameritech Customer.

3. Ameritech shall provide Frontier with the same scheduled and non-scheduled maintenance, including required and recommended maintenance intervals and procedures, for all Resale Services provided to Frontier under this Schedule that it currently provides for the maintenance of its own network. Ameritech shall provide Frontier notice of any scheduled maintenance activity which may impact Frontier's Customers on the same basis it provides such notice to its subsidiaries, Affiliates, other resellers and its retail Customers. Scheduled maintenance shall include such activities as switch software retrofits, power tests, major equipment replacements, and cable rolls.

4. Ameritech shall provide notice of non-scheduled maintenance activity that may impact Frontier Customers. Ameritech shall provide maintenance as promptly as possible to maintain or restore service and shall advise Frontier promptly of any such actions it takes.

5. If service is provided to Frontier Customers before the Maintenance EI is established between Frontier and Ameritech, Frontier will transmit repair calls to Ameritech repair bureau by telephone.

6. Ameritech repair bureau, including the Maintenance EI to be established, shall be on-line and operational twenty-four (24) hours per day, seven (7) days per week except when preventative maintenance and software revisions require an out-of-service condition. Ameritech will provide Frontier a twenty-four (24) hour advanced notification of such out-of-service conditions.

7. Ameritech shall provide progress reports and status-of-repair efforts to Frontier upon request, and at a frequency interval to be agreed upon by the Parties. Ameritech shall inform Frontier of restoration of Resale Service after an outage has occurred.

8. Maintenance charges for premises visits by Ameritech technicians shall be billed by Frontier to its Customer, and not by Ameritech. The Ameritech technician shall, however, present the Customer with unbranded form detailing the time spent, the materials used, and an indication that the trouble has either been resolved or that additional work will be necessary, in which case the Ameritech technician shall make an additional appointment with the Customer. The Ameritech technician shall obtain the Customer's signature when available upon said form, and shall use the form to input maintenance charges into Ameritech's repair and maintenance database.

9. Dispatching of Ameritech technicians to Frontier Customer premises shall be accomplished by Ameritech pursuant to a request received from Frontier. The gateway provided by Ameritech for the Maintenance EI shall allow Frontier to receive trouble reports, analyze and sectionalize the trouble, determine whether it is necessary to dispatch a service technician to the Customer's premises, and verify any actual work completed on the Customer's premises.

10. Upon receiving a referred trouble from Frontier, the Ameritech technician will offer a dispatch appointment and quoted repair time dependent upon Ameritech's force-to-load condition. Ameritech's maintenance administrators will override this standard procedure on a non-discriminatory basis, using the same criteria as Ameritech uses to expedite intervals for itself and its subsidiaries, Affiliates and retail Customers. If Ameritech will be unable to meet a Frontier expedited request, Ameritech will notify Frontier.

11. The Implementation Plan will establish a process for disaster recovery that addresses the following:

- (a) Events affecting Ameritech's network, work centers and Operational Support Systems functions;
- (b) Establishing and maintaining a single point of contact responsible for disaster recovery activation, statusing and problem resolution during the course of a disaster and restoration;
- (c) Procedures for notifying Frontier of problems, initiating restoration plans and advising Frontier of the status of resolution;
- (d) Definition of a disaster; and
- (e) Equal priority, as between Frontier Customers and Ameritech Customers, for restoration efforts, consistent with FCC Service Restoration guidelines, including, deployment of repair personnel, and access to spare parts and components.

SCHEDULE 10.13.2

SERVICE ORDERING AND PROVISIONING INTERFACE FUNCTIONALITY

The Provisioning EI will provide Frontier with the ability to:

- a) Obtain, during sales discussions with a Customer, access to the following Ameritech Customer service record data in a manner which is transparent to the Customer:
 - Billing telephone number/name/address
 - Service Location Address
 - Working telephone number(s) on the account
 - Existing service and features
 - Blocking
 - CLASS Features
 - Telephone Assistance Programs, Telephone Relay Service and similar services indicator
 - Special Exemption Status indicator
 - Directory Listing Information
 - Information necessary to identify the IntraLATA toll provider and InterLATA provider, as applicable.
- b) Obtain information on all features and services available;
- c) Enter the Frontier Customer order for all desired features and services;
- d) Assign a telephone number (if the Frontier Customer does not have one assigned);
- e) Establish the appropriate directory listing;
- f) Determine if a service call is needed to install the line or service;
- g) Schedule dispatch and installation, if applicable;
- h) Provide installation dates to Customer;
- i) Order local intraLATA toll service and enter Frontier Customer's choice of primary interexchange carrier on a single, unified order; and
- j) Suspend, terminate or restore service to a Frontier Customer.

Ameritech will support four (4) transaction types: Assume; Change; New; and Delete, as described in Ameritech's Electronic Service Guide, which is based on TCIF Customer Service, Issue 5.

Notwithstanding the foregoing, Frontier shall be entitled to place orders to transfer a Customer to Frontier without identifying the specific features and services being subscribed by such Customer at the time of the request (“**Migration-As-Is**”). However, unless agreed to by Ameritech, Migration-As-Is will not include any service subscribed which is not a Telecommunications Service.

Frontier may request that the standard interval for provisioning will be expedited if Ameritech's standard intervals do not meet the Frontier Customer's requested due date. Orders will be expedited by Ameritech on the same basis as it expedites orders for itself and its subsidiaries, Affiliates and retail Customers. If Ameritech will be unable to meet a Frontier expedite request, Ameritech will notify Frontier.

SCHEDULE 12.9.1

PHYSICAL COLLOCATION SPACE RESERVATION

Space for Physical Collocation may be reserved on the following basis:

1. Frontier may request to reserve additional space in an Ameritech Central Office in which the Frontier has (or is ordering) Physical Collocation for permitted telecommunications-related equipment.
2. A reservation may be maintained only by the payment of a non-recurring charge to defray the administrative costs of the reservation system (“**Reservation Charge**”).
3. The reservation can be made for an amount of space no greater than the amount of active Physical Collocation space being utilized (or ordered) for Interconnection with and/or access to the Network Elements of Ameritech by Frontier in the particular Central Office.
4. The reservation takes a priority based on the time at which it is made.
5. If Ameritech receives an order for Physical Collocation in an office in which all the unoccupied space is covered by reservations, all reservations will be prioritized. The holder(s) of the lowest priority reservation(s) that when considering all higher priority reservations, still represent(s) available space sufficient to fill the order(s) for Physical Collocation (each, an “**Option Party**”) will be given written notice of its (their) option of “enforcing” or relinquishing its (their) reservation(s).

In this case, an Option Party may enforce its reservation by payment of the recurring Physical Collocation floor space charge otherwise applicable to the reservation space (in lieu of the non-recurring Reservation Charge). The reservation will be maintained until the Physical Collocation arrangement in that office is terminated or the reservation is terminated, whichever comes first. If an Option Party decides to enforce its reservation in this manner, the holder(s) of the reservation(s) with the next higher priority will be given the option of enforcing or relinquishing its (their) reservation(s).

If an Option Party declines to enforce its reservation as indicated above, the reservation is relinquished and the reservation payment is forfeited. A new reservation may be activated by payment of another Reservation Charge, but the new reservation will be given a priority based on the time Ameritech received the reactivation reservation. The holder(s) of the reservation(s) with the next higher priority will be required to enforce or relinquish its (their) reservation(s) until such time as all Option Parties have either enforced or relinquished its (their) space reservation(s).

6. The holder of a valid reservation may place an order for Physical Collocation for the reserved space at any time. If there is sufficient unoccupied space to accommodate the order after subtracting space covered by reservations of higher priority, the order will be processed. If there is

insufficient space to accommodate the order after subtracting space covered by valid reservations of Option Parties with higher priority that have been enforced, the holder's reservation shall be maintained.

7. In a Central Office, Ameritech may reserve space on the following conditions:

- The amount of space must be the least amount of space reasonably necessary for the provision of a communications-related service -- including Interconnection and the provision of unbundled Network Elements. Except for space reserved for switch (including Tandem Switches and STPs) conversion and growth and for augmentation and conversion of mechanical and electrical support systems and building infrastructure, the reserved space must reasonably be anticipated to be used in three (3) years.
- The total amount of space reserved cannot exceed the amount of space Ameritech is currently using in the Central Office.

8. Ameritech shall enforce its reservation in the same manner in which Frontier and other collocating Telecommunicating Carriers shall be required to enforce their reservations. In that case, Ameritech may impute the floor space charge to the operations for which the space is reserved.

SCHEDULE 12.9.3

COLLOCATION CAPACITY PLANNING

By the end of Contract Month 3, Frontier and Ameritech shall jointly develop a planning process for meeting Frontier's space and intraoffice facility requirements which shall include the procedures to be followed for the Frontier quarterly forecast of anticipated additional power requirements.

SCHEDULE 12.12

DELIVERY OF COLLOCATED SPACE

1.0 Delivery of Physical Collocation Space

1.1 Upon receiving the written notification of the availability of Collocation space from Ameritech, Frontier shall send written verification that it still requires each Collocation space requested on Frontier's application for which space is available. This written verification is Frontier's firm order for service for each Collocation space requested. Subject to **Section 1.3** below, Frontier's written verification shall be accompanied by Frontier's payment of forty percent (40%) of all applicable Central Office Build Out (“COBO”) fees (the “**Initial COBO Payment**”). COBO modifications and additions to space described in the proposal will not begin until the Initial COBO Payment has been paid. Delayed payment of the Initial COBO Payment may delay the actual Delivery Date.

1.2 So long as Frontier has a satisfactory credit rating with Ameritech for the twelve (12) month period preceding the date of Frontier's request for Collocation pursuant to **Section 12.12**, Frontier shall pay the COBO charges as follows:

Initial COBO Payment: 40% of COBO charges

Delivery by Ameritech of confirmation
that construction of space is fifty percent
(50%) complete: 40% of COBO charges

Completion of space conditioning: 20% of COBO charges

If Frontier's credit rating is not satisfactory within the aforementioned period, Frontier shall pay Ameritech the COBO charges in accordance with the provisions of Ameritech's applicable tariff.

2.0 Additional Rules and Regulations Applicable to Physical Collocation Space

Physical Collocation will be provided subject to the following provisions:

2.1 Frontier will be responsible for any extraordinary costs incurred by Ameritech to prepare the Collocation space for the installation of Frontier's equipment and for extraordinary costs to maintain the Collocation space for Frontier's equipment on a going-forward basis. Extraordinary costs may include costs for such items as asbestos removal, fire suppression system or containment, modifications or expansion of cable entry facility, increasing the DC power system infrastructure capacity, increasing the capacity of the standby AC system or the existing commercial power facility, conversion of non-Collocation space, compliance with federal and state requirements or other modifications required by local ordinances. Ameritech will charge for these costs on a time-

sensitive or time-and-materials basis. An estimate of such costs plus contribution will be provided to Frontier prior to commencing such work. Extraordinary costs will only be billed to Frontier if such costs have been authorized by Frontier. Ameritech must advise Frontier if extraordinary costs will be incurred within ten (10) Business Days after Frontier's walkthrough. Otherwise, Frontier will not be responsible for such costs. Extraordinary costs do not include costs associated with maintenance and upkeep of the building.

At the initial walkthrough referred to in **Section 12.12.2(b)**, Ameritech shall provide to Frontier with any information in its possession relating to Frontier's requirements for the space. Within ten (10) Business Days after the initial walkthrough, Ameritech shall provide to Frontier a written proposal that details the associated requirements and the applicable charges required to meet Frontier's specific request and the expected service date. Frontier shall acknowledge acceptance of the charges in the written proposal by signing it and returning a copy to Ameritech. The Frontier will sign and return the proposal within a reasonable time as delay may jeopardize the due date. Upon receipt of Frontier's signed proposal, Ameritech will begin the work and charge Frontier for the actual time and material needed to complete the modifications plus a reasonable contribution. In no case will actual charges exceed those estimated by more than ten percent (10%).

2.2 Frontier will be responsible for notifying Ameritech of any significant outages of Frontier's equipment which could impact any of the services offered by Ameritech, and provide estimated clearing time for restoration.

2.3 Frontier is responsible for coordinating with Ameritech to ensure that services are installed in accordance with the service request.

2.4 Frontier is responsible for testing, if necessary, with Ameritech to identify and clear a trouble when the trouble has been sectionalized (isolated) to a Frontier-provided service.

2.5 Before beginning delivery, installation, replacement or removal work for equipment and/or facilities located within the Collocation space, Frontier shall obtain Ameritech's written approval of Frontier's proposed scheduling of the work in order to coordinate use of temporary staging areas and other building facilities. Ameritech may request additional information before granting approval and may require scheduling changes. Frontier must submit written plans for equipment to be installed in the Collocation space prior to commencing installation.

2.6 Ameritech has the right to inspect Frontier's completed installation of equipment and facilities and to make subsequent and periodic inspections of the customer's equipment and facilities occupying a Collocation space and associated entrance conduit and riser space. If Frontier is found to be in non-compliance with the terms and conditions of this Schedule, Frontier must modify its installation to achieve compliance. Ameritech will notify Frontier in advance of such inspections, and Frontier shall have the right to be present at the time of the inspection.

3.0 Delivery of Virtual Collocation Space

3.1 Ameritech shall allow periodic inspections of Virtual Collocation space where Frontier equipment is located.

3.2 Ameritech shall ensure that all applicable alarm systems (e.g., power) that support Frontier equipment are operational and the supporting databases are accurate so that equipment that is in alarm will be properly identified.

3.3 See Tariff F.C.C. No. 2, Section 16.3.

SCHEDULE 12.15

COMMON REQUIREMENTS

The following requirements are applicable to both Physical and Virtual Collocation:

1. Ameritech shall provide to Frontier any intraoffice facilities that Frontier requests and that Ameritech provides by tariff or contract to any carrier.
2. Ameritech shall allow for a Fiber Meet arrangement between the Parties' networks and facilities at the DS0, DS1, DS3, OC3, OC12 and OC48 rates pursuant to mutual agreement of the Parties.
3. Frontier may provide basic telephone service with a connection jack for the Collocated space.
4. Ameritech shall provide adequate lighting, ventilation, power, heat, air conditioning, and other environmental conditions for Frontier's space and equipment. These environmental conditions shall comply with Bellcore Network Equipment-Building System (NEBS) standards TR-EOP-000063 or other standards upon which the Parties may mutually agree.
5. Where available and consistent with reasonable security restrictions, Ameritech shall provide access to eyewash stations, shower stations, bathrooms, and drinking water within the Collocated facility on a twenty-four (24) hours per day, seven (7) days per week basis for Frontier personnel and its designated agents.
6. Ameritech shall provide all ingress and egress of fiber cabling to Frontier Collocated spaces in compliance with Frontier's request for cable diversity. The specific level of diversity required for each site or Network Element will be provided in the request for Collocation. Frontier will pay any additional costs incurred by Ameritech to meet any special diversity requirements of Frontier which are beyond those normally provided by Ameritech.
7. Ameritech shall provide Frontier with written notice five (5) Business Days prior to those instances where Ameritech or its subcontractors may be performing nonemergency work that may affect the Collocated space occupied by Frontier or the AC and DC power plants that support Frontier equipment. Ameritech will inform Frontier by telephone of any emergency-related work that Ameritech or its subcontractors may be performing that may affect the Collocated space occupied by Frontier or the AC and DC power plants that support Frontier equipment. Notification of any emergency-related work shall be made as soon as practicable after Ameritech learns that such emergency work is necessary but in no event longer than thirty (30) minutes after such time. The Implementation Plan shall identify the points of contact of each Party for any notification required by this **Section 7**. For purposes of this **Schedule 12.15**, "emergency related work" means any activity related to fire, explosion, power cable cut, flood, or severe water leakage.

8. Frontier shall not be required by Ameritech to relocate its equipment during the Initial Term or any Renewal Term. If Frontier, at Ameritech's request, agrees to relocate its equipment, then Ameritech shall reimburse Frontier for any and all costs reasonably associated with such relocation.

9. Power as referenced in this **Schedule 12.15** refers to any electrical power source supplied by Ameritech for Frontier equipment. It includes all superstructure, infrastructure, and overhead facilities, including cable, cable racks and bus bars. Ameritech will supply power to support Frontier equipment at equipment specific DC and AC voltages as mutually agreed upon by the Parties. Ameritech shall supply power to Frontier at parity with that provided by Ameritech to itself or to any third person. If Ameritech performance, availability, or restoration falls below industry standards, Ameritech shall bring itself into compliance with such industry standards as soon as technologically feasible.

10. Subject to space limitations and Frontier's compliance with the applicable request process and payment requirements of this Agreement, Ameritech shall provide power to meet Frontier's reasonable needs for placement of equipment, Interconnection, or provision of service.

11. Both Frontier's power equipment and Ameritech power equipment supporting Frontier's equipment shall comply with all applicable state and industry standards (e.g., Bellcore, NEBS and IEEE) or manufacturer's equipment power requirement specifications for equipment installation, cabling practices, and physical equipment layout.

12. Power plant alarms shall adhere to Bellcore Network Equipment-Building System (NEBS) standards TR-EOP-000063.

13. Cabling shall adhere to Bellcore Network Equipment-Building System (NEBS) standards TR-EOP-000063.

14. Ameritech shall provide Lock Out Tag Out and other electrical safety procedures and devices in accordance with OSHA or industry guidelines.

15. Within ten (10) Business Days after the initial walkthrough, Ameritech shall provide Frontier with a copy of any existing drawings showing Frontier's proposed Collocation space and any related Ameritech facilities, and provide information relating to measurements for necessary Frontier cabling which are not obtainable from the drawings. Any copies of drawings shall be redacted so as not to provide proprietary information of other carriers. So long as Ameritech charges other Telecommunications Carriers for the provision of the foregoing drawings and information, Frontier shall reimburse Ameritech for the costs, if any, incurred by Ameritech to provide Frontier with the foregoing drawings and information.

SCHEDULE 12.16

ADDITIONAL REQUIREMENTS APPLICABLE TO PHYSICAL COLLOCATION

The following additional requirements shall be applicable to Physical Collocation only:

1. Subject to space limitations and Frontier's compliance with the applicable request process and payment requirements for the space, Ameritech shall provide space, as requested by Frontier, to meet Frontier's needs for placement of equipment necessary for Interconnection and access to Network Elements.
2. Ameritech shall allow requests for contiguous space in increments of 100 ft² if the space is not subject to outstanding requests by other Telecommunications Carriers.
3. Other than reasonable security restrictions, Ameritech shall place no restriction on access to the Frontier Collocated space by Frontier's employees and designated agents. Such space shall be available to Frontier designated agents twenty-four (24) hours per day each day of the week. In no case should any reasonable security restrictions be more restrictive than those Ameritech places on its own personnel or independent contractors.
4. For each building in which Collocated space is provided and upon request by Frontier for that building, Ameritech will, at its option, either certify that the building complies with all applicable environmental, health and safety regulations or complete an Environmental, Health & Safety Questionnaire in such form as agreed to by the Implementation Team. Frontier may provide this questionnaire with its request for Collocation and Ameritech shall return it or the applicable certification to Frontier within ten (10) Business Days after Ameritech's receipt thereof.
5. Ameritech shall permit Frontier to install, on equipment node enclosures, an intrusion alarm that can be remotely monitored by Frontier's work center; provided, however, that no such Frontier-installed equipment shall interfere with the existing use of the Central Office.
6. Ameritech shall construct the collocated space in compliance with Frontier's request for Collocation for cable holes, ground bars, doors, and convenience outlets as such are requested by Frontier at prices to be determined.
7. Ameritech shall provide Frontier two options to receive power for its collocation space. When ordering Physical Collocation, Frontier shall specify that Ameritech provide Central Office power to Frontier either (i) from an Ameritech BDFB to the Frontier's equipment bays or (ii) in the form of fused power feeds from Ameritech's main power distribution board to Frontier's BDFB located in the designated Frontier equipment area. The power feeders (cables) shall efficiently and economically support the requested quantity and capacity of Frontier equipment. The

termination location shall be as mutually agreed upon by the Parties. If Frontier chooses to receive power via the fused power feeds, it shall pay Ameritech for all costs, as determined in accordance with the Act, incurred by Ameritech to establish such power.

8. Ameritech power equipment supporting Frontier's equipment shall:
 - (a) Provide appropriate Central Office ground, connected to a ground electrode located within the Frontier collocated space, at a level above the top of Frontier's equipment plus or minus two (2) feet to the left or right of Frontier's final request; and
 - (b) Provide feeder capacity and quantity to support the ultimate equipment layout for Frontier equipment upon completion of the equipment node construction in accordance with Frontier's request for Collocation.

9. Ameritech shall within ten (10) Business Days after the initial walkthrough provide Frontier with documentation submitted to and received from contractors for any work being done on behalf of Frontier that will be billed as extraordinary expenses.

10. Ameritech shall secure external access to the Physical Collocation space in its Premises in the same or equivalent manner that Ameritech secures external access to spaces that house Ameritech's transmission equipment.

11. Ameritech shall within thirty (30) days of the Service Start Date provide to Frontier (i) work restriction guidelines related to any restrictions on the manner in which a Frontier contractor can perform work on Ameritech's Premises and (ii) a list of Ameritech technical guidelines applicable to the collocation of equipment in Ameritech's Premises. Frontier acknowledges that it is responsible to order such technical guidelines at its cost and expense. Ameritech will notify Frontier in a timely manner of any changes to such work restriction and technical guidelines.

PRICING SCHEDULE -- MICHIGAN^{1/}

ITEM I -- Emergency Number Service Access (ENSA)			
See Exhibit PS-I			
ITEM II -- Reciprocal Compensation			
A. End Office Local Termination	\$0.004053	per minute	
B. Tandem Switching	\$0.000698	per minute	
C. Tandem Transport Termination	\$0.000260	per minute	
D. Tandem Transport Facility Mileage	\$0.000006	per minute, per mile	
ITEM III -- Information Services Traffic			
Information Services Billing and Collection:	\$0.03	per message	
ITEM IV -- BLV/BLVI Traffic			
A. Busy Line Verification (BLV):	\$0.613	per use	
B. Busy Line Verification Interrupt (BLVI): (in addition to BLV charge)	\$0.753	per use	

^{1/} Certain of the rates, charges and prices contained in this Pricing Schedule have been established by the Commission pursuant to its July 14, 1997 and January 28, 1998 orders (collectively, the "Rate Order") in MPSC Case No. U-11280 (the "Permanent Rate Docket"). If the Commission determines that the rates, charges and prices set forth herein are inconsistent with the Commission's decision in the Permanent Rate Docket, either Party shall, upon written notice to the other Party, have the right to include or substitute rates, charges and prices that confirm to the Permanent Rate Docket. Notwithstanding anything to the contrary in this Agreement, including Section 29.3, if the Commission, a court or other tribunal of competent jurisdiction issues an order or decision modifying the Rate Order (a "Modifying Order"), either Party shall, upon written notice to the other Party, have the right to require that this Agreement be amended to reflect such Modifying Order and such amended or new rates, charges or prices shall be effective as if such rates, charges and prices were originally established in the applicable Rate Order.

ITEM V -- Unbundled Network Elements			
A. Unbundled Loop Rates			
1. Recurring Rates			
	Monthly Rates Access Area ^{2/}		
	<u>A</u>	<u>B</u>	<u>C</u>
2-Wire Analog			
Basic	\$9.43	\$12.02	\$14.86
Ground Start	\$10.17	\$13.21	\$15.89
Electronic Key Line	\$14.63	\$20.40	\$22.08
4-Wire Analog	\$22.46	\$30.05	\$34.90
Digital			
ISDN	\$11.22	\$14.92	\$17.35
4-wire 64 Kbps	\$60.29	\$60.24	\$60.06
4-wire 1.544 Mbps	\$92.88	\$71.06	\$64.58
2-wire ADSL/HDSL Compatible	\$9.43	\$12.02	\$14.86
4-wire HDSL Compatible	\$22.46	\$30.05	\$34.90
Cross-Connect Charge (additional, per cross-connect):			
2-wire	\$0.17		
4-wire	\$0.34		
6-wire	\$0.51		
8-wire	\$0.68		

^{2/} "Access Area" is as defined in Ameritech's applicable tariffs for business and residential Exchange Line Services.

DS1	\$0.46		
DS3	\$0.84		
Service Coordination Fee, Per Carrier Bill, per Switch	\$0.84		
2. Non-Recurring Rates			
Service Order -- Establish/Change: (Business or Residence)	\$6.42 ^{3/}		
Line Connection: (Business or Resident)	\$18.60 ^{4/}		
Record Change	\$6.42		
Provisioning Change	\$6.42		
B. NID ^{5/} No Charge			

C. Switching		
1. Unbundled Local Switching		
	<u>Non-Recurring</u>	<u>Monthly</u>
(a) Custom Routing		

^{3/} The Service Order Charge is a per occasion charge applicable to any number of Loops ordered for the same location and same Customer account.

^{4/} The Line Connection Charge applies to each Loop.

^{5/} Access to Network Interface Device for Accessing Customer Premises Wiring (Inside Wire).

- per new LCC, per switch	\$114.68	---
(b) ULS Ports		
- Basic Line Port, per port	\$26.83	\$2.27
- Ground Start Line Port, per port	\$26.83	\$2.77
- ISDN-Direct Port, per port per telephone number	\$26.83 ---	\$12.41 \$ 0.01
- DID Trunk Port, per port per telephone number add/rearrange each termination	\$26.83 --- \$12.17	\$13.26 \$ 0.01 ---
- ISDN Prime Trunk Port, per port per telephone number add/rearrange channels	\$309.24 --- \$12.17	\$159.23 \$0.01 ---
- Digital Trunking Trunk Port, per port	\$309.24	\$114.75
- Custom Routing Port, per port per individual trunk termination	\$309.24 ---	--- \$99.83
- Centrex Basic Line Port, per port	\$26.83	\$ 2.27
- Centrex ISDN Line Port, per port	\$26.83	\$12.41
- Centrex EKL Line Port, per port	\$26.83	\$2.78
- Centrex Attendant Console Line Port, per port	\$53.66	\$74.78
(c) Centrex System Charges		
- System Features, per common block	---	\$354.86
- Common Block establishment, each	\$189.07	---
- System features change or rearrangement, per feature, per occasion	\$25.82	---
- System feature activation, per feature, per		

occasion	\$105.98	---
(d) Service Charges		
Service Ordering Charges		
- <u>Initial</u>		
Line port, per occasion	\$6.42	---
Trunk port, per occasion	\$167.76	---
- <u>Subsequent</u>		
per occasion	\$6.42	---
- Record Order per occasion	\$6.65	---
Conversion Charge		
- change from one type of line-port to another, per each changed	\$24.64	---
Ameritech Cross-Connection Service, per carrier transport facility,		
- 2-Wire (Line port), each	---	\$0.17
- DS1 (trunk port) (each individual trunk)	---	\$0.46
(e) Service Coordination Fee		
- per carrier bill, per switch.	---	\$0.84
(f) Subsequent Training		
- per Company person, per hour	\$33.41	---
(g) ULS Usage		
- Billing Development	\$14,734.57	---
- Per minute of use or fraction thereafter		\$0.003164
- Daily Usage Feed per message		\$0.000789
2. Unbundled Tandem Switching		
Tandem Trunk (DS1), including features	\$310.31	\$131.06
Service Order Charge	\$167.76	
Cross-Connect Charge, per DS1		\$0.46
Subsequent Changes	\$12.17	---

	<u>Per Minute</u>	
Usage Without Tandem Trunks	\$0.000756	
D. Dedicated Interoffice Transmission Facility		
	<u>Non-Recurring</u>	<u>Monthly</u>
1. DS1 Rates Entrance Facility Per point of Termination Terminating Bit Rate 1.544 Mbps		
Zone 1	---	\$92.88
Zone 2	---	\$71.06
Zone 3	---	\$64.58
Interoffice Mileage Termination Per point of Termination 1.544 Mbps		
Zone 1	---	\$14.66
Zone 2	---	\$14.66
Zone 3	---	\$14.66
Interoffice Mileage Per Mile 1.544 Mbps		
Zone 1	---	\$1.37
Zone 2	---	\$1.37
Zone 3	---	\$1.37
Optional Features and Functions Clear Channel Capability Per 1.544 Mbps Circuit Arrange		
Zone 1	\$189.84	---
Zone 2	\$189.84	---
Zone 3	\$189.84	---
Interconnection Central Office Multiplexing DS1 to Voice/Base Rate/128.0, 256.0, 384.0 Kbps Transport		
Zone 1	---	\$334.09

Zone 2	---	\$334.09
Zone 3	---	\$334.09
2. DS3 Rates Entrance Facility, per Point of Termination DS3 with Electrical Interface Per Termination		
Zone 1	---	\$719.52
Zone 2	---	\$810.59
Zone 3	---	\$793.90
Interoffice Mileage Termination Per Point of Termination		
Zone 1	---	\$144.97
Zone 2	---	\$144.97
Zone 3	---	\$144.97
Interoffice Mileage Per Mile		
Zone 1	---	\$ 29.16
Zone 2	---	\$ 29.16
Zone 3	---	\$ 29.16
Optional Features and Functions Interconnection - Central Office Multiplexing, Per Arrangement DS3 to DS1		
Zone 1	---	\$383.31
Zone 2	---	\$383.31
Zone 3	---	\$383.31
3. OC-3 Rates Entrance Facility, per point of termination Terminating Bit Rate 155.52 Mbps		\$326.74
Interoffice Mileage Termination, per point of mileage termination 155.52 Mbps		\$347.19

Interoffice Mileage, per mile 155.52 Mbps		\$204.80
Optional Features and Functions		
OC-3 Add/Drop Multiplexing, per arrangement		\$562.48
Add/Drop Function Per DS3 Add or Drop Per DS1 Add or Drop		\$126.22 \$38.99
1+1 Protection, per OC-3 Entrance Facility		\$49.92
1+1 Protection with Cable Survivability, per OC-3 Entrance Facility	\$1,261.80	\$49.92
Cross-Connection of Services OC-3 to OC-3 Cross-Connect, per circuit	---	\$92.22
1+1 Protection with Route Survivability (1) Per OC-3 Entrance Facility	Apply 1+1 Protection, per OC-3 Entrance Facility Rates and Charges as specified above plus (2) below	
(2) Per Quarter Route Mile		\$41.14
4. OC-12 Rates		
Entrance Facility, per point of termination, Terminating Bit Rate 622.08 Mbps		\$530.35
Interoffice Mileage Termination, per point of mileage termination 622.08 Mbps		\$589.98
Interoffice Mileage, per mile 622.08 Mbps		\$371.24
Optional Features and Functions OC-12 Add/Drop Multiplexing, per arrangement		\$630.21
Add/Drop Function		

Per OC-3 Add or Drop		\$175.82
Per DS3 Add or Drop		38.12
Cross-Connection of Services OC-12 to OC-12 Cross-Connect, per circuit		\$486.16
1+1 Protection, per OC-12 Entrance Facility		\$246.97
1+1 Protection with Cable Survivability, per OC-12 entrance facility	\$1,261.80	\$246.97
1+1 Protection with Route Survivability (1) Per OC-12 Entrance Facility	Apply 1+1 Protection, per OC-12 Entrance Facility Rates and Charges as specified above plus (2) below	
(2) Per Quarter Route Mile		\$36.97
5. OC - 48 Rates		
Entrance Facility, per point of termination Terminating Bit Rate 2488.32 Mbps		\$2,233.48
Interoffice Mileage Termination, per point of mileage termination 2488.32 Mbps		\$1,364.94
Interoffice Mileage, per mile 2488.32 Mbps		\$239.33
Optional Features and Functions OC-48 Add/Drop Multiplexing, per arrangement (not to exceed 12 DS3s or equivalent)		\$732.90
Add/Drop Function Per OC-12 Add or Drop Per OC-3 Add or Drop Per DS3 Add or Drop		\$346.13 \$159.92 \$57.27
Cross-Connection of Services OC-48 to OC-48 Cross-Connect, per circuit		\$1,074.81
1+1 Protection, per OC-48 entrance facility		\$930.44

1+1 Protection with Cable Survivability, per OC-48 entrance facility	\$1,261.80	\$930.44
1+1 Protection with Route Survivability		
(1) Per OC-48 Entrance Facility Channel	Apply 1+1 Protection, per OC-48 Entrance Facility Rates and Charges as specified above plus (2) below	
(2) Per Quarter Route Mile		\$61.60

	<u>Administration Charge, per order</u>	<u>Design and Central Office Connection Charge, per circuit</u>	<u>Carrier Connection Charge, per termination</u>
6. Installation and Rearrangement Charges DS1 Service 1.544 Mbps			
Zone 1	\$169.14	\$267.42	\$244.02
Zone 2	\$169.14	\$267.42	\$244.02
Zone 3	\$169.14	\$267.42	\$244.02
DS3 Service 44.736 Mbps			
Zone 1	\$128.09	\$284.49	\$157.75
Zone 2	\$128.09	\$284.49	\$157.75
Zone 3	\$128.09	\$284.49	\$157.75
OC-3 Service 155.52 Mbps	\$51.93	\$211.01	\$414.21
OC-12 Service 622.08 Mbps	\$51.93	\$211.01	\$414.21
OC-48 Service 2488.32 Mbps	\$51.93	\$211.01	\$414.21

E. Shared Interoffice Transmission Facilities	
---	--

The rates, charges and prices for Shared Interoffice Transmission Facilities are the following elements set forth in F.C.C. Tariff No. 2 Sections 6.1.3 and 6.9.1: (i) Tandem-Switched Termination per Access Minute and (ii) Tandem-Switched Facility per Access Minute per Mile. To the extent that Frontier also purchases Tandem Switching, Frontier shall compensate Ameritech for such Tandem Switching at the applicable rates set forth on Item V (C) (2) of the Pricing Schedule in addition to any applicable charges for Shared Interoffice Transmission Facilities.

	<u>Non-Recurring</u>	<u>Monthly</u>	<u>Usage</u>
F. Transiting (local and intraLATA toll):			
Tandem Switching per minute	---	---	\$0.004002
Tandem Transport per minute	---	---	\$0.000260
Tandem Transport Facility per minute	---	---	\$0.000084
G. Signaling Networks and Call-Related Databases			
1. Signaling Networks (signal Links as per MPSC No. 21, Part 8)			
Signal Transfer Point, per port	\$254.79	\$270.11	---
Originating Point Code, per service added or changed	\$9.63	---	---
Global Title Address Translation, per service added or changed	\$5.18	---	---
Signal Switching, per ISUP message	---	---	\$0.000121
Signal Switching, per TCAP message	---	---	\$0.000103
Signal Transport, per ISUP message	---	---	\$0.000046
Signal Transport, per TCAP message	---	---	\$0.000031
Signal Formulation, per ISUP message			\$0.000699
Signal Formulation, per TCAP message			\$0.000417
Signal Tandem Switching, per ISUP message			\$0.000207

	<u>Per Query</u>
2. Call-Related Databases	
800 Service	
Database Query Using Ameritech - Provided Facilities	
- 800DB Call-Routing Query	\$0.002837
- 800DB Routing Options Query	\$0.000930
Local STP Database Query Utilizing Frontier Provided Facilities between the Frontier's Switch and Ameritech's STP and Ameritech Provided Facilities between Ameritech's STP and Ameritech's Regional STP	
- 800DB Carrier-ID-Only Query	\$0.001227
- 800DB Routing Options Query	\$0.000185
Regional STP Database Query Utilizing Frontier - Provided Facilities	
- 800DB Carrier-ID-Only Query	\$0.001170
- 800DB Routing Options Query	\$0.000131
LIDB Service	
LIDB Queries	
- LIDB Validation Query	\$0.013817
- LIDB Transport Query	\$0.000069
- LIDB to LIDB Query	\$0.048058
Query at regional STP	
- LIDB Validation Query	\$0.013817
- LIDB Transport Query	\$0.000013
Ameritech Provided Services requiring LIDB Queries	
- LIDB Validation Query	\$0.013817
- LIDB Transport Query	\$0.000813
- LIDB to LIDB Query	\$0.048803

3. Service Management Systems	
<u>Access to Databases</u> - TBD ^{6/}	
H. Operator Services and Directory Assistance	
1. Operator Services	
<u>Manual Call Assistance Occurrences</u> - rates will apply based on the total monthly volume and a LIDB charge will apply separately to all occurrences requiring billing validation.	
\$0.340 per occurrence	
<u>Automated Call Assistance Occurrences</u> - rates will apply based on the total monthly volume, and a LIDB charge will apply separately to all automated occurrences.	
\$0.018 per occurrence	
Branding per trunk group -- \$386.56 non-recurring charge	
2. Directory Assistance	
Directory Assistance, rate per call \$0.205	
I. Rates for Maintenance.	
1. Trip Charge -- as per Ameritech's Retail Tariff	
2. Time Charge -- as per Ameritech's Retail Tariff	
ITEM VI -- Wholesale Resale Services	
A. See Schedule 10.1	
B. "Warm" Transfer	TBD

ITEM VII -- Collocation

^{6/} "TBD" means "to be determined." The rate structure set forth herein may ultimately be modified.

A. Physical		
<u>Description</u>	<u>Recurring</u>	<u>Non-Recurring</u>
Order Charge - Per ACOI Application	---	\$123.17
Central Office Floor Space - Per 100 Sq. Ft.	\$703.69	---
Central Office Build Out - Per Initial 100 Sq. Ft. of Floor Space Requested, Per Central Office	---	\$12,482.36
- 50% charge	---	\$6,241.18
- 25% charge	---	\$3,120.59
- Per Additional 100 Sq. Ft. of Floor Space Requested, Per Central Office	---	\$5,342.22
- 50% charge	---	\$2,671.11
- 25% charge	---	\$1,335.56
Cable Vault Splicing - Per Initial Splice	---	\$90.26
- Per Subsequent Splice	---	\$6.61
Splice Testing - Per Initial Splice Test	---	\$20.73
- Per Additional Splice Test	---	\$1.22
Cable Pulling From Manhole to Cable Vault - Per First Foot	---	\$98.04
- Per Additional Foot	---	\$ 0.49
Cable Pulling From Cable Vault to Transmission Node - Per First Foot	---	\$36.59
- Per Additional Foot	---	\$0.37
Riser Space - Per Foot	\$1.05	---
Entrance Conduit - Per Inner Duct, per Foot	\$0.05	---
Power Consumption - Per Fuse AMP	\$5.73	---

Power Delivery - Per Power Lead	---	\$751.63
200 Conductor Electrical Cross-Connection Block - Per 200 Conductor Electrical Cross-Connection Block	\$69.78	---
Digital Cross-Connection Panel (DSX) - Per DSX-3 Termination (1 DS3 termination) - Per DSX-1 Panel (Up to 56 DS1 terminations)	\$16.61 \$52.04	--- ---
Optical Cross-Connection Panel (OCX) - Per OCX Panel Segment	\$6.25	---
Space Reservation Charge - Per Reservation Request	---	\$304.78
Optional Features and Functions		
Transmission Node Enclosure - Per First 100 sq. ft. Enclosed - Per Additional 100 sq. ft. Enclosed	--- ---	\$1,850.41 \$730.79
Passive Bay Termination (includes Bay and Panel) - DS1 Termination - DS3 Termination	\$0.58 \$7.32	--- ---
200 Conductor Electrical Termination Block (outside Transmission Node) - Per Termination Block	\$69.78	---
Digital Timing Source - Per Sync Signal Provided	\$14.00	---
DS1 Repeater	\$6.49	---
DS3 Repeater	\$37.69	---
Diverse Riser - Per floor traversed	---	\$224.84
B. Virtual		

Service Order Charge - Per Order	---	\$48.09
Optical Line Entrance Facility - Per Foot	\$0.05 ^{7/}	---
Riser - Space Per Foot - Per Fiber Termination	\$0.24 \$1.65	--- ---
Cable Vault Splicing - Per Initial Splice - Per Subsequent Splice	--- ---	\$90.26 \$6.61
Splice Testing - Per Initial Splice Test - Per Subsequent Splice Test	--- ---	\$20.73 \$1.22
Cable Pulling From Manhole to Cable Vault - Per First Foot - Per Additional Foot	--- ---	\$98.04 \$0.49
Cable Pulling From Cable Vault to the LGX Panel - Per First Foot - Per Additional Foot	--- ---	\$36.59 \$0.37
Diverse Riser - Per floor traversed	---	\$224.84
Equipment Bay - Per 7' Bay Installed (Ameritech provided/installed/pre-packaged)	\$41.17	\$164.00
Equipment Bay - Per 7' Bay Installed (Frontier provided/installed)	\$26.33	--- ^{8/}
Project Management Fee - Per Initial 7' Bay Installed on Initial or		

^{7/} Rates indicated do not include cable.

^{8/} Rates indicated do not include cable.

Subsequent Order	---	\$1219.12
- Per Additional 7' Bay Installed on Initial or Subsequent Order	---	\$609.56
- Per Initial Shelf Installed on Subsequent Order	---	\$914.34
- Per Additional Shelf Installed on Same Subsequent Order	---	\$548.61
- Per Bay Rearrangement and/or Miscellaneous Work	---	\$731.47
Power Consumption - Per Fuse AMP	\$5.73	---
Power Delivery - Per 7' Bay Installed	---	\$751.63
200 Conductor Electrical Cross-Connection Block - Per 200 Conductor Electrical Cross-Connection Block	\$69.78	---
Digital Cross-Connection Panel (DSX) - Per DSX-3 Termination (1 DS3 termination)	\$16.61	---
- Per DSX-1 Panel (Up to 56 DS1 terminations)	\$52.04	---
Optical Cross-Connection Panel (OCX) - Per OCX Panel Segment	\$6.25	---
Digital Timing Source - Per Timing Circuit Required	\$2.79	---
Thru-Connect - Per DSX-1 to DSX-1 - Per OCX to OCX	\$0.21 \$1.60	\$2.92 \$2.92

ITEM VIII -- Structure

See Exhibit PS-VIII.		
ITEM IX --- Service Provider Number Portability		
	<u>I.N.C.</u> ^{9/}	<u>Per Month</u> ⁹
A. SPNP-Remote		
Service Ordering Charge, per occasion ^{10/}	\$31.05	
per number ported	\$11.20	\$2.84
per additional call path ^{11/} (1-5)	\$5.85	\$0.09
per additional call path (6-90)	\$5.85	\$0.34
B. SPNP-Direct		
Service Ordering Charge, per occasion	\$47.56	
Service Establishment Charge per SPNP-Direct trunk group, per switch	\$31.77	---
SPNP-Direct Channel Termination charges, per SPNP-Direct VG channel termination	\$19.60	\$20.05
per SPNP-Direct DS1 channel termination	\$159.02	\$132.16
	<u>I.N.C.</u> ^{12/}	<u>Per Month</u> ¹²
SPNP-Direct Number Charges, per number ported	\$1.83	\$.034054

^{9/} Rates suspended pending Commission approval of a competitively neutral cost recovery mechanism.

^{10/} Service Coordination Fee Charges apply.

^{11/} Service Ordering charges for additional call capacity for a ported number are not applicable if ordered coincident with its specific ported number. If ordered subsequent to SPNP-Remote Service or with an unrelated ported number, Service Ordering charges apply per occasion.

^{12/} Rates suspended pending Commission approval of a competitively neutral cost recovery mechanism.

SPNP-Direct Transport Charges, ^{13/ 14/}		
per SPNP-Direct VG transport	See Footnote ^{15/}	See Footnote ¹⁵
per SPNP-Direct VG w/o transport ^{16/}		
per SPNP-Direct DS1 transport	See Footnote ^{17/}	See Footnote ¹⁷

^{13/} Service ordering charges, as shown in Item V, apply.

^{14/} Line connection charges, as shown in Item V, apply.

^{15/} Rates for unbundled PBX ground start loops apply, as specified in Item V.

^{16/} Where SPNP Direct is provisioned, cross-connection charges as specified in Item V apply.

^{17/} SPNP Direct DS1 is provisioned at the rates and charges for DS1 service, as specified in Item V.D.1 apply.

per SPNP-Direct DS1 w/o transport ¹⁶		
Subsequent additions, deletions or rearrangement of SPNP-Direct trunk terminations in addition to above charges per occasion	\$12.13	

EXHIBIT PS -1

Emergency Number Service Access (ENSA)		
<u>Description</u>	<u>Non-Recurring</u>	<u>Monthly</u>
1. Channel Conditioning		
- Per Channel		
- Back to Back	\$365.89	\$32.88
- Collocated	\$357.39	\$199.56
- Direct (1st Channel) Channels	\$357.39	\$1.88
- 2-24 (per channel)		
ANI/ALI/SR and Database Management		
- Per 1,000 main stations and equivalent network access lines served, rounded up to the nearest 1,000	\$6.81	\$27.77
Control Office Administration		
- Per NXX	\$122.11	\$2.15
<p>The prices for Route Diversity will be determined on a case by case basis.</p> <p>The charges for Alternate Control Office Access, enabling routing of 911 calls across multiple selective routing areas, is in addition to all other charges, and subject to Ameritech approval.</p>		
		<u>Nonrecurring</u>
Alternate Control Office		
- Per Trunk Group		\$548.24
Address & Routing File (ARF)		
- Per File Request		\$56.50
Manual Updates		
- Per Record, per occasion		\$1.58

EXHIBIT PS-VIII
STRUCTURE PRICING^{1/}

POLE ATTACHMENT AND CONDUIT OCCUPANCY ACCOMMODATIONS

	<u>Nonrecurring Charge</u>	<u>Per Year</u>
Administrative Fee		
- per request or assignment	\$200.00	
Pole Attachment Fee		
- per pole, per year for each one foot of usable space occupied and for each power supply or equipment case or cabinet attached to a pole		\$1.97
Conduit Attachment Fee		
- per foot of innerduct occupied per year		\$.33 ^{2/}

^{1/} The rates set forth above are currently the charges for the lowest existing contract available to an attaching party in the state of Michigan and shall be adjusted periodically consistent with the terms of the Agreement.

^{2/} If an Attaching Party occupies an entire duct, the Attachment Fee shall be two (2) times the rate per innerduct foot for the Attachment.

EXHIBIT PS-VIII
STRUCTURE PRICING^{3/}

A. The following fees, rates and charges apply to Attachment to Ameritech Structure.

1. Administrative Fees. Administrative Fees cover the cost of establishing records, databases and systems, the processing of assignment of permits and similar administrative procedures to accommodate a Requesting Carrier's request for Attachment. Administrative Fees are payable with Requesting Carrier's initial request for Attachment, and for assignment of any permit, or series of permits, to a single assignee. Administrative fees are not refundable.

Administrative Fee - \$200.00 per request of assignment.

2. Maps, Records and Information Charges. Maps, Records and Information charges cover the cost of researching and preparing records and information and preparing maps or drawings in order to provide access to the same to a Requesting Carrier. Charges for these services will be as follows:

- a. Initial Map Preparation - The full cost to Ameritech to prepare a map or record for access by a Requesting Carrier.
- b. Record Searches and Information Requests - The full cost to Ameritech to research records and assemble information to respond to a Requesting Carrier's request for information and, if applicable, to meet with the Requesting Carrier to clarify the map, record or information.

Prior to initiating Initial Map Preparation or Record Searches and Information Requests, the Requesting Carrier shall deposit with Ameritech against the charges therefor Ameritech's estimated amount of charges associated with the requested Initial Map Preparation or Record Search and Information Request. The Requesting Carrier shall pay the amount by which the costs of the request exceeds the estimate. Ameritech will reimburse to the Requesting Carrier the amount by which the deposit exceeds the actual cost of the request.

3. Make Ready Work Charges. Make Ready Work Charges include all of Ameritech's costs to prepare Structure for the Attachments of the Requesting Carrier, including engineering, field

^{3/} The rates set forth above are currently the charges for the lowest existing contract available to an attaching party in the state of Michigan and shall be adjusted periodically consistent with the terms of the Agreement.

surveys, permits, construction, rearrangement, replacements, inspections, administration and supervision.

- a. The charges for Make Ready Work are the full cost to Ameritech to perform the required work.
- b. Prior to commencing any Make Ready Work by Ameritech, the Requesting Carrier shall deposit with Ameritech against the Make Ready Work Charges, Ameritech's estimated amount of the Make Ready Work Charges. The Requesting Carrier shall pay the amount by which the Make Ready Work Charges exceeds the deposit. Ameritech will refund to the Attaching Party the amount by which the deposit exceeds the Make Ready Work Charges.
- c. For requests for access to Ameritech's Ducts, Conduit or Rights-of-way, the Requesting Carrier shall make separate deposits for field survey Make Ready Work to determine the actual availability of space based on Ameritech's records and for the Make Ready Work to prepare the Rights-of-way or conduit for the Requesting Carrier's Attachment.
- d. In the event that other Requesting Carriers, including Ameritech, share in the responsibility for the modification to Ameritech's Structure, the deposits required by this section shall be the Requesting Carrier's proportionate share of the Make Ready Work Charges.

4. Attachment Fees. Attachment Fees are the recurring charges to the Requesting Carrier to place and maintain its Attachments in or on Ameritech's Structure.

- a. Attachment Fees are due and payable twice each Contract Year in advance. On January 1 of each year, the Requesting Carrier will be billed for its Attachments to Ameritech's Structure in place and for which Make Ready Work has been completed as of December 1 of the previous year. On July 1 of each Contract Year, the Requesting Carrier will be billed for its Attachments to Ameritech's Structure in place and for which Make Ready Work has been completed as of June. Any Attachments made within each billing period will be billed at the time of the Attachment for the entire billing period.
- b. Pole Attachment Fees
 - i) The Attachment Fee for poles applies to each pole on which the Requesting Carrier has placed its Attachment or for which Make Ready Work pursuant to a request for access has been completed.

- ii) Pole Attachment Fee: \$1.97 per pole, per year for each one foot of space occupied by the Requesting Carrier's Attachments.
- c. Duct or Conduit Attachment Fees
- i) The Attachment Fee for duct or conduit applies to the total number of feet of Ameritech's conduit system or ducts in which the Requesting Carrier placed Attachments or for which Make Ready Work pursuant to a request for access has been completed.
 - ii) The length of the duct or conduit occupied is measured from wall to wall of the manholes, or from the wall of the manhole to the end of the Ameritech's conduit system or duct occupied by the Requesting Carrier's Attachment, plus the cable racking and maintenance loop space measured by the length of the Requesting Carrier's cable within each manhole.
 - iii) If Requesting Carrier's partial occupancy of a continuous conduit system or duct renders the remainder of any portion thereof unusable, the Attachment Fee applies to both the portion occupied and the portion unusable.
 - iv) If Requesting Carrier occupies an entire duct, the Attachment Fee shall be twice (2) times the rate per Inner-duct foot for the Attachment.
 - v) Conduit Attachment Fee:

\$.33 per foot of Inner-duct or cable racking and maintenance loop space occupied per year.
- d. Rights-of-Way Attachment Fees:
- i) The Attachment Fee for use of linear rights-of-way applies to the total linear footage of strips of land three feet (3') wide suitable for direct buried or trench placement of cable facilities of Ameritech's right-of-way in which the Requesting Carrier has placed Attachments or for which Make Ready Work pursuant to a request for access has been completed and is priced on a case-by-case basis.
 - ii) If Requesting Carrier's partial occupancy of a continuous linear right-of-way renders the remainder or any portion thereof unusable, the Attachment Fee applies to both the portion occupied and the portion rendered unusable.
 - iii) The Attachment Fees for the Requesting Carrier's equipment cabinets or enclosures placed on Ameritech's rights-of-way will be priced on a case-by-

case basis, depending upon the proposed Attachment and the characteristics of the right-of-way in question including the consumption of useable space of the right-of-way by the Attachment and its useability for the Attachments of others, including Ameritech's, after the Attachment.

- iv) The Attachment Fees for the Requesting Carrier's Attachments to Ameritech's rights-of-way within buildings or on campuses owned by third parties will be priced on a case-by-case basis, depending upon the proposed Attachment and the characteristics of the right-of-way the Attachment and its useability for the Attachments of others, including Ameritech's, after the Attachment, and the cost to Ameritech of the right-of-way in question.

e. Period Inspection Fees

Periodic inspection fees will be assessed to cover the Requesting Carrier's portion of the costs to Ameritech to make periodic inspections of its Structure with respect to the Attachments of the Attaching Party and other attaching parties.

AMENDMENT NO. 3
TO
INTERCONNECTION AGREEMENT UNDER SECTIONS 251 AND 252 OF THE
TELECOMMUNICATIONS ACT OF 1996 (MI)

This Amendment to the Interconnection Agreement under Sections 251 and 252 of the Telecommunications Act of 1996 (the “**Amendment**”) is dated as of May 14, 2001, by and between Ameritech Michigan (“**Ameritech**”) and Global Crossing Telemanagement, Inc. (f.k.a. Frontier Telemanagement, Inc.), with its principal offices at 180 S. Clinton Avenue, Rochester, NY 14646 (“**Global Crossing Telemanagement, Inc.**”).

WHEREAS, Ameritech and Frontier Telemanagement, Inc. (“Frontier Telemanagement, Inc. ”) are the parties to that certain “Interconnection Agreement under Sections 251 and 252 of the Telecommunications Act of 1996” approved date of May 27, 1999 (the “**Agreement**”); and

WHEREAS, Frontier Telemanagement, Inc. has changed its name to “Global Crossing Telemanagement, Inc.”, and wishes to reflect that name change as set forth herein.

NOW, THEREFORE, in consideration of the mutual promises contained herein, Ameritech and Global Crossing Telemanagement, Inc. hereby agree as follows:

1. The Agreement is hereby amended to reflect the name change from “Frontier Telemanagement, Inc.” to “Global Crossing Telemanagement, Inc.”
2. Ameritech shall reflect that name change from “Frontier Telemanagement, Inc.” to “Global Crossing Telemanagement, Inc.” only for the main billing account (header card) for each of the accounts previously billed to Frontier Telemanagement, Inc. Ameritech shall not be obligated, whether under this Amendment or otherwise, to make any other changes to Ameritech’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, Global Crossing Telemanagement, Inc. affirms, represents, and warrants that the OCN for those accounts shall not change from that previously used by Frontier Telemanagement, Inc. with Ameritech for those accounts and the services and items provided and/or billed thereunder or under the Agreement.
3. Once this Amendment is effective, Global Crossing Telemanagement, Inc. shall operate with Ameritech under the “Global Crossing Telemanagement, Inc.” name for those accounts. Such operation shall include, by way of example only, submitting orders under Global Crossing Telemanagement, Inc., and labeling (including re-labeling) equipment and facilities with Global Crossing Telemanagement, Inc.

4. This Amendment shall be effective upon approval by the Michigan Public Service Commission.

IN WITNESS WHEREOF, the Parties have caused this Amendment to be executed as of the date above.

**Global Crossing
Telemangement, Inc.**

By: M J. Shortley

Title: Senior Associate General Counsel

Name: MICHAEL J. SHORTLEY JR
(Print or Type)

Date: 4 MAY 2001

***Ameritech Michigan**

**By: SBC Telecommunications, Inc., its
Authorized Agent**

By: John T. Stankey

Title: President - Industry Markets

Name: John T. Stankey
(Print or Type)

Date: MAY 14 2001

* On January 25, 1999, the United States Supreme Court issued its opinion in *AT&T Corp. v. Iowa Utilities Board*, 119 S. CT. 721 (1999) and on June 1, 1999, the United States Supreme Court issued its opinion in *Ameritech v. FCC*, No. 98-1381, 1999 WL 116994, 1999 Lexis 3671 (June 1, 1999). In addition, on November 5, 1999, the FCC issued its Third Report and Order and Fourth Further Notice of Proposed Rulemaking in CC Docket No. 96-96 (FCC 99-238), including the FCC's Supplemental Order issued *In the Matter of the Local Competition Provisions of the Telecommunications Act of 1996*, in CC Docket No. 96-98 (FCC 99-370) (rel. November 24, 1999), portions of which become effective thirty (30) days following publication of such Order in the Federal Register (February 17, 2000) and other portions of which become effective 120 days following publication of such Order in the Federal Register (May 17, 2000). By executing this amendment, Ameritech Michigan does not waive any of its rights, remedies or arguments with respect to such decisions and any remands thereof, including its right to seek legal review or a stay of such decisions, or its rights under the Interconnection Agreement between Global Crossing Telemangement, Inc. and Ameritech Michigan.

**MPSC SEPTEMBER 21, 2004 ORDER AMENDMENT
TO THE INTERCONNECTION AGREEMENT UNDER
SECTIONS 251 AND 252 OF THE TELECOMMUNICATIONS ACT OF 1996**

This MPSC September 21, 2004 Order Amendment to the Interconnection Agreement under Sections 251 and 252 of the Telecommunications Act of 1996 (the "Amendment") is being entered into by and between Michigan Bell Telephone Company d/b/a SBC Michigan ("SBC Michigan")¹ and Global Crossing Telemanagement, Inc. ("CLEC").

WHEREAS, SBC Michigan and CLEC are parties to an interconnection agreement that was previously submitted to the Michigan Public Service Commission ("MPSC" or "Commission") for approval, and may have been amended prior to this Amendment (the "Agreement");

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 Agreement 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;

WHEREAS, provisions of the Agreement provide for the incorporation into the Agreement of new rates and rate structures such as those established by the Order; and

WHEREAS, based on the foregoing, this Amendment incorporates into the Agreement the same rate and rate structure changes as reflected in the illustrative interconnection agreement pricing schedule submitted as part of the Compliance Filing, subject to the reservation of rights and other provisions hereof.

NOW, THEREFORE, in consideration of the mutual promises contained herein, the Agreement 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 Agreement.
- 1.2 To the extent there is a conflict or inconsistency between the provisions of this Amendment and the provisions of the Agreement (including all incorporated or accompanying Appendices, Addenda and Exhibits to the Agreement), 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 Agreement is hereby amended by referencing and incorporating the following:

- 2.1.1 Solely to conform the Agreement to effectuate certain rate and rate structure changes established by the Commission in the Order, the Agreement is amended to add the attached pricing schedule labeled Attachment A (which is incorporated herein).
- 2.1.2 The new rates and rate structures in Attachment A shall begin to apply on November 6, 2004. That is, the new rates and rate structures shall be applied retroactively from the Amendment Effective Date (as defined in Section 3 of this Amendment) back to November 6, 2004 (with SBC Michigan performing any necessary true-up and thereafter issuing the necessary credits or bills, as appropriate) as well as from the Amendment Effective Date going forward.² In the event the MPSC in

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 Notwithstanding anything to the contrary in the Agreement (including, as applicable, this Amendment and any other amendments to the Agreement, including the Revised Amendment, if any), in the event that any other telecommunications carrier ("Adopting CLEC") should adopt, directly or indirectly, this Amendment or provisions thereof ("MFN Provisions") pursuant to Section 252(i) of the Act, the rates and rate

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 for immediate approval, upon which the Revised Amendment shall replace this Amendment, including without limitation that such rates and rate structures in the revised Attachment A shall apply as if such rates and rate structures went into effect on November 6, 2004 (with SBC Michigan performing any necessary true-up and thereafter issuing the necessary credits or bills, as appropriate).²

- 2.2 This Amendment is provided as a means by which SBC Michigan and CLEC, which have an interconnection agreement under Sections 251 and 252 of the Telecommunications Act of 1996, can obtain the rights and obligations under the MPSC's Order. Nothing in this Amendment expands, contracts, or otherwise affects either SBC Michigan's or CLEC's rights or obligations under the Agreement beyond the express provisions of this Amendment.
- 2.3 To the extent the underlying Agreement does not contain terms and conditions for network elements classified as UNE(s) listed in Attachment A to this Amendment, this Amendment does not provide CLEC with the ability to obtain and/or order such network elements as UNEs. Rather, CLEC must negotiate a separate amendment incorporating the appropriate terms and conditions into the underlying Agreement before ordering and/or obtaining any such UNE(s) under this Agreement, provided, however, that nothing herein shall obligate SBC Michigan to negotiate and/or enter into such an amendment including without limitation if such UNE(s) are subject to the FCC's *Order and Notice of Proposed Rulemaking*, FCC 04-179, in Unbundled Access to Network Elements, WC Docket No. 04-313/Review of the Section 251 Unbundling Obligations of Incumbent Local Exchange, CC Docket No. 01-338 (rel. August 20, 2004).

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 TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED. This Amendment will become effective as of the Amendment Effective Date, and will terminate on the termination or expiration of the Agreement; provided, however, this Amendment, in whole or in part, may terminate or expire earlier pursuant to other provisions of this Amendment, including Section 6. This Amendment does not extend the term of the Agreement.

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

structures in Attachment A shall begin to apply prospectively from the date that the MFN Provisions become effective between SBC Michigan and the Adopting CLEC, following the date the MPSC approves or is deemed to have approved the Adopting CLEC's Section 252(i) adoption ("Section 252(i) Effective Date"). In no event shall an Adopting CLEC be entitled to the application of any rate or rate structures under its MFN Provisions to a date prior to its Section 252(i) Effective Date.

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, including, without limitation, the following actions, which the Parties have not yet fully incorporated into this Agreement 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, *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 This Amendment does not in any way prohibit, limit, or otherwise affect either SBC Michigan or CLEC from taking any position with respect to the Order or any other MPSC order or any issue or subject addressed or implicated therein, or from raising and pursuing its rights and abilities with respect to the Order or any other MPSC order or any issue or subject addressed or implicated therein, or any legislative, regulatory, administrative or judicial action with respect to any of the foregoing.
- 6.3 Notwithstanding this Amendment and without limiting Sections 6.1 or 6.2, SBC Michigan (and its affiliates) is not waiving its rights, abilities, remedies or arguments with respect to the non-applicability of, and interaction between, the Telecommunications Act of 1996 (including Sections 251 and 252) to the Order or any other MPSC order (including the Michigan-specific requirements regarding wholesale subject matters addressed therein). SBC Michigan (and its affiliates) fully reserves its rights to raise and take any position with respect thereto, and to pursue such rights, abilities, remedies and arguments.

7. MISCELLANEOUS

- 7.1 On and from the Amendment Effective Date, reference to the Agreement in any notices, requests, orders, certificates and other documents shall be deemed to include this Amendment, whether or not reference is made to this Amendment, unless the context shall be otherwise specifically noted.
- 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.

Global Crossing Telemanagement, Inc.

Michigan Bell Telephone Company d/b/a SBC
Michigan by SBC Operations, Inc. its authorized agent

By: _____

By: _____

Printed: _____

Printed: _____

Title: _____

Title: *For/* President - Industry Markets &
Diversified Businesses

Date: _____

Date: _____

FACILITIES-BASED OCN # _____

ACNA _____

**SBC MICHIGAN RATES PER ORDER
IN CASE NO. U-13531**

**ATTACHMENT A –
EXHIBIT A PRICE SCHEDULE
EFFECTIVE NOVEMBER 6, 2004**

	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	Disconnect
		Connect	
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	SBC Michigan	
		Non-Recurring	Disconnect
	Recurring	Connect	
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	SBC Michigan	
	Recurring	Non-Recurring	Disconnect
		Connect	
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)	\$ 6.44	\$ 936.26	
Common Caged Collocation - Voice Grade Arrangement (100 pairs)	\$ 6.44	\$ 936.26	
Cageless Collocation - Voice Grade Arrangement (100 pairs)	\$ 6.51	\$ 936.26	
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	\$ 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	\$ 2.71	\$ 1,598.37	
Common Caged Collocation	\$ 2.71	\$ 1,598.37	
Cageless 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
INTERCONNECTION AGREEMENT
BETWEEN
MICHIGAN BELL TELEPHONE COMPANY d/b/a SBC MICHIGAN
AND
GLOBAL CROSSING TELEMAGEMENT, INC.**

This TRO/TRRO Amendment amends the Interconnection Agreement by and between Michigan Bell Telephone Company d/b/a SBC Michigan ("SBC") and Global Crossing Telemagement, Inc. ("CLEC"). 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 5/27/1999 (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 20th day of February, 2006, 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.

Global Crossing Telemanagement, Inc.

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

By: _____

By: Rebecca L Sparks

Name:

Name: Rebecca L. Sparks

Title:

Title: Executive Director - Regulatory

Date:

Date: February 20, 2006

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 trued-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 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. [Intentionally left blank.]

**AMENDMENT TO
INTERCONNECTION AGREEMENT
BETWEEN
MICHIGAN BELL TELEPHONE COMPANY d/b/a AT&T MICHIGAN
AND
GLOBAL CROSSING TELEMAGEMENT, INC.**

This Amendment amends the Interconnection Agreement by and between Michigan Bell Telephone Company d/b/a AT&T Michigan¹ ("AT&T Michigan") and Global Crossing Telemagement, Inc. ("CLEC"). AT&T Michigan and CLEC are hereinafter referred to collectively as the "Parties" and individually as a "Party". This Amendment applies in AT&T Michigan's service territory in the State of Michigan.

WITNESSETH:

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 5/27/1999 and as subsequently amended (the "Agreement"); and

WHEREAS, the Parties amended said Agreement pursuant to the Michigan Public Service Commission's ("MI-PSC") Order in Case No. U-14447 regarding implementation of the FCC's Triennial Review Order and Triennial Review Remand Order (the "Michigan Order"); and

WHEREAS, on September 26, 2007, the United States District Court for the Eastern District of Michigan issued an order reversing, in part, the Michigan Order; and

WHEREAS, the Parties desire to amend the Agreement to reflect the Court's decision.

NOW, THEREFORE, in consideration of the promises and mutual agreements set forth herein, the Parties agree as follows:

1. In the Amendment to Interconnection Agreement approved 2/28/2006 (the "TRO/TRRO Amendment"), under the Michigan TRO/TRRO Attachment thereto:

1.1 The text of Section 0.1.12 is removed in its entirety and replaced with the following:

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, including 47 CFR 51.5 as follows: A business line is an ILEC-owned switched access line used to serve a business customer, whether by the ILEC itself or by a CLEC that leases the line from the ILEC. The number of business lines in a wire center shall equal the sum of all ILEC business switched access lines, plus the sum of all UNE loops connected to that wire center, including UNE loops provisioned in combination with other unbundled elements. Among these requirements, business line tallies (1) shall include only those access lines connecting end-user customers with ILEC end-offices for switched services, (2) shall not include non-switched special access lines, (3) shall account for ISDN and other digital access lines by counting each 64 kbps-equivalent as one line. For example, a DS1 line corresponds to 24 64 kbps-equivalents, and therefore to 24 "business lines."

1.2 The text of Sections 1.1(i) is removed in its entirety and replaced with the following:

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 AT&T Michigan's networks.) In accordance with Paragraph 140 of the TRRO, nothing in this

¹ Michigan Bell Telephone Company (previously referred to as "Michigan Bell" or "SBC Michigan") now operates under the name "AT&T Michigan" pursuant to an assumed name filing with the State of Michigan.

Section 1.1 nor the FCC's finding of non-impairment with respect to entrance facilities alters CLEC's right to interconnect with AT&T Michigan's network pursuant to Section 251(c)(2) of the Act for the exchange of traffic;

- 1.3 In Section 6.3.5, the parenthetical "(e.g., entrance facility)" is removed twice, so that the provision now reads as follows:

Pursuant to the network interconnection terms and conditions in the underlying Agreement, an interconnection trunk 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.

2. This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather shall be coterminous with such Agreement.
3. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.
4. Reservation of Rights. 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 shall be filed with and is subject to approval by the MI-PSC and shall become effective ten (10) days following approval by such Commission.

Global Crossing Telemagement, Inc.

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

By: Michael J. Sherry

By: Eddie A. Reed, Jr.

Printed: Michael J. Sherry

Printed: Eddie A. Reed, Jr.

Title: Vp President

Title: Director-Interconnection Agreements

Date: 12 May 08

Date: 5.22.08

Resale OCN # 7731

UNE OCN #

Switch Based OCN #

ACNA - FLS

AT&T Wholesale Amendment

AMENDMENT

BETWEEN

MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN

AND

GLOBAL CROSSING LOCAL SERVICES, INC.



Signature: eSigned - Scott Seab

Signature: eSigned - William A. Bockelman

Name: eSigned - Scott Seab
(Print or Type)

Name: eSigned - William A. Bockelman
(Print or Type)

Title: Senior Corporate Counsel
(Print or Type)

Title: Director
(Print or Type)

Date: 04 Dec 2014

Date: 08 Dec 2014

Global Crossing Local Services, Inc.

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	7731	4044	4044

Description	ACNA Code(s)
ACNA(s)	SUR, FLS

**AMENDMENT TO
INTERCONNECTION AGREEMENT
BY AND BETWEEN
MICHIGAN BELL TELEPHONE COMPANY D/B/A AT&T MICHIGAN
AND
GLOBAL CROSSING LOCAL SERVICES, INC.**

The Interconnection Agreement by and between Michigan Bell Telephone Company d/b/a AT&T MICHIGAN ("AT&T MICHIGAN") (previously referred to as "Michigan Bell" or "SBC Michigan") and Global Crossing Local Services, Inc. (f/k/a Global Crossing Telemanagement, Inc.), is hereby amended as follows.

WHEREAS, AT&T MICHIGAN and Global Crossing Telemanagement, Inc. ("Global Crossing Telemanagement, Inc.") are the parties to that certain "Interconnection Agreement" approved as of May 27, 1999 (the "Agreement"); and

WHEREAS, Global Crossing Telemanagement, Inc. has merged into "Global Crossing Local Services, Inc.", and wishes to reflect that name change as set forth herein.

NOW, THEREFORE, in consideration of the mutual promises contained herein, AT&T MICHIGAN and Global Crossing Local Services, Inc. hereby 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. The Agreement is hereby amended to reflect the name change from "Global Crossing Telemanagement, Inc." to "Global Crossing Local Services, Inc."
3. AT&T MICHIGAN shall reflect that name change from "Global Crossing Telemanagement, Inc." to "Global Crossing Local Services, Inc." only for the main billing account (header card) for each of the accounts previously billed to Global Crossing Telemanagement, Inc. AT&T MICHIGAN shall not be obligated, whether under this Amendment or otherwise, to make any other changes to AT&T MICHIGAN'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, Global Crossing Local Services, Inc. affirms, represents, and warrants that the ACNA and OCN for those accounts shall not change from that previously used by Global Crossing Telemanagement, Inc. with AT&T MICHIGAN for those accounts and the services and items provided and/or billed thereunder or under the Agreement.
4. Once this Amendment is effective, Global Crossing Local Services, Inc. shall operate with AT&T MICHIGAN under the "Global Crossing Local Services, Inc." name for those accounts. Such operation shall include, by way of example only, submitting orders under Global Crossing Local Services, Inc., and labeling (including re-labeling) equipment and facilities with Global Crossing Local Services, Inc. Any change in Carrier's name including a change in the "d/b/a", or due to assignment or transfer of this Agreement wherein only Carrier'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, Carrier 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. Carrier must submit the appropriate service request to AT&T MICHIGAN to update Carrier's name on all applicable billing accounts (BANs), and Carrier is responsible for all applicable processing/administration and nonrecurring charges for each service request. Should Carrier desire to change its name on individual circuits and/or End User records, Carrier must submit the appropriate service request(s) to AT&T MICHIGAN to update Carrier's name on individual circuits and/or End User records, and Carrier is responsible for all applicable processing/administration and nonrecurring charges for each of those service request(s).
5. The Parties agree to replace Section XXX.10 from the Agreement with the following language:

XXX.10. Notices

XXX.10.1 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:

XXX.10.1.1 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.

XXX.10.1.2 delivered by facsimile provided CARRIER and/or AT&T MICHIGAN has provided such information in Section XXX.3 below.

XXX.10.1.3 delivered by electronic mail (email) provided CARRIER and/or AT&T MICHIGAN has provided such information in Section XXX.3 below.

XXX.10.2 Notices will be deemed given as of the earliest of:

XXX.10.2.1 the date of actual receipt;

XXX.10.2.2 the next Business Day when sent via express delivery service;

XXX.10.2.3 five (5) calendar days after mailing in the case of first class or certified U.S. Postal Service; or

XXX.10.2.4 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.

XXX.10.2.5 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 to CARRIER by AT&T MICHIGAN.

XXX.10.3 Notices will be addressed to the Parties as follows:

NOTICE CONTACT	CARRIER CONTACT
NAME/TITLE	Legal - Interconnection Services Corporate Counsel
STREET ADDRESS	1025 Eldorado Blvd.
CITY, STATE, ZIP CODE	Broomfield, CO 80021
PHONE NUMBER*	(720) 888-3942
FACSIMILE NUMBER	N/A
EMAIL ADDRESS	Scott.Seab@level3.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) 712-5792
EMAIL ADDRESS	The current email address as provided on AT&T's Prime Access website

*Informational only and not to be considered as an official notice vehicle under this Section.

XXX.10.4 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 XXX.10.4. 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.

XXX.10.5 AT&T MICHIGAN communicates official information to CARRIERS via its Accessible Letter, or other applicable, notification processes. These processes involve electronic transmission and/or posting to the AT&T Prime Access 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.

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. 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.
9. 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.

AT&T Wholesale Amendment

AMENDMENT

BETWEEN

MICHIGAN BELL TELEPHONE COMPANY d/b/a AT&T MICHIGAN

AND

GLOBAL CROSSING LOCAL SERVICES, INC.



Signature: eSigned - Gary Black

Signature: eSigned - William A. Bockelman

Name: eSigned - Gary Black
(Print or Type)

Name: eSigned - William A. Bockelman
(Print or Type)

Title: VP-Carrier Relations
(Print or Type)

Title: Director
(Print or Type)

Date: 20 Mar 2015

Date: 20 Mar 2015

Global Crossing Local Services, Inc.

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	7731	4044	4044

Description	ACNA Code(s)
ACNA(s)	FLS,SUR

**AMENDMENT TO THE AGREEMENT
 BETWEEN
 GLOBAL CROSSING LOCAL SERVICES, INC.
 AND
 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 by and between Michigan Bell Telephone Company d/b/a AT&T MICHIGAN ("AT&T MICHIGAN") (previously referred to as "Michigan Bell" or "SBC Michigan") and Global Crossing Local Services, Inc. ("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 Telecommunications Act of 1934, as amended (the "Act"), approved May 27, 1999 and as subsequently amended (the "Agreement"); and

WHEREAS, the Parties desire to modify 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. The rates for Emergency Number Service Access in Exhibit A attached supersede the corresponding recurring and nonrecurring rates for ANI/ALI/SR and Database Management.
2. **AT&T MICHIGAN** shall no longer provide ANI/ALI/SR and Database Management Access Routing Files, also known as the Master Street Address Guide (MSAG), via CD-ROM, and the CD-ROM rate in the Pricing Schedule-Michigan ("Pricing Schedule") is deleted.
3. The Exhibit PS-I to the Pricing Schedule is deleted.
4. The following language is added to Article III Interconnection - section 3.9, 9-1-1 services.

CLEC shall order the appropriate number of trunks based on the following table at the rates set forth in the MW 911 Pricing Sheet. 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 MICHIGAN 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 MICHIGAN** is the 911 service provider in such Exchange Area(s).

5. 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.
6. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.

7. In entering into this Amendment, neither Party waives, and each Party expressly reserves, any rights, remedies or arguments it may have at law or under the intervening law or regulatory change provisions in the underlying Agreement (including intervening law rights asserted by either Party via written notice predating this Amendment) with respect to any orders, decisions, legislation or proceedings and any remands thereof, which the Parties have not yet fully incorporated into this Agreement or which may be the subject of further review.
8. This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with such Agreement.
9. 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
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

AT&T Wholesale Amendment

AMENDMENT

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**

AND

GLOBAL CROSSING LOCAL SERVICES, INC.



Signature: eSigned - Gary Black, Jr.

Signature: eSigned - William Bockelman

Name: eSigned - Gary Black, Jr.
(Print or Type)

Name: eSigned - William Bockelman
(Print or Type)

Title: VP - Carrier Relations
(Print or Type)

Title: DIR-INTERCONNECTION AGREEMENTS
(Print or Type)

Date: 03 Feb 2017

Date: 03 Feb 2017

Global Crossing Local Services, Inc.

State	Resale OCN	ULEC OCN	CLEC OCN
ILLINOIS	7731	8709	8709
INDIANA	7731	2548	2548
MICHIGAN	7731	4044	4044
OHIO	7731	8638	8638
WISCONSIN	7731	4087	4087

Description	ACNA Code(s)
ACNA(s)	FLS,SUR

**AMENDMENT TO THE AGREEMENT
BETWEEN
GLOBAL CROSSING LOCAL SERVICES, INC.
AND**

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

This Amendment (the "Amendment") amends the Agreement(s) by and between AT&T and CARRIER as shown in the attached Exhibit A.

WHEREAS, AT&T and CARRIER are Parties to the Agreement(s) as shown in the attached Exhibit A; 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 Lifeline Order"); and

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 agree to add terms and conditions related to Performance Measurements to the Agreement; and

WHEREAS, AT&T, members of the CLEC community and representatives of the state Commission staffs for Illinois, Indiana, Michigan, Ohio and Wisconsin recently participated in a collaborative to determine whether to modify the current Commission approved and ordered Performance Measures and Remedies Plan (the "Plan") for the States of Illinois, Indiana, Michigan, Ohio and Wisconsin ("Collaborative Review"), and

WHEREAS, that Collaborative Review resulted in agreement by the Parties to extend the term of the Plan, without changes, 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 - Agreements, Exhibit B – Customer Information Services, Exhibit C - Attachment 9 - Performance Measurements, and Exhibit D - Pricing Sheet, all of which are hereby incorporated within 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. **Intercarrier Compensation**
 - 3.1. The Parties hereby implement the intercarrier compensation rates reflected in the Pricing Sheet attached hereto as Exhibit D, 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 D hereby supersede the existing rate elements included in the Agreement for purposes of reciprocal compensation.

4. **Forbearance**

- 4.1. 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.

5. **Customer Information Services (CIS)**

- 5.1. With the exception of 5.3 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.

- 5.2. 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 D, to the Agreement.

5.3. **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.

6. **Midwest Region Performance Measures and Remedies Plan (applicable in the states of Illinois, Indiana, Michigan, Ohio and Wisconsin):**

6.1. The Parties agree that the terms and conditions set forth in the Performance Measurements, Exhibit C attached hereto, shall be incorporated into the Agreement.

6.2. The term of the Plan shall be extended for two (2) years ending December 31, 2018.

7. The Parties agree to add the following language as Section XXX.19 to Article XXX of the Agreement.

XXX.19. Joint and Several Liability

XXX.19.1 In the event that CLEC consists of two (2) or more separate entities as set forth in this Agreement and/or any Amendments hereto, or any third party places orders under this Agreement using CLEC’s company codes or identifiers, all such entities shall be jointly and severally liable for CLEC’s obligations under this Agreement.

8. The Parties agree to replace Section XXX.10 from the Agreement with the following language:

XXX.10. Notices

XXX.10.1 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:

XXX.10.1.1 delivered by electronic mail (email).

XXX.10.1.2 delivered by facsimile.

XXX.10.2 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:

XXX.10.2.1 delivered by electronic mail (email) provided CLEC has provided such information in Section XXX.10.4 below.

XXX.10.2.2 delivered by facsimile provided CLEC has provided such information in Section XXX.10.4 below.

XXX.10.3 Notices will be deemed given as of the earliest of:

XXX.10.3.1 the date of actual receipt.

XXX.10.3.2 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.

XXX.10.3.3 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.

XXX.10.4 Notices will be addressed to the Parties as follows:

NOTICE CONTACT	CLEC CONTACT
NAME/TITLE	ATTN: General Counsel - Regulatory
STREET ADDRESS	1025 Eldorado Blvd
CITY, STATE, ZIP CODE	Broomfield, CO 80021
PHONE NUMBER*	(720) 888-4537
FACSIMILE NUMBER	(720) 567-2209
EMAIL ADDRESS	michael.mooney@level3.com

Copy to:

NOTICE CONTACT	CLEC CONTACT
NAME/TITLE	Gary Black, Jr. VP-Carrier Relations
STREET ADDRESS	1025 Eldorado Blvd.
CITY, STATE, ZIP CODE	Broomfield, CO 80021
PHONE NUMBER*	(720) 888-3059
FACSIMILE NUMBER	N/A
EMAIL ADDRESS	Gary.Black@Level3.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.

XXX.10.5 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 XXX.10. 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.

XXX.10.6 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 XXX.10 notice provision; CLEC shall also update its CLEC Profile through the applicable form and/or web-based interface.

XXX.10.6.1 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.

XXX.10.6.2 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.

XXX.10.7 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.

9. Conflict between this Amendment and the Agreement. This Amendment shall be deemed to revise the terms and conditions of the Agreement only to the extent necessary to give effect to the purpose of this Amendment, which is to extend the term of the Plan. In the event of a conflict between the terms and conditions of this Amendment and the terms and conditions of the Agreement, this Amendment shall govern, *provided, however*, that the fact that a term or

condition 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.

10. Scope of Amendment. This Amendment shall amend, modify and revise the Agreement only to the extent set forth expressly in Section 8.1 of this Amendment. All other terms and conditions of the Agreement remain in full force and effect for the duration of the term of the Agreement, including but not limited to termination rights of the Parties. Nothing in this Amendment shall be deemed to extend or otherwise modify the term of the Agreement, or to affect the rights of the Parties to exercise any right of termination under the Agreement.
11. 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.
12. This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with such Agreement.
13. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.
14. 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.
15. For all States except Arkansas, Ohio, California, and Wisconsin: 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 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) calendar 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
Illinois Bell Telephone Company d/b/a AT&T ILLINOIS	Global Crossing Local Services, Inc.	Interconnection	02/17/1998
Indiana Bell Telephone Company Incorporated d/b/a AT&T INDIANA	Global Crossing Local Services, Inc.	Interconnection	03/24/1999
Michigan Bell Telephone Company d/b/a AT&T MICHIGAN	Global Crossing Local Services, Inc.	Interconnection	05/27/1999
The Ohio Bell Telephone Company d/b/a AT&T OHIO	Global Crossing Local Services, Inc.	Interconnection	04/17/1998
Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN	Global Crossing Local Services, Inc.	Interconnection	01/19/1999

EXHIBIT B
ATTACHMENT 06 – OPERATOR SERVICES AND
DIRECTORY ASSISTANCE
(f/k/a CUSTOMER INFORMATION SERVICES)

TABLE OF CONTENTS

<u>Section</u>	<u>Page Number</u>
1.0 Introduction	3
2.0 Definitions	3
3.0 Operator Services (OS) / Directory Assistance (DA).....	4
4.0 LISTINGS	7
5.0 General Conditions for Operator Services (OS), Directory Assistance (DA).....	9
6.0 Termination – Entire Attachment 06 – Operator Assistance and Directory Assistance Services	9

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 (OSTQ), 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.

EXHIBIT C
ATTACHMENT 09 –
PERFORMANCE MEASUREMENTS

TABLE OF CONTENTS

<u>Section</u>	<u>Page Number</u>
1.0 General Provisions	3
2.0 Region-specific Provisions	3

1.0 General Provisions

- 1.1 The Performance Measurements Plans referenced herein, notwithstanding any provisions in any other attachment in this Agreement, are not intended to create, modify or otherwise affect Parties' rights and obligations. The existence of any particular performance measure, or the language describing that measure, is not evidence that CLEC is entitled to any particular manner of access, nor is it evidence that AT&T-21STATE 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 Commission decisions/regulations and within this Agreement.
- 1.2 AT&T-21STATE's implementation of the Performance Measurements Plans addressed by this Attachment (Performance Measurement Plan(s), the Plan(s)) will not be considered as an admission against interest or an admission of liability in any legal, regulatory, or other proceeding relating to the same performance. The Parties agree that CLEC may not use the existence of such Plans as evidence that AT&T-21STATE has discriminated in the provision of any facilities or services under Sections 251 or 252, or has violated any state or federal law or regulation. AT&T-21STATE's conduct underlying its performance, and the performance data provided under the Performance Measurements Plans, however, are not made inadmissible by these terms. AT&T-21STATE's performance as measured by these plans may not be used as an admission of liability or culpability for a violation of any state or federal law or regulation.
- 1.3 Nothing herein shall be interpreted to be a waiver of AT&T-21STATE's right to argue and contend in any forum, in the future, that Sections 251 and 252 of the Telecommunications Act of 1996 do not impose any duty or legal obligation to negotiate and/or mediate or arbitrate a self-executing liquidated damages or remedy plan.

2.0 Region-Specific Provisions

- 2.1 AT&T MIDWEST REGION 5-STATE Requirements:
- 2.1.1 Except as otherwise provided herein, the Performance Measurements in the Performance Measurements Plans most recently adopted or ordered, in a generic/non-CLEC specific proceeding, by the Commission that approved this Agreement under Section 252(e) of the Act are incorporated herein. Modifications and/or deletions to Performance Measurements in that proceeding or any successor proceeding shall be automatically incorporated into this Agreement by reference in the month indicated by the Commission's order. The list of proceedings, by state, in which a Performance Measurements Plan has been adopted or ordered, is included in Section 2.1.3 below. For the purpose of this Agreement in Michigan, these measurements will be effective with the first full month of performance after Commission approval of the measurements.
- 2.1.2 The Performance Measurements Plans may include a remedy plan providing liquidated damages payments where such a plan was also approved by the Commission in a generic/non-CLEC specific proceeding. Any subsequent Commission-ordered additions, modifications and/or deletions to the remedies provisions of the Performance Measurements Plans, in that proceeding or any successor proceeding, to which no participating party has objected, shall be automatically incorporated into this Agreement by reference in the month indicated by the Commission's order. The list of proceedings, by state, in which a Performance Measurements (Remedy) Plan has been adopted or ordered, is included in Section 2.1.3 below. For the purpose of this Agreement, in Michigan, the Remedy Plan will be effective with the first full month of performance after Commission approval of the Remedy Plan.
- 2.1.3 Proceedings, by state, in which a Performance Measurements Plan has been adopted or ordered by the respective Commission under the specific authority identified herein, or under any successor authority or docket, shall be the effective plan under this Agreement. Currently, such dockets are as follows:
- 2.1.3.1 Illinois – 83 IL. Administrative Code Part 731
 - 2.1.3.2 Indiana – Cause No. 41657
 - 2.1.3.3 Michigan – Case No. U-11830
 - 2.1.3.4 Ohio – Case No. 00-942-TP-COI

- 2.1.3.5 Wisconsin – Docket No. 6720-TI-198 (Performance Measurements only)
- 2.1.3.6 Wisconsin – AT&T Midwest Remedy Plan as approved by the Commission in CLEC-specific ICA.
- 2.2 Provisions of this Performance Measurements Attachment will terminate in accordance with Section 6.5 of the AT&T MIDWEST REGION 5-STATE Remedy Plan.
- 2.3 AT&T SOUTHEAST REGION 9-STATE Requirements:
 - 2.3.1 Except as otherwise provided herein, the Performance Measurements Plans most recently adopted or ordered by the respective Commission that approved this Agreement under Section 252(e) of the Act are incorporated herein. Any subsequent Commission-ordered additions, modifications and/or deletions to such plans (and supporting documents) in that proceeding or any successor proceeding shall be automatically incorporated into this Agreement by reference effective with the date of implementation by AT&T SOUTHEAST REGION 9-STATE pursuant to Commission order.
- 2.4 AT&T SOUTHWEST REGION 5-STATE Requirements:
 - 2.4.1 The Performance Measurements Plans most recently approved, adopted or ordered by the respective Commission in the state 271 successor Agreement (X2A) proceedings are incorporated herein. Any subsequent Commission-ordered additions, modifications and/or deletions to such plans (and supporting documents), to which the Parties have agreed, shall be automatically incorporated into this Agreement by reference in the first full month following the effective date of the Commission order.
- 2.5 AT&T CALIFORNIA Requirements:
 - 2.5.1 Except as otherwise provided herein, the Performance Measurements Plan ordered/approved by the California Public Commission in Decision No. 99-08-020 (dated August 5, 1999 and subsequent modifying decisions) in Docket No. R. 97-10-016/l. 97-10-017 (filed October 9, 1997) is incorporated herein. Any subsequent Commission-ordered additions, modifications and/or deletions to such plan (and its supporting documents) in that proceeding or any successor proceeding, to which the Parties have agreed, shall be automatically incorporated into this Agreement by reference in the first full month following the effective date of the Commission's order.
- 2.6 AT&T NEVADA Requirements:
 - 2.6.1 Except as otherwise provided herein, the Performance Measurements Plan ordered/approved by the Nevada Public Utilities Commission in Docket 06-01039 (approved August 29, 2006) is incorporated herein. Any subsequent Commission-ordered additions, modifications and/or deletions to such plan (and its supporting documents) in that proceeding or any successor proceeding, to which the Parties have agreed, shall be automatically incorporated into this Agreement by reference in the first full month following the effective date of the Commission's order.

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	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 (Effective through 6/30/17)	OHU	USG15		0.0007			MOU
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 (Effective 7/01/17)	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

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 (Effective Through 6/30/17)	OHU	USG15		0.0007			MOU
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 (Effective 7/01/17)	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

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
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

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 (Effective Through 6/30/17)	OHU	USG15		0.0007			MOU
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 (Effective 7/01/17)	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

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 (Effective Through 6/30/17)	OHU	USG15		0.0007			MOU
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 (Effective 7/01/17)	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

**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**

AND

GLOBAL CROSSING LOCAL SERVICES, INC.



Signature: eSigned - Gary Black, Jr.

Signature: eSigned - William Bockelman

Name: eSigned - Gary Black, Jr.
 (Print or Type)

Name: eSigned - William Bockelman
 (Print or Type)

Title: VP-Carrier Relations
 (Print or Type)

Title: DIR-INTERCONNECTION AGREEMENTS
 (Print or Type)

Date: 18 Sep 2018

Date: 24 Sep 2018

Global Crossing Local Services, Inc.

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 by AT&T Services, Inc., its authorized agent

State	Resale OCN	ULEC OCN	CLEC OCN
ILLINOIS	7731	8709	8709
INDIANA	7731	2548	2548
MICHIGAN	7731	4044	4044
OHIO	7731	8638	8638
WISCONSIN	7731	4087	4087

Description	ACNA Code(s)
ACNA(s)	FLS,SUR

**AMENDMENT TO
INTERCONNECTION AGREEMENT
BY AND 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
AND
GLOBAL CROSSING LOCAL SERVICES, INC.**

This Amendment (the "Amendment") amends the Agreements by and between AT&T and CLEC as shown in the attached Exhibit A.

WITNESSETH:

WHEREAS, AT&T and CLEC are Parties to the Agreements as shown in the attached Exhibit A.

WHEREAS, AT&T, members of the CLEC community and representatives of the state Commission staffs for Illinois, Indiana, Michigan, Ohio and Wisconsin recently participated in a collaborative to determine whether to modify the current Commission approved and ordered Performance Measures and Remedies Plan (the "Plan") for the States of Illinois, Indiana, Michigan, Ohio and Wisconsin ("Collaborative Review"); and

WHEREAS, that Collaborative Review resulted in agreement by the Parties to extend the term of the Plan, without changes.

NOW, THEREFORE, in consideration of the promises and mutual agreements set forth herein, the Parties agree to amend the Agreement as follows:

1. The term of the Plan shall be extended for two (2) years ending December 31, 2020.
2. Conflict between this Amendment and the Agreement. This Amendment shall be deemed to revise the terms and conditions of the Agreement only to the extent necessary to give effect to the purpose of this Amendment, which is to extend the term of the Plan. In the event of a conflict between the terms and conditions of this Amendment and the terms and conditions of the Agreement, this Amendment shall govern, *provided, however*, that the fact that a term or condition 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.
3. Scope of Amendment. This Amendment shall amend, modify and revise the Agreement only to the extent set forth expressly in paragraph 1 of this Amendment. All other terms and conditions of the Agreement remain in full force and effect for the duration of the term of the Agreement, including but not limited to termination rights of the Parties. Nothing in this Amendment shall be deemed to extend or otherwise modify the term of the Agreement, or to affect the rights of the Parties to exercise any right of termination under the Agreement.
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. 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. 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.
9. For Illinois, Indiana and Michigan: 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. 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 Wisconsin: Pursuant to Wisconsin Statute § 196.40, this Amendment shall become effective ten (10) calendar days after the mailing date of the final order approving this Amendment ("Effective Date"). However, for all states, the Amendment shall be implemented as of January 1, 2019 or the date it is fully executed, whichever is later. For example, if a CLEC signs and returns the Amendment on January 15, 2019, remedies are effective with February 2019 performance data which will be reported in March 2019 with remedies due being payable in April 2019.

Exhibit A

AT&T ILEC ("AT&T")	CARRIER Legal Name	Contract Type	Approval Date
Illinois Bell Telephone Company d/b/a AT&T ILLINOIS	Global Crossing Local Services, Inc.	Interconnection	2/17/1998
Indiana Bell Telephone Company Incorporated d/b/a AT&T INDIANA	Global Crossing Local Services, Inc.	Interconnection	3/24/1999
Michigan Bell Telephone Company d/b/a AT&T MICHIGAN	Global Crossing Local Services, Inc.	Interconnection	5/27/1999
The Ohio Bell Telephone Company d/b/a AT&T Ohio	Global Crossing Local Services, Inc.	Interconnection	4/17/1998
Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN	Global Crossing Local Services, Inc.	Interconnection	1/19/1999

AMENDMENT

BETWEEN

**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, THE OHIO BELL TELEPHONE COMPANY D/B/A AT&T
OHIO, WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN BY AT&T**

AND

GLOBAL CROSSING LOCAL SERVICES, INC.

Signature: eSigned - Gary Black, Jr.

Signature: eSigned - Kristen E. Shore

Name: eSigned - Gary Black, Jr.
 (Print or Type)

Name: eSigned - Kristen E. Shore
 (Print or Type)

Title: VP- Carrier Relations
 (Print or Type)

Title: AVP- Regulatory
 (Print or Type)

Date: 12 Apr 2022

Date: 14 Apr 2022

Global Crossing Local Services, Inc.

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, The Ohio Bell Telephone Company d/b/a AT&T OHIO, Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN by AT&T Services, Inc., its authorized agent

State	Resale OCN	ULEC OCN	CLEC OCN
ILLINOIS	7731	8709	8709
INDIANA	7731	2548	2548
MICHIGAN	7731	4044	4044
OHIO	7731	8638	8638
WISCONSIN	7731	4087	4087

Description	ACNA Code(s)
ACNA(s)	FLS,SUR

**AMENDMENT TO THE AGREEMENT
BETWEEN
GLOBAL CROSSING LOCAL SERVICES, INC.
AND**

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, THE OHIO BELL TELEPHONE COMPANY D/B/A AT&T OHIO, WISCONSIN BELL, INC. D/B/A AT&T WISCONSIN

This Amendment (the “Amendment”) amends the Agreements 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 Agreements as shown in the attached Exhibit B; 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 USTelecom 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, 2017 (“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 was filed with the FCC on January 8, 2021 (“FCC UNE Relief Order”); and

WHEREAS, the Parties desire to modify certain provisions related to Operations Support Systems (OSS) and/or Data Connection Security Requirements; 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 a, CLEC may no longer purchase any resale services pursuant to the rates, terms and conditions of this Agreement, including any resale Tariff referred to in this Agreement, other than the rates, terms and conditions provided for in Attachment 251(b)(1) Resale.
 - a. Resale services ordered on or before February 1, 2020 (“Resale Embedded Base”), are grandfathered until August 2, 2022, 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. Add Attachment - 251(b)(1) Resale to the Agreement.
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.
 - 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 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

arrangement available under a separate commercial agreement or an AT&T tariff or guidebook service. AT&T will provide notice of such change.

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 to be competitive in the BDS proceeding as listed in the AT&T Guidebook, 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 July 8, 2024. CLEC shall convert the DS1 Loop Embedded Base to an alternate arrangement, or disconnect such DS1 Loop on or before July 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 Forbearance Order.
 - 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 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)
 - 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 DS1 Loops inadvertently ordered on or after February 8, 2023, and any DS1 Loop Embedded Base remaining as of July 8, 2024.
 - 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. AT&T will provide notice of such change.
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 to be competitive in the BDS proceeding as listed in the AT&T Guidebook, which may change time to time. Any existing DS3 Loops 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 Forbearance Order.
 - 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)
 - 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 DS3 Loops inadvertently ordered on or after February 8, 2021, and any DS3 Loop Embedded Base remaining as of February 8, 2024.
 - 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. AT&T will provide notice of such change.
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 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 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. 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 AT&T's sole discretion, AT&T 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)
 - b. AT&T reserves the right 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. AT&T will provide notice of such change.
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. CLEC shall provide a forecast of the total number of Unbundled Loops in its embedded customer base that it plans to migrate to an alternate product or service as required by each region. 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.
12. The Parties agree to add the following language to Section 4.0 to Schedule 9.2.6 of the Agreement:
- 4.0 **Data Connection Security Requirements**
 - 4.1 CLEC agrees to comply with AT&T data connection security procedures as set forth on the AT&T CLEC Online website as they may change from time to time, including but not limited to procedures on joint security requirements, information security, user identification and authentication, network monitoring, and software integrity. To the extent there is a conflict between this Amendment's Section 12 and the Competitive Local Exchange Carrier (CLEC) Operations Support Systems (OSS) Procedures, the CLEC OSS Interconnection Procedures shall govern.
 - 4.2 CLEC agrees that the interconnection of CLEC data facilities with AT&T data facilities for access to OSS will be in compliance with AT&T's "Competitive Local Exchange Carrier (CLEC) Operations Support System Interconnection Procedures" document, which is revised from time to time and posted to the AT&T CLEC Online website.
13. 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.
14. This Amendment shall not modify or extend the Effective Date or Term of the underlying Agreement, but rather, shall be coterminous with such Agreement.
15. EXCEPT AS MODIFIED HEREIN, ALL OTHER TERMS AND CONDITIONS OF THE UNDERLYING AGREEMENT SHALL REMAIN UNCHANGED AND IN FULL FORCE AND EFFECT.
16. 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.

17. For Illinois, Indiana, 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 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 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.

ATTACHMENT 16b – 251(b)(1) RESALE

TABLE OF CONTENTS

<u>Section</u>	<u>Page Number</u>
1.0 INTRODUCTION.....	3
2.0 GENERAL PROVISIONS.....	3
3.0 PRICING AND DISCOUNTS.....	4
4.0 RESPONSIBILITIES OF PARTIES.....	4
5.0 BILLING AND PAYMENT OF RATES AND CHARGES.....	5
6.0 ANCILLARY SERVICES.....	6
7.0 SUSPENSION OF SERVICE.....	6

1.0 **INTRODUCTION**

- 1.1 This Attachment sets forth terms and conditions for Section 251(b)(1) resale services (“Resale Services”) provided by AT&T-21STATE to CLEC.
- 1.2 Pursuant to Section 251(b)(1), beginning February 2, 2020, CLEC may order and AT&T-21STATE shall make available to CLEC for resale, pursuant to the rates, terms and conditions of this Attachment, Telecommunications Services that AT&T-21STATE provides at retail to End Users who are not Telecommunications Carriers. Beginning August 2, 2022, this Attachment shall govern all Resale Services CLEC orders from AT&T-21STATE, including Resale Services that were ordered prior to August 2, 2022 pursuant to other provisions of this Agreement and/or resale tariff and that remain in service as of that date (“Resale Embedded Base”).

2.0 **GENERAL PROVISIONS**

- 2.1 AT&T-21STATE’s obligation to provide Resale Services under this Attachment is subject to availability of existing facilities. CLEC may resell Telecommunications Services provided hereunder only in those service areas in which such Resale Services or any feature or capability thereof are currently offered to AT&T-21STATE’s End Users at retail.
- 2.2 Notwithstanding any other provision in this Agreement or in any applicable Tariff, once a retail service has been grandfathered it is available to CLEC for resale pursuant to the rates, terms and conditions of the state-specific retail Tariff and only:
- (i) to the same End User; and
 - (ii) at that same End User’s existing location;
 - (iii) both as of the time of that service’s grandfathering.
- 2.3 AT&T-21STATE may withdraw the availability of certain Telecommunication Services that AT&T-21STATE previously provisioned to CLEC or retail End Users pursuant to C.F.R 51.325 through 51.335 as such rules may be amended from time to time (the “Network Disclosure Rules”).
- 2.4 CLEC shall not use any Resale Services to avoid the rates, terms and conditions of AT&T-21STATE’s corresponding retail Tariff(s). Moreover, CLEC shall not use any Resale Services to provide access or interconnection services to itself, interexchange carriers (IXCs), wireless carriers, competitive access providers (CAPs), interconnected VoIP providers (IVPs), mobile virtual network operators (MVNOs), or other Telecommunications providers; provided, however, that CLEC may permit its End Users to use resold local exchange telephone service to access IXCs, wireless carriers, CAPs, or other retail Telecommunications providers. CLEC may not resell any Resale Services to another CLEC, including its own Affiliate(s).
- 2.5 Except as otherwise expressly provided herein, the state-specific retail Tariff(s) shall govern the rates, terms and conditions associated with the Telecommunications Services available to CLEC for resale, except for any resale restrictions; provided, however, that any restrictions on further resale by the End User shall continue to apply. CLEC and its End Users may not use Resale Services in any manner not permitted for AT&T-21STATE’s End Users. Any change to the rates, terms and conditions of any applicable Tariff is automatically incorporated herein and is effective hereunder on the date any such change is effective.
- 2.6 CLEC shall only sell Plexar®, Centrex and Centrex-like services to a single End User or multiple End User(s) in accordance with the terms and conditions set forth in the retail Tariff(s) applicable to the state(s) in which service is being offered.
- 2.7 Except where otherwise explicitly permitted in AT&T-21STATE’s Tariff(s), CLEC shall not permit the sharing of Resale Services by multiple End User(s) or the aggregation of traffic from multiple End User(s) onto a single service.
- 2.8 CLEC shall only provide Resale Services under this Attachment to the same category of End User(s) to which AT&T-21STATE offers such services (for example, residence service shall not be resold to business End Users).
- 2.9 Special Needs Services are services for the physically disabled as defined in state-specific Tariffs. Where available for resale in accordance with state-specific Tariffs, CLEC may resell Special Needs Services to End Users who are eligible for each such service. To the extent CLEC provides Resale Services that require certification on the part of

the End User, CLEC shall ensure that the End User meets all the Tariff eligibility requirements, has obtained proper certification, continues to be eligible for the program(s), and complies with all rules and regulations as established by the appropriate Commission and state Tariffs.

- 2.10 When ordering Resale Services that have an eligibility requirement (e.g., available only in a “retention”, “winback”, or “competitive acquisition” setting), CLEC shall maintain (and provide to AT&T-21STATE upon reasonable request) appropriate documentation, including, but not limited to, original End User service order data, evidencing the eligibility of its End User(s) for such offering or promotion. AT&T-21STATE may request up to one (1) audit for each promotion per twelve (12) month period that may cover up to the preceding twenty-four (24) month period.
- 2.11 Promotions of ninety (90) calendar days or less (“Short-Term Promotions”) shall not be available for resale. Promotions lasting longer than ninety (90) calendar (“Long-Term Promotions”) may be made available for resale. AT&T 21-STATE may eliminate any Resale Discount on all or certain Long-Term Promotions by providing a 45-day notice of such elimination.
- 2.12 If CLEC is in violation of any provision of this Attachment, AT&T-21STATE will notify CLEC of the violation in writing (“Resale Notice”). Such Resale Notice shall refer to the specific provision being violated. CLEC will have the breach cure period as specified in the General Terms and Conditions of this Agreement to correct the violation and notify AT&T-21STATE in writing that the violation has been corrected. AT&T-21STATE will bill CLEC the greater of:
- (i) the charges that would have been billed by AT&T-21STATE to CLEC or any Third Party but for the stated violation; or
 - (ii) the actual amounts CLEC billed its End User(s) in connection with the stated violation.
- 2.13 Notwithstanding any other provision of this Agreement, CLEC acknowledges and agrees that the assumption or resale to similarly-situated End Users of customer specific arrangement contracts, individual case basis contracts, or any other customer specific pricing contract is not addressed in this Agreement and that if CLEC would like to resell such arrangements, it may only do so consistent with applicable law and after negotiating an amendment hereto that establishes the rates, terms and conditions thereof. Such amendment will only be effective upon written execution by both Parties and approval by the Commission(s).
- 2.14 Except where otherwise required by law, CLEC shall not, without AT&T-21STATE’s prior written authorization, offer the services covered by this Attachment using the trademarks, service marks, trade names, brand names, logos, insignia, symbols or decorative designs of AT&T-21STATE or its Affiliates, nor shall CLEC state or imply that there is any joint business association or similar arrangement with AT&T-21STATE in the provision of Telecommunications Services to CLEC’s End Users.

3.0 PRICING AND DISCOUNTS

- 3.1 “Resale Discount” means the applicable discount off retail rates applied to AT&T-21STATE Telecommunications Services resold by CLEC to its End Users. Any change to the rates, terms and conditions of any applicable retail Tariff is automatically incorporated herein and is effective hereunder on the date any such change is effective.
- 3.2 The Resale Discounts in the underlying Interconnection Agreement will apply until AT&T-21STATE provides notification of change to the Resale Discounts. AT&T-21STATE will provide such notification at least three (3) months in advance of any change to current Resale Discounts. Changes to the Resale Discounts will be posted to AT&T CLEC Online and will be incorporated by reference upon the effective date stated therein. For avoidance of doubt, changes to Resale Discounts do not apply to Embedded Base Resale until August 2, 2022.

4.0 RESPONSIBILITIES OF PARTIES

- 4.1 CLEC shall be responsible for modifying and connecting any of its systems with AT&T-21STATE-provided interfaces, as outlined in Attachment 07 – Operations Support Systems (OSS), and CLEC agrees to abide by AT&T-21STATE procedures for ordering Resale Services. CLEC shall obtain End User authorization as required by applicable federal and state laws and regulations and assumes responsibility for applicable charges as specified in Section 258(b) of the Act.
- 4.2 CLEC shall release End User accounts in accordance with the directions of its End Users or an End User’s authorized

agent. When a CLEC End User switches to another carrier, AT&T-21STATE may reclaim the End User or process orders for another carrier, as applicable.

- 4.3 CLEC will have the ability to report trouble for its End Users to the appropriate AT&T-21STATE maintenance center(s) as provided in the CLEC Online Handbook(s). CLEC End Users calling AT&T-21STATE will be referred to CLEC at the telephone number(s) provided by CLEC to AT&T-21STATE. Nothing herein shall be interpreted to authorize CLEC to repair, maintain, or in any way touch AT&T-21STATE's network facilities, including without limitation those facilities on End User premises.
- 4.4 CLEC's End Users' that activate Call Trace, or who are experiencing annoying calls, should contact law enforcement. Law Enforcement works with the appropriate AT&T-21STATE operations centers responsible for handling such requests. AT&T-21STATE shall notify CLEC of requests by its End Users to provide call records to the proper authorities. Subsequent communication and resolution of each case involving one of CLEC's End Users (whether that End User is the victim or the suspect) will be coordinated through CLEC. AT&T-21STATE shall be indemnified, defended and held harmless by CLEC and/or the End User against any claim, loss or damage arising from providing this information to CLEC. It is the responsibility of CLEC to take the corrective action necessary with its End User who makes annoying calls. Failure to do so will result in AT&T-21STATE taking corrective action, up to and including disconnecting the End User's service.
- 4.5 CLEC acknowledges that information AT&T-21STATE provides to law enforcement agencies at the agency's direction (e.g., Call Trace data) shall be limited to available billing number and address information. It shall be CLEC's responsibility to provide additional information necessary for any law enforcement agency's investigation.
- 4.5.1 In addition to any other indemnity obligations in this Agreement, CLEC shall indemnify AT&T-21STATE against any Claim that insufficient information led to inadequate prosecution.
- 4.5.2 AT&T-21STATE shall handle law enforcement requests in accordance with the Law Enforcement provisions of the General Terms and Conditions of this Agreement.

5.0 BILLING AND PAYMENT OF RATES AND CHARGES

- 5.1 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.
- 5.1.1 Interexchange carrier traffic (e.g., sent-paid, information services and alternate operator services messages) received by AT&T-21STATE 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-21STATE.
- 5.2 AT&T-21STATE shall not be responsible for how the associated charges for Resale Services may be 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.
- 5.2.1 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.
- 5.2.2 If CLEC does not wish to be responsible for payment of charges for 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 CLEC's responsibility 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 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.
- 5.3 CLEC shall pay the Federal End User Common Line (EUCL) charge and any other appropriate FCC or Commission-approved charges, as set forth in the appropriate Tariff(s), for each local exchange line furnished to CLEC under this Attachment.

- 5.4 To the extent allowable by law, CLEC shall be responsible for both Primary Interexchange Carrier (PIC) and Local Primary IntraLATA Presubscription (LPIC) change charges associated with each local exchange line furnished to CLEC under this Attachment. CLEC shall pay all charges for PIC and LPIC changes at the rates set forth in the Pricing Schedule or, if any such rate is not listed in the Pricing Schedule, then as set forth in the applicable Tariff.

6.0 ANCILLARY SERVICES

- 6.1 E911 Emergency Service: The terms and conditions for the provision of AT&T-21STATE 911 services are contained in Attachment 911/E911.
- 6.2 Payphone Services: CLEC may provide certain local Telecommunications Services to Payphone Service Providers (PSPs) for PSPs' use in providing payphone service. Rates for Payphone Services are established under the provisions of Section 276 of the Federal Telecommunications Act of 1996 and are not eligible for the Resale Discount unless required by State Commission order(s). However, given certain billing system limitations, the Resale Discount may be applied to Payphone Services, unless and until AT&T-21STATE is able to modify its billing system, AT&T-21STATE may issue true-up bills in accordance with the provisions set forth in the General Terms and Conditions.

7.0 SUSPENSION OF SERVICE

- 7.1 See applicable Tariff(s) for rates, terms and conditions regarding Suspension of Service.
- 7.2 AT&T-21STATE will offer Suspension of Service to CLEC for CLEC initiated suspension of service of the CLEC's End Users. This service is not considered a Telecommunications Service and will receive no Resale Discount.

Exhibit B

AT&T ILEC ("AT&T")	CARRIER Legal Name	Contract Type	Last Party Signed/Approved Date
Illinois Bell Telephone Company, LLC d/b/a AT&T ILLINOIS	Global Crossing Local Services, Inc.	Interconnection	Approved: 02/17/1998
Indiana Bell Telephone Company Incorporated d/b/a AT&T INDIANA	Global Crossing Local Services, Inc.	Interconnection	Approved: 03/24/1999
Michigan Bell Telephone Company d/b/a AT&T MICHIGAN	Global Crossing Local Services, Inc.	Interconnection	Approved: 05/27/1999
The Ohio Bell Telephone Company d/b/a AT&T OHIO	Global Crossing Local Services, Inc.	Interconnection	Approved: 04/17/1998
Wisconsin Bell, Inc. d/b/a AT&T WISCONSIN	Global Crossing Local Services, Inc.	Interconnection	Approved: 01/19/1999

PRICING SHEETS

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

PRICING SHEETS

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
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

PRICING SHEETS

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 DSL Conditioning Options - >12KFT and < 17.5KFT	MUJ++, UOB++, UOR++	NRBXW	
14	IL	LOOP MODIFICATION	Removal of Load Coil - per element DSL Conditioning Options - >17.5KFT in addition to the rates for > 12KFT and < 17.5KFT per element	MUJ++, UOB++, UOR++	NRBXZ	
14	IL	LOOP MODIFICATION	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 - Initial - 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 - Initial - Per Occasion (Connect + Disconnect) Service Order - (Disconnect)	MUJ++, UOB++, UOR++	NKCG6	

PRICING SHEETS

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	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges - Service Ordering -(DS1) - Administrative Charge (Disconnect)	MUJ++, EE7MX, UOB++, UOR++	NR90T	
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++	NR90Y	
13	IL	UNBUNDLED EXCHANGE ACCESS LOOP	Loop Non-Recurring Charges - Service Provisioning (DS3) - Administrative Charge Connection Additional	MUJ++, EE7NX, UOB++, UOR++	NR90Z	
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

PRICING SHEETS

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
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
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

PRICING SHEETS

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
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++		

PRICING SHEETS

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++	CXCDX
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
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

PRICING SHEETS

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	
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	

PRICING SHEETS

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	
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	NKCAZ	
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		

PRICING SHEETS

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		
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	
7	IL	OPERATIONS SUPPORT SYSTEM	Provisioning - 4-Wire DS1 Digital Loop Connection - Additional Connection	EE7MX	NKCB N	

PRICING SHEETS

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	
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	

PRICING SHEETS

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	NKCCE	
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	NKCCH	
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	

PRICING SHEETS

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	

PRICING SHEETS

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

PRICING SHEETS

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
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

PRICING SHEETS

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	
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	

PRICING SHEETS

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	
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	

PRICING SHEETS

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
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

PRICING SHEETS

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
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

PRICING SHEETS

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
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	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Cross Connects DS3 C.O. LOOP Cross-Connect to Collocation	MUJ++, UOB++, UOR++	CXCBX	

PRICING SHEETS

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	
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	

PRICING SHEETS

13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, DS1 Loop, Establishment Request, Disconnect	EE7MX	NKCA Y	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) Service Order per LSR Electronic, DS1 Loop, Subsequent Order	EE7MX	NKCA Z	
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	
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			

PRICING SHEETS

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	NKCB8A	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 2-Wire Analog Loop Connection, Additional, Disconnect	EE7JX	NKCB8B	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire Analog Loop Connection, Initial, Install	EE7KX	NKCB8C	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire Analog Loop Connection, Initial, Disconnect	EE7KX	NKCB8D	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire Analog Loop Connection, Additional, Install	EE7KX	NKCB8E	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire Analog Loop Connection, Additional, Disconnect	EE7KX	NKCB8F	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 2-Wire Digital Loop Connection, Initial, Install	EE7LX	NKCB8G	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 2-Wire Digital Loop Connection, Initial, Disconnect	EE7LX	NKCB8H	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 2-Wire Digital Loop Connection, Additional, Install	EE7LX	NKCB8J	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 2-Wire Digital Loop Connection, Additional, Disconnect	EE7LX	NKCB8K	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire Digital Loop Connection, Initial, Install	EE7MX	NKCB8L	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire Digital Loop Connection, Initial, Disconnect	EE7MX	NKCB8M	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Enhanced Extended Loop (EEL) New Combination per Element 4-Wire Digital Loop Connection, Additional, Install	EE7MX	NKCB8N	

PRICING SHEETS

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		
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		

PRICING SHEETS

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		
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	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per Activity Non-Channelized Facility from Cage, DS3, Demarcation Re-Tag Charge	EE7NX		

PRICING SHEETS

13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per Activity Channelized 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 Activity Non-Channelized Facility from POP, DSO, Demarcation Re-Tag Charge			
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per Activity Non-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 Activity Non-Channelized Facility from POP, DS3, Design and Coordination Charge	EE7NX	NKCCJ	
13	IN	UNBUNDLED EXCHANGE ACCESS LOOP	Special Access to Une Conversion per Activity Non-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	
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	

PRICING SHEETS

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	
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	

PRICING SHEETS

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	

PRICING SHEETS

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

PRICING SHEETS

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
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

PRICING SHEETS

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	
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	

PRICING SHEETS

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
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

PRICING SHEETS

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	
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	
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

PRICING SHEETS

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
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

PRICING SHEETS

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
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

PRICING SHEETS

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++		
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	
13MR-SL	MI	SUB-LOOPS	Sub-Loop Non-Recurring Charges Sub-Loop Provisioning Disconnect (for disconnect) 4-Wire Analog	XHK++, XGK++	NRMOV	

PRICING SHEETS

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	
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

PRICING SHEETS

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	
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

PRICING SHEETS

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	
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	

PRICING SHEETS

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	
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	

PRICING SHEETS

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	

PRICING SHEETS

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

PRICING SHEETS

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
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

PRICING SHEETS

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	
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	

PRICING SHEETS

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	
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

PRICING SHEETS

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
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
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

PRICING SHEETS

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++		
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	

PRICING SHEETS

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
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

PRICING SHEETS

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	
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	

PRICING SHEETS

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	
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	

PRICING SHEETS

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

PRICING SHEETS

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
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

PRICING SHEETS

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	
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	

PRICING SHEETS

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	
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	

PRICING SHEETS

13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop Non-Recurring Charges Design & Central Office Connection Charge, per circuit - Disconnect	MUJ++, UOB++, UOR++, EE7MX	NR902	
13	WI	UNBUNDLED EXCHANGE ACCESS LOOP	DS3 Loop Non-Recurring Charges Customer Connection Charge per Termination	MUJ++, UOB++, UOR++, EE7MX	NR903	
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
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

PRICING SHEETS

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
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

PRICING SHEETS

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
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++		

PRICING SHEETS

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++		
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

PRICING SHEETS

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	
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	

PRICING SHEETS

13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Cross Connects DS1	UB5++, EE7MX, UK1++	CXCDX	
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	
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 Transpor 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	
13	WI	UNBUNDLED DEDICATED TRANSPORT	Dedicated Transport Installation & Rearrangement Charges DS3 Design & Central Office Connection Charge - Per Circuit	UB5++, EE7NX, UK3++	NRBCL	

PRICING SHEETS

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	