

**"CHARGE NUMBER"** is a CCS parameter which refers to the number transmitted through the network identifying the billing number of the calling party.

**"CLASS"** (Belcore Service Mark) -- Set of call-management service features that utilize the capability to forward a calling party's number between end offices as part of call setup. Features include Automatic Callback, Automatic Recall, Caller ID, Call Trace, and Distinctive Ringing.

**"CLEC"** means a Competitive Local Exchange Carrier.

**"COLLOCATION"** means the right of MCI to place equipment of its choice in the ILEC's central offices or other ILEC locations. This equipment may be placed via either a physical or virtual collocation arrangement. With physical collocation, MCI obtains dedicated space to place and maintain its equipment. With virtual collocation, the ILEC will install and maintain equipment that MCI provides to ILEC.

**"COMBINATIONS"** means provision by ILEC of two or more connected Network Elements ordered by MCI to provide its telecommunication services in a geographic area or to a specific customer and that are placed on the same order by MCI.

**"COMMISSION"** means the [insert name of state public utility commission].

**"CCS"** (COMMON CHANNEL SIGNALING) means a method of digitally transmitting call set-up and network control data over a digital signaling network fully separate from the public switched telephone network that carries the actual call.

**"CONDUIT"** means a tube or protected pathway that may be used to house communication or electrical cables. Conduit may be underground or above ground (for example, inside buildings) and may contain one or more inner ducts.

**"CONFIDENTIAL INFORMATION"** has the meaning set forth in Section 21 of Part A -- General Terms.

**"CONTRACT YEAR"** means a twelve (12) month period during the term of the contract commencing on the Effective Date and each anniversary thereof.

**"CONTROL OFFICE"** is an exchange carrier center or office designated as its company's single point of contact for the provisioning and maintenance of its portion of local interconnection arrangements.

**"CUSTOM CALLING FEATURES"** -- Set of call-management service features available to residential and single-line business customers including call-waiting, call-forwarding and three-party calling.

**"DBMS" (DATABASE MANAGEMENT SYSTEM)** is a computer system used to store, sort, manipulate and update the data required to provide selective routing and ALI.

**"DIRECTORY ASSISTANCE DATABASE"** refers to any subscriber record used by the ILEC in its provision of live or automated operator-assisted directory assistance including but not limited to 411, 555-1212, NPA-555-1212.

**"DIRECTORY ASSISTANCE SERVICES"** provides Listings to callers. Directory Assistance Services may include the option to complete the call at the caller's direction.

**"DIRECTORY LISTINGS"** refers to subscriber information, including but not limited to name, address and phone numbers, that is published in any media, including but not limited to traditional white/yellow page directories, specialty directories, CD ROM, and other electronic formats.

**"DISCLOSER"** means that party to this Agreement which has disclosed Confidential Information to the other party.

**"E911 Message Trunk"** is a dedicated line, trunk or channel between two central offices or switching devices which provides a voice and signaling path for E911 calls.

**"EFFECTIVE DATE"** is the date indicated in Part A on which the Agreement shall become effective.

**"EMERGENCY RESPONSE AGENCY"** is a governmental entity authorized to respond to requests from the public to meet emergencies.

**"ESN" (EMERGENCY SERVICE NUMBER)** is a number assigned to the ALI and selective routing databases for all subscriber telephone numbers. The ESN designates a unique combination of fire, police and emergency medical service response agencies that serve the address location of each in-service telephone number.

**"EMR"** means the Exchange Message Record System used among ILECs for exchanging telecommunications message information for billable, non-billable, sample, settlement and study data. EMR format is contained in BR-010-200-010 CRIS Exchange Message Record, published by Bellcore and which defines the industry standard for exchange message records.

**"E911" (ENHANCED 911 SERVICE)** means a telephone communication service which will automatically route a call dialed "911" to a designated public safety answering point (PSAP) attendant and will provide to the attendant the calling party's telephone number and, when possible, the address from which the call is

being placed and the emergency response agencies responsible for the location from which the call was dialed.

**"ENHANCED DIRECTORY ASSISTANCE"** refers to directory Assistance services, including but not limited to reverse search, talking yellow pages, and locator services.

**"ENHANCED WHITE PAGES"** means optional features available for White Pages Directory listings (e.g., bold, all capitals, logos).

**"ENHANCED YELLOW PAGES"** means optional features available for Yellow Pages Directory listings (e.g., red type, bold, all capital, additional line of text, indented).

**"EIS" (EXPANDED INTERCONNECTION SERVICE)** is the collocation arrangement which ILEC provides in its designated wire centers.

**"FCC Interconnection Order"** is the Federal Communications Commission's First Report and Order in CC Docket No. 96-98 released August 8, 1996.

**"ILEC"** means the incumbent local exchange carrier.

**"IXC" (INTEREXCHANGE CARRIER)** means a provider of interexchange telecommunications services.

**"INP" (INTERIM NUMBER PORTABILITY)** is a service arrangement whereby subscribers who change local service providers may retain existing telephone numbers without impairment of quality, reliability, or convenience when remaining at their current location or changing their location within the geographic area served by the initial carrier's serving central office.

**"IP" (INTERCONNECTION POINT)** is a mutually agreed upon point of demarcation where the networks of ILEC and MCI/m interconnect for the exchange of traffic.

**"LIDB" (LINE INFORMATION DATA BASE(S))** A Service Control Point (SCP) database that provides for such functions as calling card validation for telephone line number cards issued by ILECs and other entities and validation for collect and billed-to-third services.

**"NP" (NUMBER PORTABILITY) or "Number Portability" or "NP"** means the ability of users of telecommunications services to retain, at the same location, existing telecommunications numbers without impairment of quality, reliability, or convenience when switching from one telecommunications carrier to another.

**"MSAG" (MASTER STREET ADDRESS GUIDE (MSAG))** is a database defining the geographic area of an E911 service. It includes an alphabetical list of the street

names, high-low house number ranges, community names, and emergency service numbers provided by the counties or their agents to ILEC.

"MCI" means MCI Telecommunications Corporation.

"MCI<sub>m</sub>" means MCI<sub>m</sub>metro Access Transmission Services, Inc.

"MCI<sub>m</sub> 911 DATABASE RECORDS" are the MCI<sub>m</sub> customer records to be provided by MCI<sub>m</sub> to ILEC for inclusion in ILEC's E911 database.

"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 (including a LEC and a CLEC), or by one LEC in two or more states within a single LATA.

"MECOD" refers to the Multiple Exchange Carriers Ordering and Design (MECOD) Guidelines for Access Services - Industry Support Interface, a document developed by the Ordering/Provisioning Committee under the auspices 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 MECOD document, published by Bellcore as Special Report SR STS-002643, establishes recommended guidelines for processing orders for access service which is to be provided by two or more LECs (including a LEC and a CLEC). It is published by Bellcore as SRBDS 00983.

"NANP" means the "North American Numbering Plan," the system or method of telephone numbering employed in the United States, Canada, and certain Caribbean countries. It denotes the three digit Numbering Plan Area code and a seven digit telephone number made up of a three digit Central Office code plus a four digit station number.

"NENA" (NATIONAL EMERGENCY NUMBER ASSOCIATION (NENA)) is an association with a mission to foster the technological advancement, availability and implementation of 911 nationwide.

"NETWORK ELEMENT" means a facility or equipment used in the provision of a telecommunications service including all features, functions and capabilities that are embedded in such facility or equipment.

"NP" (NUMBER PORTABILITY) means the use of the Local Routing Number (LRN) database solution to provide fully transparent NP for all customers and all providers without limitation.

**"NPA" (NUMBERING PLAN AREA)** (sometimes referred to as an area code). Is the three digit indicator which is designated by the first three digits of each 10-digit telephone number within the NANP. Each NPA contains 800 possible NXX Codes. There are two general categories of NPA, "Geographic NPAs" and "Non-Geographic NPAs." A "Geographic NPA" is associated with a defined geographic area, and all telephone numbers bearing such NPA are associated with services provided within that Geographic area. A "Non-Geographic NPA," also known as a "Service Access Code (SAC Code)" is typically associated with a specialized telecommunications service which may be provided across multiple geographic NPA areas; 500, 800, 900, 700, and 888 are examples of Non-Geographic NPAs.

**"NXX," "NXX CODE," OR "CENTRAL OFFICE CODE," OR "CO CODE"** is the three digit switch entity indicator which is defined by the fourth, fifth and sixth digits of a 10 digit telephone number within the North America Numbering Plan ("NANP").

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

**"OPERATOR SYSTEMS"** is the Network Element that provides operator and automated call handling with billing, special services, customer telephone listings, and optional call completion services.

**"OPERATOR SERVICES"** provides (1) operator handling for call completion (e.g. collect calls); (2) operator or automated assistance for billing after the customer has dialed the called number (e.g. credit card calls); and (3) special services (e.g. BLV/ELI, Emergency Agency Call).

**"P.01 TRANSMISSION GRADE OF SERVICE (GOS)"** means a trunk facility provisioning standard with the statistical probability of no more than one call in 100 blocked on initial attempt during the average busy hour.

**"PLU" (PERCENT LOCAL USAGE)** is a calculation which represents the ratio of the local minutes to the sum of local and intraLATA toll minutes between exchange carriers sent over Local Interconnection Trunks. Directory assistance, BLV/BLVI, 900, 976, transiting calls from other exchange carriers and switched access calls are not included in the calculation of PLU.

**"POLE ATTACHMENT"** means the connection of a facility to a utility pole. Some examples of facilities are mechanical hardware, grounding and transmission cable, and equipment boxes.

**"POP"** means an IXC's point of presence.

**"PROPRIETARY INFORMATION"** shall have the same meaning as Confidential Information.

**"PSAP" (PUBLIC SAFETY ANSWERING POINT (PSAP))** is the public safety communications center where 911 calls placed by the public for a specific geographic area will be answered.

**"RATE CENTER"** means the geographic point and corresponding geographic area which are associated with one or more particular NPA-NXX codes which have been assigned to ILEC (or MCI) for its provision of Basic Exchange Telecommunications Services. The "rate center point" is the finite geographic point identified by a specific V&H coordinate, which is used to measure distance-sensitive end user traffic to/from the particular NPA-NXX designations associated with the specific Rate Center. The "rate center area" is the exclusive geographic area identified as the area within which ILEC (or MCI) will provide Basic Exchange Telecommunications Services bearing the particular NPA-NXX designations associated with the specific Rate Center. The Rate Center point must be located within the Rate Center area.

**"REAL TIME"** means the actual time in which an event takes place, with the reporting on or the recording of the event simultaneous with its occurrence.

**"RECIPIENT"** means that party to this Agreement (a) to which Confidential Information has been disclosed by the other party or (b) who has obtained Confidential Information in the course of providing services under this Agreement.

**"RESELLER"** is a category of Local Exchange service providers who obtain dial tone and associated telecommunications services from another provider through the purchase wholesale priced services for resale to their end user customers.

**"ROW" (RIGHT OF WAY (ROW))** means the right to use the land or other property of another party to place poles, conduits, cables, other structures and equipment, or to provide passage to access such structures and equipment. A ROW may run under, on, or above public or private property (including air space above public or private property) and may include the right to use discrete space in buildings, building complexes or other locations.

**"ROUTING POINT"** means a location which ILEC or MCI has designated on its own network as the homing (routing) point for traffic inbound to Basic Exchange Services provided by the ILEC or MCI which bear a certain NPA-NXX designation. The Routing Point is employed to calculate mileage measurements for the distance-sensitive transport element charges of Switched Access Services. Pursuant to Bellcore Practice BR 795-100-100, the Routing Point may be an "End Office" location, or a "LEC Consortium Point of Interconnection." Pursuant to that same Bellcore Practice, examples of the latter shall be designated by a common language location identifier (CLLI) code with (x)KD in positions 9, 10, 11, where (x) may be

any alphanumeric A-Z or 0-9. The above referenced Bellcore document refers to the Routing Point as the Rating Point. The Rating Point/Routing Point need not be the same as the Rate Center Point, nor must it be located within the Rate Center Area, but must be in the same LATA as the NPA-NXX.

"SECAB" means the Small Exchange Carrier Access Billing document prepared by the Billing Committee of the OBF. The Small Exchange Carrier Access Billing document, published by Bellcore as Special Report SR OPT-001856, contains the recommended guidelines for the billing of access and other connectivity services.

"SELECTIVE ROUTING" is a service which automatically routes an E911 call to the PSAP that has jurisdictional responsibility for the service address of the telephone that dialed 911, irrespective of telephone company exchange or wire center boundaries.

"SWITCH" -- See Central Office Switch

"TANDEM OFFICE SWITCHES" which are Class 4 switches which are used to connect and switch trunk circuits between and among end office switches and other tandems.

"TECHNICALLY FEASIBLE" refers solely to technical or operational concerns, rather than economic, space, or site considerations.

"TELECOMMUNICATIONS" means the transmission, between or among points specified by the user, of information of the user's choosing, without change in the form or content of the information as sent and received.

"TELECOMMUNICATION SERVICES" means the offering of telecommunication services for a fee directly to the public, or to such classes of users as to be effectively available directly to the public, regardless of the facilities used. As used in this definition.

"THOUSANDS BLOCK OF NUMBERS" shall mean 1000 or more consecutive numbers beginning and ending on a digit boundary, e.g., 949-1000 to 949-1999.

"TRCO" means Trouble Reporting Control Office.

"VOLUNTARY FEDERAL CUSTOMER FINANCIAL ASSISTANCE PROGRAMS" are Telecommunications Services provided to low-income subscribers, pursuant to requirements established by the appropriate state regulatory body.

"WIRE CENTER" denotes a building or space within a building which serves as an aggregation point on a given carrier's network, where transmission facilities and circuits are connected or switched. Wire center can also denote a building in which one or more central offices, used for the provision of Basic Exchange Services and

access services, are located. However, for purposes of EIC service, Wire Center shall mean those points eligible for such connections as specified in the FCC Docket No. 91-141, and rules adopted pursuant thereto.

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# ATTACHMENT I

## PRICE SCHEDULE

### 1. **General Principles**

1.1 All rates provided under this Agreement shall remain in effect for the term of this Agreement unless they are not in accordance with all applicable provisions of the Act, the Rules and Regulations of the FCC, or the Commission's rules and regulations, in which case Part A, Section 2 shall apply.

1.2 Except as otherwise specified in this Agreement, ILEC shall be responsible for (i) all costs and expenses it incurs in complying with its obligations under this Agreement and (ii) the development, modification, technical installation and maintenance of any systems or other infrastructure which it requires to comply with and to continue complying with its responsibilities and obligations under this Agreement.

### 2. **Non-Discriminatory Treatment**

ILEC shall offer rates to MCI in accordance with Part A, Sections 2.4, 13 and 19.

### 3. **Local Service Resale**

The rates that MCI shall pay to ILEC for Local Resale shall be an amount equal to ILEC's tariffed rates for each rate element as reduced by a percentage amount equal to the Total Applicable Discount (defined below). If ILEC reduces such tariffed rates during the term of this Agreement, the Total Applicable Discount shall be applied to the reduced tariffed rates.

#### 3.1 **Total Applicable Discount**

The Total Applicable Discount is the sum of two separate discounts: (i) the state by state Base Line Resale Discount; and (ii) the Volume Discount. The Volume Discount is described in Section 6 of this Attachment I.

#### 3.2 **Base Line Resale Discount**

The Base Line Resale Discount is included in Table 1 of this Attachment.

#### **4. Interconnection and Reciprocal Compensation**

4.1 Each party will be responsible for bringing their facilities to the Interconnection Point. MCI may designate an IP at any technically feasible point including but not limited to any electronic or manual cross-connect points, collocations, telco closets, entrance facilities, and mid-span meets.

4.2 At the discretion of MCI, Local Interconnection may be accomplished via one-way local trunks, or two-way local trunks, or MCI may choose to deliver both Local Traffic and toll traffic over the same trunk group(s). In the event MCI chooses to deliver both types of traffic over the same trunk, and desires application of the Local Interconnection rate, it will provide Percent Local Usage (PLU) to ILEC.

4.3 Compensation for the exchange of Local Traffic is set forth in Table 1 of this Attachment and shall be based on per-minutes -of-use.

4.4 When the interconnection is at an ILEC Tandem switch, MCI shall pay ILEC the rates for tandem switching, an average transport rate and a termination rate. ILEC will pay MCI a reciprocal compensation and symmetrical compensation rate.

4.5 MCI may choose to establish trunking to any given end office when there is sufficient traffic to route calls directly to such end office. If MCI leases one-way trunks from ILEC, MCI will pay the transport charges for dedicated or common transport. For two-way trunks the charges will be shared equally by both parties.

4.6 When the interconnection is at the ILEC end office, ILEC will pay MCI compensation based on tandem switching, average transport and termination when ILEC originated calls are terminated to MCI's subscribers. For calls originating on MCI's network and terminating to ILEC subscribers, MCI will pay ILEC compensation based on end office termination only.

4.7 Compensation for the termination of toll traffic and the origination of 800 traffic between the interconnecting parties shall be based on the applicable access charges in accordance with FCC Rules and Regulations.

4.8 Where a toll call is completed through ILEC's INP arrangement (e.g., remote call forwarding, flexible DID, etc.) to MCI's subscriber, MCI shall be entitled to applicable access charges in accordance with FCC Rules and Regulations.

4.9 MCI shall pay a transit rate as set forth in Table 1 of this Attachment when MCI uses an ILEC access tandem to terminate a call to a third party LEC or another CLEC. ILEC shall pay MCI a transit rate equal to the ILEC rate

referenced above when an ILEC uses an MCI switch to terminate a call to a third party LEC or another CLEC.

**5. Unbundled Network Elements**

The charges that MCI shall pay to ILEC for Network Elements are set forth in Table 1 of this Attachment I .

**6. Volume Discount**

An additional Volume Discount will be applied to any services purchased under this Agreement. The Volume Discount will be based on total revenue generated by MCI for all services covered by this agreement across all regions served by the ILEC.

Quarterly  
Revenue  
(\$Millions)

Volume  
Discount

%  
%  
%  
%  
%  
%  
%

**7. Directory Listings**

7.1 ILEC shall not charge MCI or its subscribers for (i) basic white page listings for residential customers; (ii) basic yellow page and business white page listings (as available to ILEC subscribers) for business subscribers; or (iii) distribution of white and yellow page directories. ILEC shall offer for resale enhanced directory listings at an amount equal to retail rates, less the Total Applicable Discount, and pursuant to terms and conditions no less favorable than those offered to ILEC subscribers.

7.2 MCI is responsible for providing ILEC with accurate directory information in an established format and in a timely manner.

TABLE 1  
PRICING  
State: \_\_\_\_\_

Item	Type	Explanation	Price Proposal	\$ Per Month					
			Zone 1	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	
Network Interface Device	Twisted Pair	2- or 4-wire	\$ per month						
	Smart Jack	T-1 line	\$ per month						
	Fiber		\$ per month						
	Coax		\$ per month						
Loop distribution	Twisted pair		\$ per month						
	Fiber		\$ per month						
	Coax		\$ per month						
	Hybrid		\$ per month						
	Other alternatives		\$ per month						
Digital Loop Carrier/Analog cross connect	Virtual remote terminal at DS0 and DS1 levels		\$ per month						
Combined loop feeder, DLC and distribution	Twisted pair	2-wire	\$ per month						
		4-wire ISDN ADSL HDSL							
	DS1		\$ per month						
	DS3		\$ per month						
	SONET OCn		\$ per month						

Item	Type	Explanation	Price Proposal
			Recurring
Baseline Resale Discount			%
Interconnection and Reciprocal Compensation	Tandem End Office Transit		\$ per minute \$ per minute \$ per minute
Local Switching	Line Port		\$ per month
		Coin includes public, semi-public, COCOT and options	\$ per month
		2 wire ISDN	\$ per month
		DS1 ISDN	\$ per month
		2 wire/4 wire analog interface to PBX	\$ per month
		DS1 interface to PBX or other CPE	\$ per month
		Switched Fractional DS1	\$ per month
		Direct Inward Dial interface	\$ per month
	Rotary Port		\$ per month
	Trunk Port	CAMA ANI	\$ per month
		FGB	\$ per month
		FGD/IEC Operator	\$ per month
		DS3	\$ per month
		64 kbps clear channel	\$ per month
		Switched digital - 56&64 kbps	\$ per month
	Switching capacity	includes intraoffice,	\$ per minute

		interoffice local originating and terminating	
	Features	Residence	none
		Business	none
		CLASS	none
		Centrex	none
		AIN	none
Local Operator Services	0+ calling card	0+ card automated card	\$ per call
	Station	0- card	\$ per call
		0- bill to third	\$ per call
		0- collect	\$ per call
		0- no attempt	\$ per call
		Automated bill to third	\$ per call
		0+ collect	\$ per call
		Automated collect	\$ per call
		Sent paid	\$ per call
	Person	0- card	\$ per call
		0- bill to third	\$ per call
		0- collect	\$ per call
		0+ calling card	\$ per call
		0+ bill to third	\$ per call
		0+ collect	\$ per call
	Dialing instructions		\$ per call
	Route 0- to live operator		none
	Time and Charges		\$ per work minute
	Busy line verification		\$ per call
	Emergency interrupt		\$ per call
	Emergency call trace		\$ per call
Local Operator Services	Operator transport		\$ per month
Local Directory Assistance	Directory Assistance		\$ per call
	DA Transport		\$ per month
	DA interconnection		\$ per month
	DA database		
	Direct access to DA database		
	DA call completion		
	Call completion		

	termination		
	Intercept		
Common Transport	Interoffice transmission path between LEC network elements		\$ per minute
Dedicated transport	Voice grade	2 Wire	\$ per month
		4 Wire	\$ per month
		IO Channel	\$ per month
	DS0	2 Wire	\$ per month
		4 Wire	\$ per month
		IO Channel	\$ per month
	DS1	Local Channel	\$ per month
		IO Channel	\$ per month
	DS3	Local Channel	\$ per month
		IO Channel	\$ per month
	STS-1		\$ per month
	Capacity on Shared circuit		\$ per month
	SONET ring system		\$ per month
Digital Cross Connect Systems	DCS 1/0		\$ per month
	DCS 3/1	28 DS1 Channel system Per DS1 basis	\$ per month
	DCS 3/3		
	STS-1 crossconnect		\$ per month
Tandem Switching			\$ per minute
STPs	ISUP message		\$ per message
	TCAP message		\$ per message
	Usage surrogate		\$ per mo. per 56 kbps facility
Signaling link transport	A or D link facility	56 kbps	\$ per month
Signaling Link Transport	Signaling facility termination		\$ per month
SCPs databases	Line Information database LIDB	Storage	
		Use of ILEC LIDB data	

		Validation	
	NP database		
	ALI/DMS database		
	SCE/SMS/AIN access		
Additional Directory Listings			
CMDS Hosting			
Non-sent paid Reporting system			
Poles, Ducts, Conduits and ROW	Maps		
	Pole Attachment Conduit		
	Innerduct		
Virtual Collocation	Space		
	Power		
	Entrance Facilities		
	DS1 Cross Connections		
	DS3 Cross Connections		
Physical Collocation	Space		
	Power		
	Entrance Facilities		
	DS1 Cross Connections		
	DS3 Cross Connections		
Lease of unused transmission media			

**Section 4. Service Functions**

4.1 ILEC shall provide MCIIm with the information MCIIm will need to certify subscribers as exempt from charges (including taxes), or eligible for reduced charges associated with providing services, including but not limited to handicapped individuals, and certain governmental bodies and public institutions and shall not bill MCIIm for such services.

4.2 ILEC shall provide MCIIm with appropriate notification of all area transfers with line level detail 120 days before service transfer, and will also notify MCIIm within 120 days before such change of any LATA boundary changes.

4.3 ILEC will work cooperatively with MCIIm in practices and procedures regarding the handling of law enforcement and service annoyance calls.

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## **ATTACHMENT III**

### **NETWORK ELEMENTS**

#### ***Section 1. Introduction***

ILEC shall provide unbundled Network Elements in accordance with this Agreement, FCC Rules and Regulations. The price for each Network Element is set forth in Attachment I of this Agreement. Except as otherwise set forth in this Attachment, MCI may order Network Elements as of the Effective Date.

#### ***Section 2. Unbundled Network Elements***

2.1 ILEC shall offer Network Elements to MCI on an unbundled basis on rates, terms and conditions that are just, reasonable, and non-discriminatory in accordance with the terms and conditions of this Agreement.

2.2 ILEC shall permit MCI to connect MCI's facilities or facilities provided to MCI by third parties with each of ILEC's unbundled Network Elements at any point designated by MCI that is technically feasible.

2.3 MCI may use one or more Network Elements to provide any feature, function, capability, or service option that such Network Element(s) is capable of providing or any feature, function, capability, or service option that is described in the technical references identified herein, or as may otherwise be determined by MCI.

2.3.1 MCI may, at its option, designate any technically feasible method of access to unbundled elements, including access methods currently or previously in use.

2.4 ILEC shall offer each Network Element individually and in combination with any other Network Element or Network Elements in order to permit MCI to provide Telecommunications Services to its customers.

2.5 For each Network Element, ILEC shall provide a demarcation point (e.g., at a Digital Signal Cross Connect, Light Guide Cross Connect panel or a Main Distribution Frame) and, if necessary, access to such

provides combined Network Elements at MCI's direction, no demarcation point shall exist between such contiguous Network Elements.

2.6 Charges in Attachment I are inclusive and no other charges apply, including but not limited to any other consideration for connecting any Network Element(s) with other Network Element(s).

2.7 This Attachment describes the initial set of Network Elements which MCI and ILEC have identified as of the effective date of this agreement:

- Loop
- Network Interface Device
- Distribution
- Local Switching
- Operator Systems
- Common Transport
- Dedicated Transport
- Signaling Link Transport
- Signaling Transfer Points
- Service Control Points/Databases
- Tandem Switching
- 911
- Directory Assistance

MCI and ILEC agree that the Network Elements identified in this Attachment are not all possible Network Elements.

MCI may identify additional or revised Network Elements as necessary to provide telecommunications services to its subscribers, to improve network or service efficiencies or to accommodate changing technologies, customer demand, or other requirements.

MCI will request such Network Elements in accordance with the bona fide request process described in Section 24 of Part A. Additionally, if ILEC provides any Network Element that is not identified in this Agreement, to itself, to its own subscribers, to an ILEC affiliate or to any other entity, ILEC shall make available the same Network Element to MCI on terms and conditions no less favorable to MCI than those provided to itself or to any other party at TELRIC prices.

### **Section 3. Standards for Network Elements**

3.1 Each Network Element shall be furnished at a service level equal to or better than the requirements set forth in the technical references referenced in the following, as well as any performance or other

3.1 Each Network Element shall be furnished at a service level equal to or better than the requirements set forth in the technical references referenced in the following, as well as any performance or other requirements, identified herein. In the event Bell Communications Research, Inc. ("Bellcore"), or industry standard (e.g., American National Standards Institute ("ANSI")) technical reference or a more recent version of such reference sets forth a different requirement, MCI may elect, where technically feasible, that such standard shall apply.

3.2 If one or more of the requirements set forth in this Agreement are in conflict, MCI shall elect which requirement shall apply.

3.3 Each Network Element provided by ILEC to MCI shall be at least equal in the quality of design, performance, features, functions, capabilities and other characteristics, including but not limited to levels and types of redundant equipment and facilities for power, diversity and security, that ILEC provides to itself, ILEC's own customers, to a ILEC affiliate or to any other entity.

3.3.1 ILEC shall provide to MCI, upon request, engineering, design, performance and other network data sufficient for MCI to determine that the requirements of this Section 3 are being met. In the event that such data indicates that the requirements of this Section 3 are not being met, ILEC shall, within 10 days, cure any design, performance or other deficiency and provide new data sufficient for MCI to determine that such deficiencies have been cured.

3.3.2 ILEC agrees to work cooperatively with MCI to provide Network Elements that will meet MCI's needs in providing services to its customers.

3.4 Unless otherwise requested by MCI, each Network Element and the connections between Network Elements provided by ILEC to MCI shall be made available to MCI on a priority basis, at any technically feasible point, that is equal to or better than the priorities that ILEC provides to itself, ILEC's own customers, to an ILEC affiliate or to any other entity.

#### **Section 4. Loop**

##### **4.1 Definition**

4.1.1 A loop is a transmission facility between a distribution frame [cross-connect], or its equivalent, in an ILEC central office or wire center, and the network interface device at a customer's premises,

to which MCI's granted exclusive use. This includes, but is not limited to two-wire and four-wire analog voice-grade loops, and two-wire and four-wire loops that are conditioned to transmit the digital signals needed to provide ISDN, ADSL, HDSL, and DS1-level signals. A loop may be composed of the following components:

Loop Concentrator / Multiplexer  
Loop Feeder  
Network Interface Device (NID)  
Distribution

Loop Distribution is a Network Element that is composed of two distinct component parts: a Network Interface Device and Distribution facilities. Each component part is defined in detail below.

4.1.2 If ILEC uses Integrated Digital Loop Carrier (DLCs) systems to provide the local loop, ILEC will make alternate arrangements to permit MCI to order a contiguous unbundled local loop at no additional cost to MCI. These arrangements may, at ILEC's option, include the following: provide MCI with copper facilities or universal DLC that are acceptable to MCI, deploy Virtual Remote Terminals, allow MCI to purchase the entire Integrated DLC, or convert integrated DLCs to non-integrated systems.

## **4.2. Technical Requirements**

Subdivided to each component as detailed below.

## **4.3 Interface Requirements**

Subdivided to each component as detailed below.

## **4.4 Loop Components**

### ***4.4.1 Loop Concentrator/Multiplexer***

#### **4.4.1.1 Definition:**

4.4.1.1.1 The Loop Concentrator/Multiplexer is the Network Element that:

(1) aggregates lower bit rate or bandwidth signals to

higher bit rate or bandwidth signals (multiplexing); (2) disaggregates higher bit rate or bandwidth signals to lower bit rate or bandwidth signals (demultiplexing); (3) aggregates a specified number of signals or channels to fewer channels (concentrating); (4) performs signal conversion, including encoding of signals (e.g., analog to digital and digital to analog signal conversion); and (5) in some instances performs electrical to optical (E/O) conversion.

4.4.1.1.2 The Loop Concentrator/Multiplexer function may be provided through a Digital Loop Carrier (DLC) system, channel bank, multiplexer or other equipment at which traffic is encoded and decoded, multiplexed and demultiplexed, or concentrated.

#### **4.4.1.2 Technical Requirements**

4.4.1.2.1 The Loop Concentrator/Multiplexer shall be capable of performing its functions on the signals for the following services, including but not limited to, (as needed by MCI to provide end-to-end service capability to its customer):

4.4.1.2.1.1 two-wire & four-wire analog voice grade loops;

4.4.1.2.1.2 two-wire & four-wire loops that are conditioned to transmit the digital signals needed to provide services such as ISDN, ADSL, HDSL, and DS1-level signals.

4.4.1.2.1.3 4-wire digital data (2.4Kbps through 64Kbps and n times 64Kbps (where  $n \leq 24$ );

4.4.1.2.1.4 DS3 rate private lines;

4.4.1.2.1.5 Optical SONET rate private lines;

4.4.1.2.2 The Loop Concentrator/Multiplexer shall perform the following functions as appropriate:

4.4.1.2.2.1 Analog to digital signal conversion of both incoming and outgoing (upstream and downstream) analog signals;

4.4.1.2.2.2 Multiplexing of the individual digital signals up to higher transmission bit rate signals (e.g., DS0, DS1, DS3, or optical SONET rates) for transport to the ILEC central office through the Loop Feeder; and

4.4.1.2.2.3 Concentration of end-user customer signals onto fewer channels of a Loop Feeder (The concentration ratio shall be as specified by MCI, who shall have the right to change).

4.4.1.2.3 ILEC shall provide power for the Loop Concentrator /Multiplexer, through a non-interruptible source if the function is performed in a central office, or from a commercial AC power source with battery backup if the equipment is located outside a central office. Such power shall also adhere to the requirements stated herein.

4.4.1.2.4 The Loop Concentrator/Multiplexer shall be provided to MCI in accordance with the following Technical References:

4.4.1.2.4.1 Bellcore TR-NWT-000057, Functional Criteria for Digital Loop Carrier Systems, Issue 2, January 1993.

4.4.1.2.4.2 Bellcore TR-NWT-000393, Generic Requirements for ISDN Basic Access Digital Subscriber Lines.

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

4.4.1.2.4.4 ANSI T1.105-1995, American National Standard for Telecommunications - Synchronous Optical Network (SONET) - Basic