



November 13, 2014

The Indiana Utilities Regulatory Commission
National City Center
101 West Washington Street
Suite 1500 E
Indianapolis, Indiana 46204

Enclosed for filing is an electronic copy of updates to Cincinnati Bell Any Distance (CBAD) ACCESS SERVICES TARIFF IURC NO. 1. This filing proposes to expand CBAD's Special Access offerings, as well as adding Ethernet Service, Wavelength Service, and Additional Engineering, Labor and Miscellaneous Services.

CBAD is not mirroring any Interstate tariffs and makes this filing pursuant to the Commission's 170 IAC 1-6 filing procedures.

Please direct questions to me. I can be reached at (513) 397-1231 or via email at mike.bishop@cinbell.com.

Sincerely,

A handwritten signature in black ink that reads "Michael E. Bishop".

Michael E. Bishop
Senior Manager –Switched
Services & Regulatory

Attachment

ACCESS SERVICE

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.2 Minimum Periods

The minimum period for which services are provided and for which rates and charges are applicable is one month except as noted otherwise.

When a service is discontinued prior to the expiration of the Minimum period, a one month charge will apply at the rate level in effect at the time service is discontinued.

2.4.3 Credit Allowance for Service Interruptions

(M)

(A) General

A service is interrupted when it becomes unusable to the customer because of a failure of a facility component used to furnish service under this tariff or in the event that the protective controls applied by the Company result in the complete loss of service by the customer. An interruption period starts when an inoperative service is reported to the Company, and ends when the service is operative.

(M)

Regulations found on this page were formerly found on Page 24.

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2. General Regulations (Cont'd)

2.4 Payment Arrangements and Credit Allowances (Cont'd)

2.4.3 Credit Allowance for Service Interruptions (Cont'd)

(M)

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(M)

(B) When a Credit Allowance Applies

In case of an interruption to any service, allowance for the period of interruption, if not due to the negligence of the customer, shall be as follows:

(1) For DS1 service, no credit shall be allowed for an interruption of less than thirty (30) minutes. The customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charges for the facility or service for each period of 30 minutes or major fraction thereof that the interruption continues.

(2) For OC Point-to-Point Special Access Services with 1+1 Protection Route and Central Office Survivability a Credit Allowance will be made for any occurrence of a Service interruption. For OC Point-to-Point Special Access Services without 1+1 Protection Route and Central Office Survivability a Credit Allowance will be made for each occurrence of a Service interruption period of (1) one or more consecutive minutes. For MercNet 45 service a Credit Allowance will be made for each occurrence of a Service interruption period of (2) two or more consecutive hours.

(N)

|

(N)

The monthly charges shall be the total of all the monthly rate element charges associated with the service.

(3) Credit allowance for Ethernet service is found in 5.2 following.

(N)

(4) Credit allowance for Wavelength service is found in 6.1(B) following.

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(5) Credit allowance for Ethernet Point-to Point service is found in 7.1(B) following.

(N)

Regulations formerly found on this page are now found on page 23

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4. Special Access Service*

(T)

4.1 General

Special Access provides a transmission path to connect customer designated premises.

4.1.1 Rate Categories

There are three basic rate categories which apply to Special Access Service:

- Channel Terminations (described in 4.4.1(A) following)
- Channel Mileage (described in 4.4.1(B) following)
- Optional Features and Functions (described in 4.4.1(C) following)

(A) Channel Termination

The Channel Termination rate category provides for the communications path between a Customer-designated premises and the Serving Wire Center of that premises. Included as part of the Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability itself is provided as an optional feature as set forth in (C) following. One Channel Termination charge applies per is terminated. This charge will apply even if the Customer-designated premises and the Serving Wire Center are located in the same Company building.

(B) Channel Mileage

The Channel Mileage rate category provides for the transmission facilities between the serving wire centers associated with two customer designated premises, between a serving wire center associated with a customer designed premises and a Company hub. There are two rates that apply for each band, i.e., a flat rate per band and a rate per mile.

* Where available.

(T)

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4. Special Access Service (Cont'd) (N)

4.1 General (Cont'd)

4.1.1 Rate Categories (Cont'd)

(C) Optional Features and Functions

The Optional Features and Functions rate category provides for optional features and functions which may be added to a Special Access Service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment, but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of equipment. Although the equipment necessary to perform a specified function may be installed at various locations along the path of the service, they will be charges for as a single rate element.

(D)

(D)

4.2 Ordering Service (T)

4.2.1 Contact Information (T)

To order Special Access services contact the following: (C)

- Senior Director - Telecom Professional Services
513-397-9386

- Director of Operations
513-397-6385

(D)

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4. Special Access Service (Cont'd)

(N)

4.3 Service Descriptions

4.3.1 High Capacity Service

(A) Basic Channel Description

A High Capacity channel is a channel for the transmission of nominal 1.544, 3.152, 6.312, or 274.176 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High Capacity channels are provided between customer designated premises, between a customer designated premises and a Company hub, or Hub to Hub for Customer Network Reconfiguration at 1.544 Mbps transmission.

A MercNET 45 High Capacity channel is a channel for the transmission of nominal 44.736 Mbps isochronous serial data.

The actual bit rate and framing format is a function of the channel interface selected by the customer. MercNET 45 High Capacity Service channels are provided between customer designated premises or between a customer designated premises and a Company Hub.

The customer is responsible for providing the Network Channel Terminating Equipment associated with the High Capacity channel at its premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

(B) Technical Specifications Packages

Parameter	Package HC					
	<u>0</u>	<u>1</u>	<u>1C</u>	<u>2</u>	<u>3</u>	<u>4</u>
Error-Free Seconds		X				

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4. Special Access Service (Cont'd)

4.3 Service Descriptions (Cont'd)

(N)

4.3.1 High Capacity Service (Cont'd)

(B) Technical Specifications Packages (Cont'd)

A channel with technical specifications package HC1 will be capable of an error-free second performance of 98.75% over a continuous 24 hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference TR-TSY-000342.

Extended superframe signaling format may be provisioned and transported on channels with technical specifications package HCI. Acceptance testing for such channels is included as well as any maintenance testing that is required to maintain the error free second performance specified herein. Additional testing requested by the customer is provided subject to the provisions set forth in 8.3.2 following.

(C) Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a High Capacity channel:

<u>CI</u>	<u>Bit Rate</u>
DS-15	1.544 Mbps (DS1)
DS-27	274.176 Mbps (DS4)
DS-31	3.152 Mbps (DS1C)
DS-44	44.736 Mbps (DS3)
DS-63	6.312 Mbps (DS2)

Compatible channel interfaces are set forth in Technical References TR-NPL-000054 and TR-TSY-000342.

(D) Optional Features and Functions

- (1) Alternate Central Office Channel - Provides a transmission path for services between the customer's premises and a wire center which is not the customer's serving wire

(N)

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4. Special Access Service (Cont'd)

4.3 Service Descriptions (Cont'd)

4.3.1 High Capacity Service (Cont'd)

(N)

(D) Optional Features and Functions (Cont'd)

(1) center, thus avoiding the office which would normally serve the customer. It is available only where facilities exist using 1.544 and 45 Mbps high capacity service.

(2) Service To Service Through Connect Arrangement

This provides for the interconnection of two 1.544 Mbps channels extended from multiplexed DS3 high capacity services. The ordering customer must provide channel assignments for both multiplexed services. This service can only be provided when both multiplexed DS3's are in the same wire center.

(3) Central Office Multiplexing

(a) DS4 to DS1

An arrangement that converts a 274.176 Mbps channel to 168 DS1 channels using digital time division multiplexing.

(b) DS3 to DS1

An arrangement that converts a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing.

(c) DS2 to DS1

An arrangement that converts a 6.312 Mbps channel to four DS1 channels using digital time division multiplexing.

(d) DS1C to DS1

An arrangement that converts a 3.152 Mbps channel to two DS1 channels using digital time division multiplexing

(N)

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4. Special Access Service (Cont'd)

4.3 Service Descriptions

4.3.1 High Capacity Service (Cont'd)

(N)

(D) Optional Features and Functions (Cont'd)

(4) Clear Channel Capability

Clear Channel Capability is an optional feature that provides the customer with an increase in useable bandwidth from 1.344 Mbps to 1.536 Mbps of an unconstrained data stream across the network. Clear Channel Capability is provided only on 1.544 Mbps High Capacity service and requires the customer signal at the channel interface to conform to Bipolar with Eight Zero Substitution (B8ZS) line code format as described in Technical Reference TR-TSY-000342. Customer equipment must be compatible with this method of providing the unconstrained signal.

The following table shows the technical specifications packages with which the optional features and functions are available.

	Available with Technical Specifications Package HC-					
	<u>0</u>	<u>1</u>	<u>1C</u>	<u>2</u>	<u>3</u>	<u>4</u>
Central Office Multiplexing:						
DS4 to DS1						X
DS3 to DS1					X	
DS2 to DS1				X		
DS1C to DS1			X			
Clear Channel Capability		X				

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4. Special Access Service (Cont'd)

4.3 Service Descriptions (Cont'd)

(N)

4.3.1 High Capacity Service (Cont'd)

(D) Optional Features and Functions (Cont'd)

(5) Enhanced Access Diversity (EAD)

EAD is an optional feature in which Special Access High Capacity Service (MercNET 1.5 and MercNET 45) is provided on a transmission facility alternately routed from the primary (Standard) transmission facility path.

This feature utilizes existing physically diverse interoffice facilities, excluding equipment and facilities located in a wire center, to provide diversity between serving wire centers only.

EAD may be provisioned on Company facilities where capability and capacity exist. Otherwise, the customer may order facilities under Special Construction.

When placing orders for EAD, the customer must identify the services that will be diverse, and any facilities placed under Special Construction that will be used. The customer must also supply all appropriate facility assignments and other information to permit the Company to provide and maintain EAD service.

When High Capacity MercNET 45 service is multiplexed, rates and charges for each EAD service connecting to the multiplexer will apply. Applicable rates and charges for the MercNET 45 service will also apply if identified as an EAD service. Customers leasing Company-provided multiplexers will provide and identify Connecting Facility Assignments of diverse services to the multiplexer.

(6) Cross-Connection to ILEC

This is an arrangement to cross-connect DS1 or DS3 Service from the Company to the Incumbent Local Exchange Carrier (ILEC) facilities at the same speed. One charge applies per service cross-connected.

(N)

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4. Special Access Service (Cont'd)

4.3 Service Descriptions (Cont'd)

4.3.2 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service (N)

- Point-to-Point Service

(A) Basic Channel Description

(1) General

Point-to-Point OC-3, OC-12, OC-48 and OC-192 channels provide high speed synchronous optical fiber-based full duplex data transmission capabilities. These services provide optical data transmission with the following characteristics:

- OC-3 Service provides channels operating at the terminating bit rate of 155.52 Mbps; and,
- OC-12 Service provides channels operating at the terminating bit rate of 622.08 Mbps.
- OC-48 Service provides channels operating at the terminating bit rate of 2488.32 Mbps.
- OC-192 Service provides channels operating at the terminating bit rate of 9953.28 Mbps.

OC-3, OC-12, OC-48 and OC-192 channels may be used to connect:

- one customer-designated premise to another customer-designated premise, either with or without the add/drop multiplexing capability at the customer-designated premises.
- a customer-designated premise either with or without add/drop multiplexing capability to a Telephone Company location where add/drop functions and/or cross-connections are performed.

Optical Transmission paths for OC-3, OC-12, OC-48 and OC-192 Services are differentiated by bit rate and the quality of transmission as delineated by the Optical Interface specified in established standard and technical publications.

OC-3, OC-12, OC-48, and OC-192 Service may be connected by (1) using the appropriate OC-3, OC-12, OC-48 or OC-192 add/drop multiplexer (mux) at the two customer Premises or between a customer premise and a Telephone Company location, or (2), by using the full bandwidth premise to premise, or between a customer premise and a Telephone Company location.

Add/Drop Multiplexing only occurs at the customer premise. The customer may supply the equipment, or have the Telephone Company supply the equipment for them. Add/Drop Multiplexing does not occur at the Telephone Company Serving Wire Center. (N)

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4. Special Access Service (Cont'd)

4.3 Service Descriptions (Cont'd)

4.3.2 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service
- Point-to-Point Service (Cont'd)

(N)

(A) Basic Channel Description (Cont'd)

(1) General (Cont'd)

Add/Drop Functions occur at the Customer Premises and at the Telephone Company Serving Wire Center in order to support the full bandwidth of the Service.

OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service based on customer requirements can be configured in any of the following ways:

OC-3 - three STS-1 (Synchronous Transport Signals) channels which each contain:

- one DS3 that is STS-1 mapped;
- up to 28 DS1s that are VT-mapped;
- an STS-1 channel without constraint to payload mapping when the STS-1 channel does not terminate via an add/drop function to DS1 or DS3 services within the CBT network;
- Any of the above arrangements may be used in combination with each other subject to utilization of the total OC-3 capacity
- a single concatenated STS-3C channel.

OC-12 - twelve STS-1 channels which each contain:

- one DS3 that is STS-1 mapped;
- up to 28 DS1s that are VT-mapped;
- an STS-1 channel without constraint to payload mapping when the STS-1 channel does not terminate via an add/drop function to DS1 or DS3 services within the CBT network;
- four concatenated STS-3C channels;
- Any of the above arrangements may be used in combination with each other subject to utilization of the total OC-12 capacity
- a single concatenated STS-12C channel.

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4. Special Access Service (Cont'd)

4.3 Service Descriptions (Cont'd)

(N)

4.3.2 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service - Point-to-Point Service (Cont'd)

(A) Basic Channel Description (Cont'd)

(1) General (Cont'd)

OC-48 - forty-eight STS-1 channels which each contain:

- one DS3 that is STS-1 mapped;
- up to 28 DS1s that are VT-mapped;
- an STS-1 channel without constraint to payload mapping when the STS-1 channel does not terminate via an add/drop function to DS1 or DS3 services within the CBT network;
- sixteen concatenated STS-3C channels;
- four concatenated STS-12C channels;
- any of the above arrangements may be used in combination with each other subject to utilization of the total OC-48 capacity;
- a single concatenated STS-48C channel.

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4. Special Access Service (Cont'd)

4.3 Service Descriptions (Cont'd)

(N)

4.3.2 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service - Point-to-Point Service (Cont'd)

(A) Basic Channel Description (Cont'd)

(1) General (Cont'd)

OC-192 - One hundred ninety two STS-1 channels which each contain:

- 1 DS3 that is STS1 mapped
- 64 concatenated STS-3C channels;
- 16 concatenated STS-12C channels;
- 4 concatenated STS-48c channels
- A single concatenated STS-192C channel

Any of the above arrangements may be used with in Combination with each other subject to utilization of the total OC-192 bandwidth.

(B) Channel Configuration

(1) OC-3, OC-12, OC-48 and OC-192 Channel Terminations

OC-3, OC-12, OC-48 and OC-192 Channels consist of Channel Terminations (CTs), interoffice mileage and optional features and functions.

OC-3, OC-12 OC-48 and OC-192 Channel Terminations provide optical interconnection between the Telephone Company Serving Wire Center (SWC) and the customer premise.

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4. Special Access Service (Cont'd)

4.3 Service Descriptions (Cont'd)

(N)

4.3.2 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service - Point-to-Point Service (Cont'd)

(B) Channel Configuration (Cont'd)

The following types of CTs are available:

<u>Terminating Bit Rate</u>	<u>Loop Format*</u>	<u>Data Transmission Format</u>
155.52	2 fiber	Synchronous
622.08	2 fiber	Synchronous
2488.32	2 fiber	Synchronous
9953.28	2 fiber	Synchronous

When OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service is provided, the customer has the option of supplying the add/drop multiplexing at the customer premises. If the customer chooses to supply the equipment, the add/drop multiplexing must be compatible with the add/drop multiplexing used by the Telephone Company in the Serving Wire Center. The Telephone Company will work with the customer to select compatible add/drop multiplexers which conform to the requirements set forth in established standard and technical publications.

(1) OC-3, OC-12, OC-48 and OC-192 Channel Terminations

All CTs comprising a channel must have the same terminating bit rate unless add/drop multiplexing is performed at the at the customer premise with the associated add/drop function and at the Telephone Company location with the appropriate add/drop functions.

(2) Channel Mileage

Channel Mileage facilities, comprised of Fixed and Per Mile as described in Section 4.1.4(B) preceding, provide the transmission paths between Serving Wire Centers associated with two customer-designated premises or between a Serving Wire Center associated with a customer premise and a Telephone Company Hub location. Four Channel Mileage types are available - OC-3 which supports bit rate of 155.52, OC-12 transport at the 622.08 bit rate, OC-48 transport at a bit rate of 2488.32 and OC-192 transport at a bit rate of 9953.28.

(N)

*Unidirectional Path Switched Rings
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4. Special Access Service (Cont'd)

4.3 Service Descriptions (Cont'd)

(N)

4.3.2 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service - Point-to-Point Service (Cont'd)

(B) Channel Configuration (Cont'd)

(2) Channel Mileage (Cont'd)

OC-3 CTs are interconnected to OC-3 transport.
OC-12 CTs are interconnected to OC-12 transport.
OC-48 CTs are interconnected to OC-48 transport.
OC-192 CTs are interconnected to OC-192 transport.

In addition, Channel Mileage can be connected between wire centers at a lower OC-N speed than the CT, if the transport is between a lower speed Add/Drop Function and:

- another lower speed Add/Drop Function;
- another lower speed Channel Termination;
- a lower speed Dedicated Ring Port;
- a lower speed Cross-Connect.

All of the above terminations must be the same speed as the Channel Mileage.

(3) Optional Features and Functions

The following optional features and functions are available: Add/Drop Multiplexing, Add/Drop Function, OC-3, OC-12, OC-48 and OC-192 Cross-Connection, 1+1 Protection with Route Survivability, 1+1 Protection with Central Office Survivability, and OC-48 and OC-192 Regenerator.

(a) OC-3, OC-12, OC-48 and OC-192 Add/Drop Multiplexing

An arrangement at the customer premise that allows an OC-3, OC-12, OC-48 or OC-192 channel operating at a terminating speed of 155.52 Mbps, 622.08 Mbps, 2488.32 Mbps, and 9953.28 Mbps, respectively, to add/drop a lower speed channel by using this feature along with the add/drop function as stated in (b) following.

(N)

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4. Special Access Service (Cont'd)

4.3 Service Descriptions (Cont'd)

(N)

4.3.2 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service - Point-to-Point Service (Cont'd)

(B) Channel Configuration (Cont'd)

(3) Optional Features and Functions (Cont'd)

(a) OC-3, OC-12 and OC-48 Add/Drop Multiplexing (Cont'd)

OC-3 add/drop multiplexing at a customer premise will provide the capability to support the full add/drop function capacity of OC-3 Service bandwidth with up to one OC-3 add/drop Function, three DS3 add/drop functions or equivalently up to three groups of 28 DS1 add/drop functions or equivalent combinations of DS3 and groups of 28 DS1 add/drop functions.

OC-12 add/drop multiplexing at a customer premise will provide the capability to support the full add/drop function capacity of OC-12 Service bandwidth with up to one OC-12 add/drop function, four OC-3 add/drop functions or up to 12 DS3 add/drop functions or equivalent combinations of OC-12, OC-3 and DS3 add/drop functions.

OC-48 add/drop multiplexing at a customer premise will provide the capability to support the full add/drop bandwidth, up to one OC-48 add/drop function, four OC-12 add/drop functions, sixteen OC-3 add/drop functions, 48 DS3 add/drop functions or equivalent combination of OC-12, OC-3 and DS3 add/drop functions.

OC-192 add/drop multiplexing at a customer premise will provide the capability to support the full add/drop function capacity of OC-192 Service bandwidth with up to one OC-192 add/drop function, four OC-48 add/drop functions, 16 OC-12 add/drop functions, 64 OC-3 add/drop functions or 192 DS3 add/drop functions or equivalent combination of DS3, OC-3, OC-12 and OC-48 add/drop functions.

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4. Special Access Service (Cont'd)

4.3 Service Descriptions (Cont'd)

(N)

4.3.2 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service
- Point-to-Point Service (Cont'd)

(B) Channel Configuration (Cont'd)

(3) Optional Features and Functions (Cont'd)

(b) Add/Drop Function

The OC-3, OC-12, OC-48 and OC-192 Service are able to add or drop lower level signals as shown in the matrix following. The add/drop function is offered at a circuit level. For example, if at the customer premise, a customer drops one DS3 signal from an OC-12 service, they would pay one add/drop Function charge for the DS3, plus the OC-12 add/drop multiplexing charge. If a DS3 needs to be dropped at a Telephone Company location, the customer would pay one DS3 add/drop Function Charge. No add/drop multiplexing charge applies at the Telephone Company location.

The OC-3, OC-12, OC-48 and OC-192 Service is only able to add/or drop the services that have been identified by payload content (mapping) within the bandwidth. DS1 mapped STS-1 signals are only able to connect to a DS1, and DS3 mapped STS-1 signals are only able to connect to a DS3. If a change is required, it may be accomplished by the customer's CPE or through the current asynchronous environment for multiplexing of DS3 and DS1 services stated in Section 4.3.1.

(N)

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4. Special Access Service (Cont'd)

4.3 Service Descriptions (Cont'd)

(N)

4.3.2 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service - Point-to-Point Service (Cont'd)

(B) Channel Configuration (Cont'd)

(3) Optional Features and Functions (Cont'd)

ADD/DROP Function

	DS1	DS3	OC3	OC12	OC48	OC192	10mg	1000mg	GigE
OC-192	No*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
OC-48	No*	Yes	Yes	Yes	Yes	N/A	Yes	Yes	Yes
OC-12	No*	Yes	Yes	Yes	N/A	N/A	Yes	Yes	Yes
OC-3	Yes	Yes	Yes	N/A	N/A	N/A	Yes	Yes	Yes

* to add/drop a DS1 from an OC-12 OC-48 and/or OC-192, an Optical to Electrical DS1 Add/Drop Capability must be purchases as well as an OC-3 Add/Drop Function and a DS1 Add/Drop Function.

(c) OC-3, OC-12, OC-48 and OC-192 Cross-Connection

This is an arrangement to cross-connect OC-3 Service, OC-12 Service OC-48 Service, or OC-192 Service to another service or to an add/drop function of the same speed at a wire center for the same or for a different customer on a per circuit basis. The customer must purchase service to the wire center from his designated premise. One charge applies per service cross-connected.

(d) Optical to Electrical DS1 Add/Drop Capability

This option allows an electrical DS1 to be derived From an OC-12 OC-48 or OC-192 by using this capability To add/drop the electrical DS1 from an OC-3 add/drop function. The OC-3 add/drop function must be purchased separately.

(N)

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4. Special Access Service (Cont'd)

4.3 Service Descriptions (Cont'd)

4.3.2 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service (N)
- Point-to-Point Service (Cont'd)

(B) Channel Configuration (Cont'd)

(3) Optional Features and Functions (Cont'd)

(d) 1+1 Protection with Route Survivability

This option will provide 1+1 protection and offer additional protection from fiber cable cuts by routing the working fiber pair via the primary route and the protect fiber pair via a physically diverse alternate route. The protect fiber will be charged on a distance-sensitive basis, based on quarter route miles, from the customer premise to the serving wire center.

This option will also provide 50 millisecond protection switching to assure 100 percent availability of the service. Any service interruption greater than one (1) minute will result in a credit equal to one month's bill for the circuit involved. If the interruption occurs on a Channel Termination without this option, normal terms and conditions for out-of-service credits as stated in 2.4.3 preceding will apply. An interruption period will start when an inoperative service is reported to the Telephone Company and end when the service is operative. In any month, as a result of an interruption, the total credit per rate element of the interrupted service may not exceed 100 percent of the monthly charge for that particular rate element. All other terms and conditions for Credit Allowances as stated in 2.4.3 preceding, will apply.

Installation of the 1+1 Protection with Route Survivability option will not begin until the customer has accepted the proposed routing by the Telephone Company.

(N)

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ACCESS SERVICE

4. Special Access Service (Cont'd)

4.3 Service Descriptions (Cont'd)

4.3.2 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service
- Point-to-Point Service (Cont'd)

(N)

(B) Channel Configuration (Cont'd)

(3) Optional Features and Functions (Cont'd)

(e) 1+1 Protection with Central Office Survivability
for OC-3, OC-12, OC-48 and OC-192

(a) This option will provide 1+1 protection and offer additional protection from Serving Wire Center (SWC) failure for services not terminating at the SWC. This will be accomplished by routing the working fiber pair via the primary route to the customer's SWC and the protect fiber pair to an alternate wire center chosen by the Telephone Company. The protect fiber will be charged on a distance-sensitive basis, based on quarter route miles, from the customer premise to the alternate wire center. Channel Mileage for the appropriate OC-3, OC-12, OC-48 or OC-192 Service ordered will be charged between the SWC and the alternate wire center using the V&H coordinates method as stated in National Exchange Carrier Association Tariff F.C.C. No. 4.

This option will also assure 100 percent availability of the service. Any service interruption greater than one (1) minute will result in a credit equal to one month's bill for the circuit involved. If the interruption occurs on a Channel Termination without this option, normal terms and conditions for out of service credits as stated in 2.4.3 preceding will apply. An interruption period will start when an inoperative service is reported to the Telephone Company and end when the service is operative. In any month, as a result of an interruption, the total credit per rate element of the interrupted service may not exceed 100 percent of the monthly charge for that particular rate element. All other terms and conditions for Credit Allowances as stated in 2.4.3 preceding, will apply.

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4. Special Access Service (Cont'd)

4.3 Service Descriptions (Cont'd)

4.3.2 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service
- Point-to-Point Service (Cont'd)

(N)

(B) Channel Configuration (Cont'd)

(3) Optional Features and Functions (Cont'd)

(e) 1+1 Protection with Central Office Survivability
for OC-3, OC-12, OC-48 and OC-192 (Cont'd)

Installation of the 1+1 Protection with Central Office Survivability option will not begin until the customer has accepted the proposed routing by the Telephone Company.

If the customer wants to use this optional feature as a ring extension with OC-12, OC-48, or OC-192 Dedicated Ring Service, then both the customer's Serving Wire Center and alternate wire center must have Nodes located on the ring. The Telephone Company will work cooperatively with the customer to determine the appropriate alternate wire center to be used for the Dedicated Ring situation. Channel Mileage will not apply to this option when used with a ring extension.

(N)

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4. Special Access Service (Cont'd)

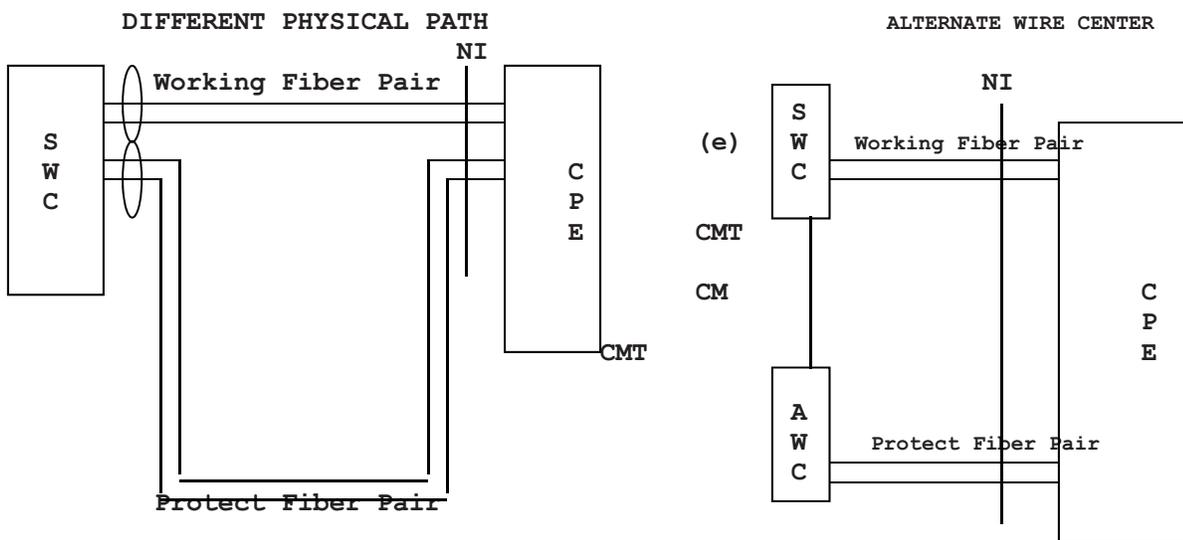
4.3 Service Descriptions (Cont'd)

4.3.2 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service - Point-to-Point Service (Cont'd)

(N)

(B) Channel Configuration (Cont'd)

(1) Optional Features and Functions (Cont'd)



*CM = Channel Mileage
 *CMT = Channel Mileage Terminations

(f) OC-48 and OC-192 Regenerators

Regenerators provide essential detection and retransmission of SONET Optical signals between customer premises. Regenerators will be provided as required by the Telephone Company when actual fiber facility distances between customer designated premise and/or central office locations exceed design limits (typically 18 to 25 miles). Regenerators will be located exclusively in Telephone Company central offices.

The following diagrams provide an example of (d) and (e) above:

(N)

ACCESS SERVICE

4. Special Access Service (Cont'd)

4.3 Service Descriptions (Cont'd)

4.3.3 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service Dedicated Ring

(N)

(A) Basic Service Description

(1) General

OC-3, OC-12, OC-48 and OC-192 Dedicated Ring Service operates at the same speeds as Point-to-Point Services, however, the Dedicated Ring Service provides a customer a dedicated custom network. The network is in a ring architecture designed to provide increased reliability and functionality connecting multiple customer-designated locations and specified Telephone Company Central Offices (COs) via self-healing network designs. Dedicated Ring Service will provide 50 millisecond protection switching to assure 100 percent availability of the services on the ring. Dedicated Ring Service is provided where appropriate SONET facilities are available. Where facilities are not available, Special Construction may apply.

Dedicated Ring Service is an alternative to OC-3, OC-12, OC-48 and OC-192 point-to-point service between multiple customer locations. Rate elements include nodes, ports, mileage between nodes, regenerators, Optical to Electrical DS1 add/drop capability and Optical OC-48 add/drop capability. Rates are specified in 4.5.2 following.

Existing customers with Point-to-Point OC-3, OC-12, OC-48 and OC-192 may upgrade to Dedicated Ring Service without termination liability.

A service interruption greater than one (1) minute will result in a credit equal to one month's bill for the individual port-to-port connection involved. An interruption of service will start when an inoperative service is reported to the Telephone Company and end when the service is operative. In any month, as a result of an interruption, the total credit per rate element of the interrupted service may not exceed 100 percent of the monthly charge for that particular rate element.

(N)

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4. Special Access Service (Cont'd)

4.3 Service Descriptions (Cont'd)

4.3.3 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service
Dedicated Ring (Cont'd)

(N)

(B) Dedicated Ring Configuration

(1) Nodes

The ring will provide connectivity to multiple customer-designated locations (nodes). However, a ring must have a minimum of three nodes. At least one node must be a Telephone Company CO and one must be a customer premise. A maximum of 16 nodes, including regenerators, will be allowed per ring.

The Telephone Company reserves the right to determine the order of the nodes on the ring.

When a customer premise node is located in the same building as a CO node, there will be no diversity between the two nodes.

The customer will be billed time and material for any additional charges incurred by the Telephone Company in locating Company equipment at the customer premise.

(N)

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4. Special Access Service (Cont'd)

4.3 Service Descriptions (Cont'd)

4.3.3 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service

(N)

Dedicated Ring (Cont'd)

(B) Dedicated Ring Configuration (Cont'd)

(3) Ports

The ring capacity will be either OC-3, OC-12, OC-48 or OC-192. Lower speed channels are accessible at nodes via port terminations.

Accepted interfaces are as follows:

OC-n Ring Type

(Maximum number of ports supported by Ring Type)

PORTS	OC-3	OC-12	OC-48	OC-192
DS1	84	84/OC-3 Port**	84/OC-3 Port**	84/OC-3 Port**
DS3	3	12	48	192
OC-3	1	4	16	64
OC-12	N/A	1	4	16
OC-48	N/A	N/A	1	4
OC-192	N/A	N/A	N/A	1

OC-3 Point-to-Point service may connect to an OC-3 port of an OC-12, OC-48 ring, or OC-192 ring. OC-12 Point-to-Point service may connect to an OC-12 port of an OC-48 ring or OC-192 ring located in a Company CO. OC-48 Point-to-Point service may connect to an OC-48 port of an OC-192 ring.

As described in Section 4.3.2.A for OC-3 Service, an OC-3 port will permit the connection of STS-1 channels to other STS-1 channels across the OC-12, OC-48 or OC-192 Dedicated Ring Service subject to The overall ring capacity limits described in (6) following. Also, an STS-1 channel with DS1 payload mapping accessing an OC-12 Dedicated Ring using an OC-3 port may be connected to the Optical to Electrical DS1 add/drop capability for the purpose of connecting up to 28 DS1 ports. An STS-1 channel with DS3 payload mapping accessing the OC-12 or OC-48 Dedicated Ring using an OC-3 port may individually connect to a DS3 port.

(N)

* Optical to Electrical DS1 add/drop capability as shown in 4.3.3(B) (4) is needed along with an OC-3 Port.

** Number of interfaces on Nodes equipped for multiplexing may vary.

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4. Special Access Service (Cont'd)

4.3 Service Descriptions (Cont'd)

4.3.3 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service
Dedicated Ring (Cont'd)

(N)

(B) Dedicated Ring Configuration (Cont'd)

(3) Ports (Cont'd)

DS1 ports, DS3 ports and STS-1 channels within OC-3 ports may not connect to any other ports within the same node. All other port-to-port connections are allowable except for DS3 port to DS1 port connections. If a DS3 to DS1 connection is required, it may be accomplished by the customer's CPE or through the current multiplexing environment of DS3 and DS1 Services described in Section 4.3.9.

(4) Mileage

Mileage is the total airline distance between the serving wire center of each node involved on the ring. A one mile minimum will be billed between nodes.

In addition, interoffice transport may be connected between wire centers at a lower OC-N speed than the Dedicated Ring, if the transport is between a dedicated ring port and:

- a lower speed Add/Drop Function;
- a lower speed Channel Termination;
- another lower speed Dedicated Ring Port;
- a lower speed Cross-Connect;

All of the above terminations must be the same speed as the transport.

(5) Optical to Electrical DS1 Add/Drop Capability

This option allows an electrical DS1 to be derived from an optical OC-12 OC-48 or OC-192 ring by using this capability to add/drop the electrical DS1 from an OC-3 port.

(6) Dedicated Ring Regenerator

Regenerators provide essential detection and re-transmission of SONET Optical 155.52 Mbps, 622.08 Mbps, 2488.32 Mbps and 9953.28 Mbps signals between nodes. Regenerators will only be provided as required by the Telephone Company when actual fiber facility distances between customer-designated nodes exceed inter-nodal design limits (typically 18 to 25 miles). Regenerators will be located exclusively in Telephone Company COs and do not allow ports to access customer service connections.

(N)

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4. Special Access Service (Cont'd)

4.3 Service Descriptions (Cont'd)

4.3.3 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service
Dedicated Ring (Cont'd) (N)

(B) Dedicated Ring Configuration (Cont'd)

(7) Dedicated Ring Connection Capacity

For OC-3 Dedicated Ring Service, the maximum ring capacity between nodes is not to exceed 3 STS-1 equivalentents. OC-3 Dedicated Ring Services will provide capability for node-to-node connection of DS1, STS-1 or STS-3C, using DS1, DS3 and OC-3 ports on the OC-3 ring.

For OC-12 Dedicated Ring Service, the maximum ring capacity between nodes is not to exceed 12 STS-1 equivalentents. OC-12 Dedicated Ring Services will provide capability for node-to-node connection of STS-1, STS-3C or STS-12C Channels using DS3, OC-3 or OC-12 ports on the OC-12 ring. DS1 Port Connections are available with OC-12 Dedicated Ring Service if an OC-3 Port and an Optical to Electrical DS1 add/drop capability is purchased.

For OC-48 Dedicated Ring Service, the maximum ring capacity between nodes is not to exceed 48 STS-1 equivalentents. OC-48 Dedicated Ring Services will provide capability for node-to-node connection of DS3, STS-1, STS-3C, STS-12C or STS-48C Channels using DS3, OC-3, OC-12, or OC-48 ports on the OC-48 ring. DS1 Port Connections are available with OC-48 Dedicated Ring Service if an OC-3 Port and an Optical to Electrical DS1 add/drop capability is purchased.

For OC-192 Dedicated Ring Service, the maximum ring capacity between nodes is not to exceed 192 STS-1 equivalentents. OC-192 Dedicated Ring Services will provide capability for node-to-node connection of DS3, STS-1, STS-3C, STS-12C, STS-48C or STS-192C Channels using DS3, OC-3, OC-12, OC-48 or OC-192 ports on the OC-192 ring. DS1 Port Connections are available with OC-192 Dedicated Ring Service if an OC-3 Port and an Optical to Electrical DS1 add/drop capability is purchased. (N)

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4. Special Access Service (Cont'd)

4.3 Service Descriptions (Cont'd)

4.3.3 OC-3 Service, OC-12 Service, OC-48 Service and OC-192

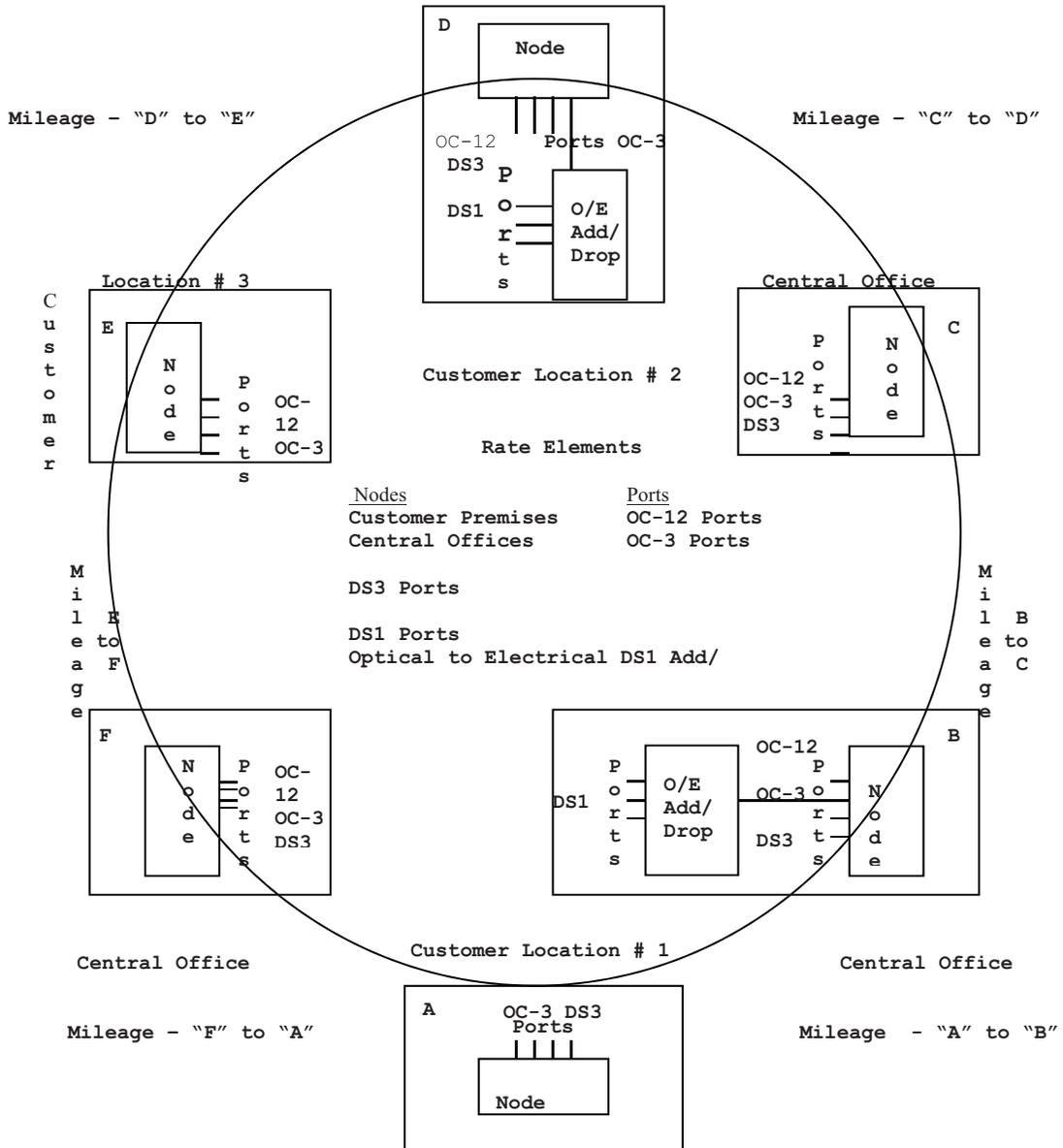
(N)

Service Dedicated Ring (Cont'd)

(B) Dedicated Ring Configuration (Cont'd)

(8) Diagram OC-3, OC-12 OC-48, and OC-192 Ring

CBT OC-12 Dedicated Ring Service



(N)

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4. Special Access Service (Cont'd)

4.3 Service Descriptions (Cont'd)

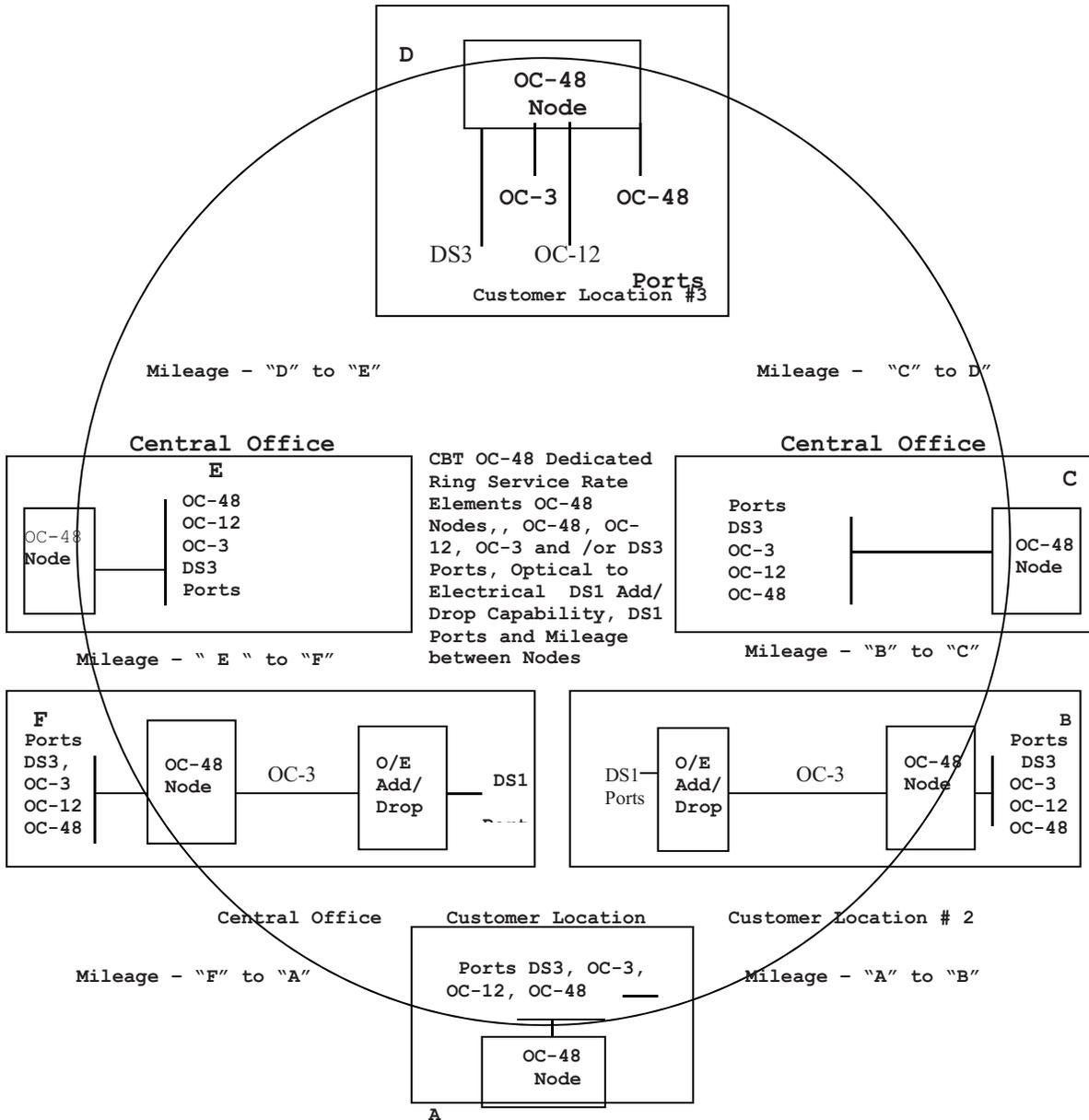
4.3.3 OC-3 Service, OC-12 Service, OC-48 Service and OC-192

Service Dedicated Ring (Cont'd)

(B) Dedicated Ring Configuration (Cont'd)

(8) Diagram OC-3, OC-12, OC-48 and OC-192 Ring

CBT OC-48 Dedicated Ring Service



(N)

(N)

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4. Special Access Service (Cont'd)

4.4 Rate Regulations

(N)

4.4.1 Types of Rates and Charges

There are three types of rates and charges. These are monthly rates, daily rates and nonrecurring charges. The rates and charges are described as follows:

(A) Monthly Rates

Monthly rates are flat recurring rates that apply each month or fraction thereof that a Special Access Service is provided. For billing purposes, each month is considered to have 30 days.

For Channel Terminations associated with MercNET 45 High Capacity Service there are higher monthly rates for the first channel termination and lower monthly rates for the second, third and above channel terminations provided when the following conditions are met:

- The first, second, and third and above service(s) are billed to the same customer premises.
- The first, second, and third and above service(s) must be provided to the same customer premises.
- Each subsequent order for a channel termination is eligible for the appropriate lower monthly rate.

(N)

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4. Special Access Service (Cont'd)

4.4 Rate Regulations (Cont'd)

4.4.1 Types of Rates and Charges (Cont'd)

(N)

(B) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Special Access Service are: installation of service, installation of optional features and functions, and service rearrangements.

(1) Installation of Service

Nonrecurring charges apply to some services installed. The nonrecurring charges for the installation of service are set forth as a nonrecurring charge for the Channel Termination rate element.

(N)

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4. Special Access Service (Cont'd)

4.4 Rate Regulations (Cont'd)

4.4.1 Types of Rates and Charges (Cont'd)

(N)

(B) Nonrecurring Charges (Cont'd)

(2) Installation of Optional Features and Functions

Nonrecurring charges apply for the installation of some of the optional features and functions available with Special Access Service. The charge applies whether the feature or function is installed coincident with the initial installation of service or at any time subsequent to the installation of the service.

The optional features for which nonrecurring charges apply are:

- Service to Service through Connect Arrangement-1.544 Mbps
- High Capacity Clear Channel Capability

(3) Service Rearrangements

Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period or a change in the physical location of the point of the termination at a customer designated premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts.

Changes in the physical location of the point of the termination are treated as moves and are described and charged for as set forth in 4.4.3 following.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service. Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Access Service to the same entity (i.e., customer remains responsible

(N)

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4. Special Access Service (Cont'd)

4.4 Rate Regulations (Cont'd)

4.4.1 Types of Rates and Charges (Cont'd)

(N)

(B) Nonrecurring Charges (Cont'd)

for all outstanding indebtedness for the Access Service). Administrative changes are as follows:

- Change of customer name, (i.e., the customer of record does not change but rather the customer of record changes its name.
- Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction

All other service rearrangements will be charged for as follows:

- If the change involves the addition of other customer designated premises to an existing multipoint service, the nonrecurring charge for the channel termination rate element will apply. The charge(s) will apply only for the location(s) that is being added.
- If the change involves the addition of an optional feature or function which has a separate nonrecurring charge, that nonrecurring charge will apply.
- For all other changes, including the addition of an optional feature or function without a separate nonrecurring charge, a charge equal to a channel termination rate element nonrecurring charge will apply. Only one such charge will apply per channel termination, for all changes of this type made at one time.

(N)

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4. Special Access Service (Cont'd)

4.4 Rate Regulations (Cont'd)

4.4.2 Minimum Periods

(N)

The minimum service period for all services is one month except as follows:

- (A) The minimum period for individual case basis (ICB) high capacity services is one month unless otherwise specified in the ICB filing.
- (B) For Optional Payment Plans (OPP) for Digital Data Service MercNET 45 and 1.544 High Capacity Services the minimum period is specified in paragraph 4.4.7 following.
- (C) The minimum service period for DS1, DS3, Point-to-Point OC-3, OC-12 or OC-48 Services is 12 months. After the minimum period is satisfied, see specified regulations in paragraph 4.4.7 following.
- (D) The minimum service period for OC-3 Dedicated Ring, OC-12 Dedicated Ring or OC-48 Dedicated Ring Service is 36 months. After the minimum period is satisfied, see specified regulations in paragraph 4.4.7 following.
- (E) The minimum service period for Ethernet Service is 36 months. After the minimum period is satisfied, see specified regulations in paragraph 4.4.7 following

4.4.3 Moves

A move involves a change in the physical location of one of the following.

- The Point of Termination at the customer's premises
- The customer's premises

The charges for the move are identical whether the move is to a new location within the same building or to a different building.

All moves will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued services.

(N)

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4. Special Access Service (Cont'd)

4.4 Rate Regulations (Cont'd)

4.4.4 Mileage Measurement

(N)

The mileage to be used to determine the monthly rate for the Channel Mileage is calculated on the airline distance between the locations involved, i.e., the serving wire centers associated with two customer designated premises, a serving wire center associated with a customer designated premises and a Company hub, or two Company hubs. The serving wire center associated with a customer designated premises is the serving wire center from which this customer designated premises would normally obtain dial tone.

Mileage is shown in 4.5 following in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V&H coordinates method, as set forth in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF FCC No. 4, then find the band into which the computed mileage falls and apply the rate shown for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

When hubs are involved, mileage is computed and rates applied separately for each section of the Channel Mileage, i.e., customer designated premises serving wire center to hub, hub to hub and/or hub to customer designated premises serving wire center. However, when any service is routed through a hub for purposes other than customer specified bridging, multiplexing or Customer Network Reconfiguration Service (e.g., the Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.

(N)

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4. Special Access Service (Cont'd)

4.4 Rate Regulations (Cont'd)

4.4.5 Facility Hubs

(N)

A customer has the option of digital high capacity facilities (i.e., DS1, or DS3) to a facility hub for channelizing to individual services requiring lower capacity facilities.

Different locations may be designated as hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. When placing an Access Order the customer will specify the desired hub. The National Exchange Carrier Association Tariff FCC No. 4 identifies serving wire centers, hub locations and the type of multiplexing functions available.

Some of the types of multiplexing available include the following:

- from higher to lower bit rate
- from higher to lower bandwidth
- from digital to voice frequency channels

End to end services may be provided on channels of these facilities to a hub. The transmission performance for the end to end service provided between customer designated premises will be that of the lower capacity or bit rate.

(N)

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4. Special Access Service (Cont'd)

4.4 Rate Regulations (Cont'd)

4.4.5 Facility Hubs (Cont'd)

(N)

The Company will commence billing the monthly rate for the facility to the hub on the date specified by the customer on the Access Order. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the hub or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a High Capacity digital Channel Termination, Channel Mileage (when applicable) and the multiplexer at the time the facility is installed. Individual service rates (by service type) will apply for a Channel Termination and additional Channel Mileage (as required) for each channelized service. These will be billed to the customer as each individual service is installed.

Cascading multiplexing occurs when a high capacity digital channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed.

When cascading multiplexing is performed, whether in the same or a different hub, a charge for the additional multiplexing unit also applies. When cascading multiplexing is performed at different hubbing locations, Channel Mileage charges also apply between the hubs.

Although not requiring multiplexing, certain services must be routed to Company designated hubs when connection is desired with other broadcast facilities. A customer can order service(s) between customer designated premises and a hub and will be billed accordingly at the rates set forth in 4.5 following as appropriate. The customer will be charged for each such connection made at the rates for Other Labor as set forth in 8.2.6(C) following. The rates that apply for the service between each customer designated premises and the hub are a Channel Termination and Channel Mileage, if applicable.

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4. Special Access Service (Cont'd)

4.4 Rate Regulations (Cont'd)

4.4.6 Shared Use High Capacity Services

(N)

Shared use occurs when Special Access Service and Switched Access Service including CCSAC signaling connections are provided over the same High Capacity facilities through a common interface. The facility will be ordered, provided and rated as Special Access Service (i.e., Channel Termination, Channel Mileage, as appropriate, and Multiplexer). The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate Special Access High Capacity Channel Termination. Individual service including Switched Access CCSAC signaling connections (i.e. Switched or Special Access) non-recurring charges will not apply to the individual channels of the shared used facility. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service including CCSAC signaling connections. As each individual channel is activated for Switched Access Service including CCSAC signaling connections, the Special Access Channel Termination Channel Mileage and Multiplexer rates, as appropriate, will be reduced accordingly (e.g., 1/24th for a DS1 service, etc.) The customer must place an order for each individual Switched or Special Access Service including CCSAC signaling connections utilizing the Shared Use Facilities and specify the channel assignment for each such service including CCSAC signaling connections.

(N)

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7. Special Access Service (Cont'd)

4.4 Rate Regulations (Cont'd)

4.4.6 Shared Use High Capacity Services and OC-3, OC-12, and OC-48 Services (Cont'd)

(N)

Switched Access Service rates and charges as set forth in 3.6 preceding will apply for each channel of the shared use facility that is used to provide a Switched Access Service including CCSAC signaling connections. The ordering, provisioning and rating of Switched Access Shared Use facilities is set forth in 3.5.8 preceding. Where Special Access Service is provided utilizing a channel of the shared use facility to a Hub, High Capacity and OC Service rates and charges will apply for the facility to the Hub as set forth preceding and individual service rates and charges will apply from the Hub to the customer designated premises. The rates and charges that will apply to the portion from the Hub to the customer designated premises will be dependent on the specific type of Special Access Service that is provided. The applicable rates and charges will include a Channel Termination and Channel Mileage, if applicable. Rates and charges for optional features and functions associated with the service, if any, will apply as set forth in 4.5 following.

4.4.7 Payment Plans for, MercNET 45, 1.544 High Capacity Services and OC-3, OC-12, OC-48 Services, LAN Advantage Service and Wavelength Service.

The Optional Payment Plan (OPP) is a provision that allows a customer to pay a fixed rate for specific, MercNET 45, 1.544 High Capacity Service, OC-3/STM-1, OC-12/STM-4, OC-48/STM-16, OC-192/STM-64 Services, Ethernet Services and Wavelength Service Over a specified month payment period. OPP options are 12, 24, 36, 48, 60, and 84 months for DS1, DS3, OCN Point-to-Point OCN Dedicated Ring Services, Wavelength Service and Ethernet Service. During the effective term, monthly rates for services installed under this arrangement will not be subject to Company initiated rate changes. (N)

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ACCESS SERVICE

4. Special Access Service (Cont'd)

4.4 Rate Regulations (Cont'd)

4.4.7 Payment Plans for, MercNET 45, 1.544 High Capacity Service and OC-3, OC-12, and OC-48 Services, Shared SONET Service Ethernet Services and Wavelength Service. (Cont'd)

(N)

Customers subscribing to the OPP will be subject to nonrecurring charges for installation and rearrangements of services covered by the plan. The nonrecurring charges will not be spread over the OPP term.

During a customer's OPP/DCP term, the customer shall pay current rates provided they do not exceed the original rate contracted for by the customer. Conversion of service may be made to a new OPP/DCP term of the same or different length or to a higher speed service or to the same or higher speed Shared SONET service. If the expiration date for the new service or OPP/DCP term is beyond the end of the original OPP/DCP term, the remaining OPP/DCP charges for the original term will not apply.

At the expiration of the OPP term and if the customer wishes to continue MercNET 45, 1.544 High Capacity Service, and OC-3, OC-12, OC-48 Services, Ethernet Services and Wavelength Service, the customer may elect:

- Prevailing month-to-month tariff rates
- A new OPP at the prevailing OPP rate, if available

The customer continues to receive the OPP rate on a month-to-month basis for a period of up to six months following the completion of the term. After the six months, the rates will automatically revert to the month-to-month rates.

During an OPP term, a customer may move one Channel Termination service to another location while keeping the OPP in force, provided the customer and customer's end user remain the same and no lapse in service occurs.

The Minimum Period for service provided under an OPP is the same as the OPP term selected by the customer (i.e. 36 or 60 month payment period). The Minimum Period for service provided under the month-to-month payment arrangement is 36 months for OC-3, OC-12, and OC-48 Dedicated Ring Services, 12 months for 1.544 High Capacity Service, MercNET 45 Service, OC-3, OC-12, and OC-48 Point-to-Point Services, Ethernet Services and Wavelength Service.

(N)

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4. Special Access Service (Cont'd)

4.4 Rate Regulations (Cont'd)

4.4.7 Payment Plans for
MercNET 45, 1.544 High Capacity Service and OC-3, OC-12, OC-48
Services, Ethernet Services
And Wavelength Service (Cont'd)

(N)

Customers requesting termination of service prior to the expiration date of the Minimum Period will be liable for payment of a Minimum Period Charge. The Minimum Period Charge applies to all features associated with a service. The Minimum Period Charge for all OPP terms will be calculated as follows:

- Customers with a 12 month OPP would pay a charge equal to the total of the remaining months of the OPP contract. The Termination rate calculation is:

[12 months - months in service] X 12 month OPP monthly rate.

- Customers with a 36 month OPP would pay a charge equal to the total of the remaining months of the OPP contract. The Termination rate calculation is:

[36 months - months in service] X 36 month OPP monthly rate.

- Customers with a 60 month OPP would pay a charge equal to the total of the remaining months of the OPP contract. The Termination rate calculation is:

[60 months - months in service] X 60 month OPP monthly rate.

(N)

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4. Special Access Service (Cont'd)

4.4 Rate Regulations (Cont'd)

4.4.8 Discount Commitment Program (DCP)

(N)

(A) General Description

The Discount Commitment Program (DCP) provides the customer with rate stabilization and discounted rates for 1.544 High Capacity Service, MercNET 45 Service, OCn Services, Wavelength Service and Ethernet Services. The customer agrees to a minimum service commitment per service when establishing a DCP. The rate elements by service are:

1.544 High Capacity Service, MercNET 45 Service;
Channel Termination Channel Mileage, Multiplexing
OCn Point-to-Point Service;
Channel Termination Channel Mileage, Add drop Multiplexing
OCn Dedicated Ring Service;
Ports, Nodes, Channel Mileage, Add/Drop Multiplexing,
Regenerators
Wavelength Service, Ethernet Service; Ports

Customers may disconnect or move Channel Terminations, Multiplexing, Nodes or Ports and not be subject to Maximum Termination Liability charges as long as commitment Levels are maintained.

DCPs may be established by service and be of either 12, 24 36, 48, 60, and 84 months duration for 1.544 High Capacity, OCN Point-to-Point, OCN Dedicated Ring. Wavelength and Ethernet Services. A customer may have only one DCP per service in effect at one time. For example, a customer that has a 36-month DCP for DS1 Service may not establish a second DS1 Service until the current DCP expires.

Monthly rates for services installed under a DCP will change as Telephone Company-initiated rate changes become effective but during the DCP term will not exceed the original monthly rate in effect at the beginning of customer's DCP term.

(N)

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4. Special Access Service (Cont'd)

4.4 Rate Regulations (Cont'd)

4.4.8 Discount Commitment Program (DCP) (Cont'd)

(N)

(A) General Description (Cont'd)

During the term of the selected DCP, Telephone Company-initiated rate changes (increases or decreases) will automatically be applied to the monthly rates for the remaining months of the current DCP term. But in no case will any rate change cause the monthly rate during the DCP term to exceed that in effect at the beginning of the customer's DCP term.

(B) Commitment Level

A customer establishes a DCP term by committing 90 percent of their in-service Circuits (CKTS) by service during the term.

The customer will not receive the DCP rates for in-service levels above the 90 percent commitment level established. For example, a customer with 100 CKTSs in-service and commits to 90 CKTS (i.e. 90 percent) will receive the DCP rates for up to 90 CKTS.

If a customer's actual in-service level falls below the commitment level, the customer will be billed for the commitment level of CKTS at DCP rates. For example, a customer that commits 90 CKTS but has only 70 CKTS in service will be billed the DCP rates for 90 CKTS.

(C) 90-Day Review Period

No adjustments, for being below commitment level (as described in (B) above), in monthly billing for a DCP will be made until 90 days after Company notification to the customer that the commitment level has been exceeded or not been met. This will insure that customers will not be penalized for aberrations in Channel Termination, Network Access Connection or Off-Network Access Connection counts caused by timing differentials in disconnection and installation.

(N)

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4. Special Access Service (Cont'd)

4.4 Rate Regulations (Cont'd)

4.4.8 Discount Commitment Program (DCP) (Cont'd)

(N)

(C) 90-Day Review Period (Cont'd)

Customers' bills will not be adjusted for being outside the parameters described in 4.4.8(B), preceding during the 90 day review period. Additionally, customers will continue to be billed the adjustments (following the 90 day review period) for being outside the described parameters until the commitment level is met or increased. A new 90-day review period will be initiated if the customer's actual in-service level subsequently falls outside the described parameters.

(D) Increasing the DCP Commitment Level

Customers may increase their commitment level at any time by notifying the Company in writing. An increase in the commitment level will not change the expiration date of the DCP.

When a commitment level is increased, the actual in-service CKT level at the time of the increase will be used to calculate billing adjustments as described in Section 4.4.8(B), preceding.

(E) Decreasing the DCP Commitment Level and Termination Liabilities

Customers may decrease their commitment level only by paying termination liability charges on the number of Channel Terminations, by which the commitment level is decreased. Termination Liabilities will apply to 1.544 High Capacity, MercNET 45 and. For example, a customer has a commitment level of 90 CKTS. The customer then decreases this commitment level to 70 CKTS. The customer must pay termination liabilities on 20 CKTS.

The Termination Liability for DCP is calculated to be the dollar difference between the current DCP rate for the DCP term that could have been completed during the time the service was actually in service, or the monthly rate for services in service, or the monthly rate for services in place less than 36 months, and the customer's current DCP rate for each month the service was provided.

(N)

ACCESS SERVICE

4. Special Access Service (Cont'd)

4.4 Rate Regulations (Cont'd)

4.4.8 Discount Commitment Program (DCP) (Cont'd)

(N)

(E) Decreasing the DCP Commitment Level and Termination Liabilities (Cont'd)

For example, a customer subscribing to a 60-month DCP term reduced their CKTS commitment by 20 CKTS during the 37th month. This customer's termination charge would be:

$$20 \text{ CKTS} \times (36 \text{ month DCP rate} - 60 \text{ month DCP rate}) \times 37 \text{ months} = \text{Termination Charge}$$

A decrease in the commitment level will not change the expiration date of the DCP.

(F) Upgrading a DCP Service

When a customer upgrades a Dsl service being billed DCP rates to a DS3 High Capacity, the DS1 DCP commitment level will be reduced at the customer's request (up to a maximum of 24) and no termination liabilities will apply. If the customer has a DCP for a 1.544 High Capacity, the 1.544 High Capacity DCP commitment level will be increased if the customer requests that it be increased. When a customer upgrades a 1.544 High Capacity service being billed DCP rates to a MercNET 45 service the customer's 1.544 High Capacity DCP commitment level will be reduced at the customer's request (up to a maximum of 28) and no termination liabilities will apply.

(G) Conversion to an Optional Payment Plan (OPP)

Customers may convert services from a DCP term to an OPP as described in 4.4.7, preceding. No termination liabilities will apply to services converted to an OPP term of the same or longer length than the DCP term. Additionally, the customer's DCP commitment level will be reduced by the number of CKTS associated with the service, converted to an OPP term.

(N)

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ACCESS SERVICE

4. Special Access Service (Cont'd)

4.5 Rate and Charges (Cont'd)

4.5.1 High Capacity Service*

	USOC	Monthly Rates	Nonrecurring Charges					
			12 MOS.	24 Mos.	36 MOS.	48 MOS.	60 MOS.	84 MOS.
(A) Channel Termination								
	USOC	MONTHLY	12 MOS.	24 Mos.	36 MOS.	48 MOS.	60 MOS.	84 MOS.
- 1.544 Mbps (MercNet 1.5)	TZGA1	\$ 145.00	145.00 (N)	137.00 (N)	129.00 (N)	125.60 (N)	122.21 (N)	110.00 (N)
- MercNET 45 Chan. Term.	TZGB1	750.00	750.00 (N)	725.00 (N)	700.00 (N)	677.00 (N)	654.00 (N)	600.00 (N)

(B) Mileage

	Monthly	12 Mos.	24 Mos.	36 Mos.	48 Mos.	60 Mos.	84 Mos.
	<u>Fixed</u>						
1YBA1	\$110.00	\$110.00 (N)	\$ 97.75 (N)	\$ 85.50 (N)	\$ 83.25 (N)	\$ 81.00 (N)	\$ 73.00 (N)
	<u>Per Mile</u>						
	\$ 6.72	6.72 (N)	5.61 (N)	4.58 (N)	4.47 (N)	4.35 (N)	3.92 (N)
	<u>Per Mile</u>						
	<u>Monthly</u>	<u>12 Mos.</u>	<u>24 Mos.</u>	<u>36 Mos.</u>	<u>48 Mos.</u>	<u>60 Mos.</u>	<u>84 Mos.</u>
Long Haul Over 40 Miles	ZZYDE \$ 6.72 (N)	\$ 6.72 (N)	\$ 5.61 (N)	\$ 4.58 (N)	\$ 4.47 (N)	\$ 4.35 (N)	\$ 3.92 (N)

* One Year Minimum on all features and functions

* Where available.

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ACCESS SERVICE

4. Special Access Service (Cont'd)

4.5 Rate and Charges (Cont'd)

4.5.1 High Capacity Service*

(N)

(C) Optional Features and Functions

(1) Multiplexing

DS3 to DS1
 - Per arrangement

QM3X1	\$ 615.36	NONE
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(2) Cross-Connection to ILEC Facilities

- DS1	CX1CX	10.00	NONE
- DS3	CX3CX	12.00	NONE

(3) Digital Facility Cross-Connection

Per DS1	DXZ01	10.57	None
Per DS3	DXZ03	60.78	None

(N)

* Where available.
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ACCESS SERVICE

4. Special Access Service (Cont'd)

4.5 Rates and Charges (Cont'd)

4.5.2 OC-3 Service, OC-12 Service, OC-48 and OC-192 Service Point-to-Point Services

(N)

(A) OC-3 Service*

Recurring Charges
Optional Payment Plan

(1) Channel Termination - Per Point of Termination
 Terminating Bit Rate 155.52 Mbps (DS1, DS3 Drops)

	<u>USOC</u>	<u>Monthly</u>	<u>12 Mo.</u>	<u>24 Mo.</u>	<u>36 Mo.</u>	<u>48 Mo.</u>	<u>60 Mo.</u>	<u>84 Mo.</u>
TMECS		\$1,430.00	\$1,430.00	\$1,365.00	\$1,300.00	\$1,240.00	\$1,180.00	\$1,065.00

(2) Channel Mileage

- Fixed	1L5XX	400.00	400.00	390.00	380.00	370.00	\$360.00	340.00
- Per mile at								
155.52 Mbps	1L5XX	150.00	150.00	138.00	125.00	113.00	100.00	90.00
- Long Haul Per Mile								
40+ at 155.52 Mbps								
	ZZYDG	78.00	78.00	76.05	74.10	72.15	70.20	66.69

(3) Optional Features
 and Functions

(a) OC-3/STM-Add/Drop
 Multiplexing
 Per Arrangement

MXRCX	1,050.00	1,050.00	1,023.00	995.00	988.00	980.00	960.00
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(b) Add/Drop Function

Per GigE	MXJJX	1,100.00	1,100.00	1,050.00	1,000.00	950.00	900.00	830.00
Per 100mg	MXJKX	250.00	250.00	238.00	225.00	213.00	200.00	180.00
Per 10mg	MXJLX	80.00	80.00	78.00	75.00	73.00	70.00	65.00
Per OC-3/STM-1	MXJCX	200.00	200.00	175.00	150.00	143.00	135.00	125.00
Per DS3	MXJBX	80.00	80.00	78.00	75.00	73.00	70.00	65.00
Per DS1	MXJAX	50.00	50.00	48.00	45.00	43.00	40.00	45.00

* One Year Minimum on all features and functions

(N)

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ACCESS SERVICE

4. Special Access Service (Cont'd)

4.5 Rates and Charges (Cont'd)

4.5.2 OC-3 Service, OC-12 Service, OC-48, and OC-192 Service
- Point-to-Point Services (Cont'd)

(N)

(A) OC-3 Service (Cont'd)*

	<u>USOC</u>	<u>Monthly</u>	<u>12 Mo.</u>	<u>24 Mo.</u>	<u>36 Mo.</u>	<u>48 Mo.</u>	<u>60 Mo.</u>	<u>84 Mo.</u>
(c) ISP Connection	LVP	100.00	100.00	100.00	100.00	100.00	100.00	100.00
(d) Private Virtual Circuit/VLAN	PVCAX	40.00	40.00	40.00	40.00	40.00	40.00	40.00
(e) OC-3 to DS1 Multiplexing	MLX11	1,800.00						
(f) Cross-Connection of Services OC-3/STM-1 to OC-3/STM-1 Cross-Connect Per Circuit	OCCCX	\$100.00	100.00	100.00	100.00	100.00	100.00	100.00
(g) 1+1 Protection with Route Survivability								
- Per Quarter Route Mile	S2DXY	20.00	20.00	20.00	20.00	20.00	20.00	20.00
(e) 1+1 Protection with Central Office Survivability								
- Per Quarter Route Mile	S2VXY	20.00	20.00	20.00	20.00	20.00	20.00	20.00
- Channel Mileage Fixed and Per Mile				Apply Rates and Charges As 4.5.2 (A) Preceding				

(N)

* One Year Minimum on all features and functions

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4. Special Access Service (Cont'd)

4.5 Rates and Charges (Cont'd)

4.5.2 OC-3 Service, OC-12 Service, OC-48, and OC-192 Service
Point-to-Point Services (Cont'd)

(N)

(B) OC-12 Service*

Recurring Charges
Optional Payment Plan

(1) Channel Termination - Per Point of Termination
 Terminating Bit Rate 622.08 Mbps (DS1, DS3, OC-3/STM-1 Drops)

<u>USOC</u>	<u>Monthly</u>	<u>12 Mo.</u>	<u>24 Mo.</u>	<u>36 Mo.</u>	<u>48 Mo.</u>	<u>60 Mo.</u>	<u>84 Mo.</u>
TMECS	\$2,900.00	\$2,900.00	\$2,750.00	\$2,600.00	\$2,523.00	\$2,445.00	\$2,250.00

<u>USOC</u>	<u>Monthly</u>	<u>12 Mo.</u>	<u>24 Mo.</u>	<u>36 Mo.</u>	<u>48 Mo.</u>	<u>60 Mo.</u>	<u>84 Mo.</u>
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(2) Channel Mileage								
- Fixed	1L5XX	\$600.00	\$600.00	\$575.00	\$550.00	\$525.00	\$500.00	\$475.00
- Per mile at								
622.08 Mbps	1L5XX	150.00	150.00	138.00	125.00	113.00	100.00	90.00

(3) Optional Features
 and Functions

<u>USOC</u>	<u>Monthly</u>	<u>12 Mo.</u>	<u>24 Mo.</u>	<u>36 Mo.</u>	<u>48 Mo.</u>	<u>60 Mo.</u>	<u>84 Mo.</u>
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(a) OC-12/STM-Add/Drop Multiplexing Per Arrangement							
MXRDX	2,460.00	2,460.00	2,275.00	2,092.00	1,906.00	1,720.00	1,590.00

(b) Add/Drop Function

Per GigE	MXJJX	1,100.00	1,100.00	1,050.00	1,000.00	950.00	900.00	830.00
Per 100mg	MXJKX	250.00	250.00	238.00	225.00	213.00	200.00	185.00
Per 10mg	MXJLX	80.00	80.00	78.00	75.00	73.00	70.00	65.00
Per OC-12/STM-4								
	MXJEX	500.00	500.00	475.00	450.00	428.00	405.00	375.00
Per OC-3/STM-1								
	MXJCX	200.00	200.00	175.00	150.00	143.00	135.00	125.00
Per DS3	MXJBX	80.00	80.00	78.00	75.00	73.00	70.00	65.00

- Long Haul Per Mile

40+ Miles at 622.08 Mbps								
	ZZYDH	138.00	138.00	134.55	131.10	127.65	124.20	117.99

(N)

* One Year Minimum on all features and functions
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4. Special Access Service (Cont'd)

4.5 Rates and Charges (Cont'd)

4.5.2. OC-3 Service, OC-12 Service, OC-48, and OC-192 Service
- Point-to-Point Services (Cont'd)

(N)

(B) OC-12 Service (Cont'd)*

(3) Optional Features and Functions(Cont'd)

(c) ISP Connection LVP	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
(d) Private Virtual Circuit/VLAN PVCAX	40.00	40.00	40.00	40.00	40.00	40.00	40.00	40.00
(e) Cross-Connection of Services OC-12/STM-4 to OC-12/STM-4 Cross-Connect								
Per Circuit OCCDX	\$100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
(f) 1+1 Protection with Route Survivability - Per Quarter								
Route Mile S2DXY	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
(g) 1+1 Protection with Central Office Survivability - Per Quarter								
Route Mile S2VXY	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
- Channel Mileage Fixed and Per Mile								

Apply Rates and Charges
 As 4.5.2 (B) Preceding

(4) Optical to Electrical DS1 Add/Drop Capability

Per OC-3/STM-1 to DS1 Add/Drop

USOC	Monthly	12 Mo.	24 Mo.	36 Mo.	48 Mo.	60 Mo.	84 Mo.
MXJDX	1,200.00	1,200.00	1,175.00	1,150.00	1,125.00	1,100.00	1,010.00

DS-1 Port at OC-12/STM-4 Node

MXJAX	50.00	50.00	48.00	45.00	43.00	40.00	35.00
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(N)

* One Year Minimum on all features and functions

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4. Special Access Service (Cont'd)

4.5 Rates and Charges (Cont'd)

4.5.2 OC-3 Service, OC-12 Service, OC-48, and OC-192 Service
- Point-to-Point Services (Cont'd)

(N)

(C) OC-48 Service*

Recurring Charges
Optional Payment Plan

USOC	Monthly	12 Mo.	24 Mo.	36 Mo.	48 Mo.	60 Mo.	84 Mo.
TMECZ	\$6,500.00	\$6,500.00	\$6,000.00	\$5,500.00	\$5,000.00	\$4,500.00	\$4,150.00
(2) Channel Mileage							
- Fixed							
1L5XX	\$1,200.00	\$1,200.00	\$1,150.00	\$1,100.00	\$1,050.00	\$1,000.00	\$920.00
- Per mile at 2488.32 Mbps							
1L5XX	150.00	150.00	138.00	125.00	113.00	100.00	90.00
- Long Haul Per Mile							
40+ Miles at 2488.32 Mbps							
ZZYDJ	255.10	255.10	248.73	242.35	235.97	229.59	218.11

(3) Optional Features and Functions

(a) OC-48 Add/Drop Multiplexing
 - Per Arrangement
 (not to exceed 12 DS3s or equivalent)

USOC	Monthly	12 Mo.	24 Mo.	36 Mo.	48 Mo.	60 Mo.	84 Mo.
MXCZX	\$3,900.00	\$3,900.00	\$3,650.00	\$3,400.00	\$3,160.00	\$2,920.00	\$2,700.00

	USOC	Monthly	12 Mo.	24 Mo.	36 Mo.	48 Mo.	60 Mo.	84 Mo.
(b) Add/Drop Function								
Per GigE	MXJJX	1,100.00	1,100.00	1,050.00	1,000.00	950.00	900.00	830.00
Per 100mg	MXJKX	250.00	250.00	238.00	225.00	213.00	200.00	185.00
Per 10mg	MXJLX	80.00	80.00	78.00	75.00	73.00	70.00	65.00
Per OC-48/STM16	MXJfX	1,000.00	1,000.00	975.00	950.00	925.00	900.00	830.00
Per OC-12/STM-4	MXJEX	500.00	500.00	475.00	450.00	428.00	405.00	375.00
Per OC-3/STM-1	MXJCX	200.00	200.00	175.00	150.00	143.00	135.00	125.00
Per DS3	MXJBX	80.00	80.00	78.00	75.00	73.00	70.00	65.00

(N)

* One Year Minimum on all features and functions

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ACCESS SERVICE

4. Special Access Service (Cont'd)
 4.5 Rates and Charges (Cont'd)

4.5.2 OC-3 Service, OC-12 Service, OC-48 and OC-192 Service
- Point-to-Point Services (Cont'd)

(N)

(C) OC-48 Service (Cont'd)*

(3) Optional Features and Functions(Cont'd)

	USOC	Monthly	12 Mo.	24 Mo.	36 Mo.	48 Mo.	60 Mo.	84 Mo.
(c) ISP Connection LVP		100.00	100.00	100.00	100.00	100.00	100.00	100.00
(d) Private Virtual Circuit/VLAN PVCA		40.00	40.00	40.00	40.00	40.00	40.00	40.00
(e) Cross-Connection of Services OC-48/STM-16 to OC-48/STM-16 Cross-Connect								
Per Circuit OCCFX		\$100.00	100.00	100.00	100.00	100.00	100.00	100.00
(f) 1+1 Protection with Route Survivability								
- Per Quarter Route Mile S2DXY		20.00	20.00	20.00	20.00	20.00	20.00	20.00
(e) 1+1 Protection with Central Office Survivability								
- Per Quarter Route Mile S2VXY		20.00	20.00	20.00	20.00	20.00	20.00	20.00
- Channel Mileage Fixed and Per Mile								
						Apply Rates and Charges As 4.5.2 (C) Preceding		
(f) Point-to-Point OC-48/STM-16 Regenerator								
- Each (as required)								
	USOC	Monthly	12 Mo.	24 Mo.	36 Mo.	48 Mo.	60 Mo.	84 Mo.
	RGY4B	2,900.00	2,900.00	2,900.00	2,900.00	2,900.00	2,900.00	2,900.00

(4) Optical to Electrical DS1 Add/Drop Capability

Per OC-3/STM-1 to DS1 Add/Drop

	USOC	Monthly	12 Mo.	24 Mo.	36 Mo.	48 Mo.	60 Mo.	84 Mo.
	MXJDX	1,200.00	1,200.00	1,175.00	1,150.00	1,125.00	1,100.00	1,010.00

	USOC	Monthly	12 Mo.	24 Mo.	36 Mo.	48 Mo.	60 Mo.	84 Mo.
DS-1 Port at OC-12/STM-4 Node	MXJAX	50.00	50.00	48.00	45.00	43.00	40.00	35.00

(N)

* One Year Minimum on all features and functions

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4. Special Access Service (Cont'd)

4.5 Rates and Charges (Cont'd)

4.5.2 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service
- Point-to-Point Services (Cont'd)

(N)

(D) OC-192 Service

Recurring Charges
Optional Payment Plan

(1) Channel Termination - Per Point of Termination
Terminating Bit Rate 9953.28 Mbps

USOC	Monthly	12 Mo.	24 Mo.	36 Mo.	48 Mo.	60 Mo.	84 Mo.
TMECS	\$13,000.00	\$13,000.00	\$12,000.00	\$11,000.00	\$10,000.00	\$9,000.00	8,300.00

(2) Channel Mileage

	USOC	Monthly	12 Mo.	24 Mo.	36 Mo.	48 Mo.	60 Mo.	84 Mo.
- Fixed	1L5XX	\$2,400.00	\$2,400.00	\$2,300.00	\$2,200.00	\$2,100.00	\$2,000.00	\$1,950.00
- Per mile at 9953.28.32 Mbps	1L5XX	150.00	150.00	138.00	125.00	113.00	100.00	90.00
- Long Haul Per Mile 40+ Miles at 9953.28 Mbps	ZZYDJ	500.00	500.00	475.00	450.00	425.00	400.00	380.00

(3) Optional Features
 and Functions

(a) Multiplexing

MXRGX	\$7,800.00	\$7,800.00	\$7,300.00	\$6,800.00	\$6,320.00	\$5,840.00	\$5,380.00
-------	------------	------------	------------	------------	------------	------------	------------

	USOC	Monthly	12 Mo.	24 Mo.	36 Mo.	48 Mo.	60 Mo.	84 Mo.
(b) Add/Drop Function								
Per GigE	MXJJX	1,100.00	1,100.00	1,050.00	1,000.00	950.00	900.00	830.00
Per 100mg	MXJKX	250.00	250.00	238.00	225.00	213.00	200.00	185.00
Per 10mg	MXJLX	80.00	80.00	78.00	75.00	73.00	70.00	65.00
Per OC192/STM64	MXJ9X	2,000.00	2,000.00	1,950.00	1,900.00	1,850.00	1,800.00	1,675.00
Per OC-48/STM16	MXJFX	1,000.00	1,000.00	975.00	950.00	925.00	900.00	830.00
Per OC-12/STM-4	MXJEX	500.00	500.00	475.00	450.00	428.00	405.00	375.00
Per OC-3/STM-1	MXJCX	200.00	200.00	175.00	150.00	143.00	135.00	125.00
Per DS3	MXJBX	80.00	80.00	78.00	75.00	73.00	70.00	65.00

(N)

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4. Special Access Service (Cont'd)

4.5 Rates and Charges (Cont'd)

4.5.2 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service
- Point-to-Point Services (Cont'd)

(N)

(C) OC-192 Service (Cont'd)

(3) Optional Features and Functions (Cont'd)

	<u>USOC</u>	<u>Monthly</u>	<u>12 Mo.</u>	<u>24 Mo.</u>	<u>36 Mo.</u>	<u>48 Mo.</u>	<u>60 Mo.</u>	<u>84 Mo.</u>
(c) ISP Connection	LVP	100.00	100.00	100.00	100.00	100.00	100.00	100.00
(d) Private Virtual Circuit/VLAN	PVCAX	40.00	40.00	40.00	40.00	40.00	40.00	40.00
(e) 1+1 Protection with Route Survivability - Per Quarter								
Route Mile	S2DXY	20.00	20.00	20.00	20.00	20.00	20.00	20.00
(f) 1+1 Protection with Central Office Survivability - Per Quarter								
Route Mile	S2VXY	20.00	20.00	20.00	20.00	20.00	20.00	20.00
- Channel Mileage Fixed and Per Mile								
		Apply Rates and Charges As 4.5.2 (D) Preceding						
(g) Point-to-Point OC-48/STM-16 Regenerator - Each (as required)								
	<u>USOC</u>	<u>Monthly</u>	<u>12 Mo.</u>	<u>24 Mo.</u>	<u>36 Mo.</u>	<u>48 Mo.</u>	<u>60 Mo.</u>	<u>84 Mo.</u>
	RGY92	5,800.00	5,800.00	5,800.00	5,800.00	5,800.00	5,800.00	5,800.00
(h) Cross-Connect OC-192/STM-64 - OC-192/STM-64								
	OCCGX	\$100.00	100.00	100.00	100.00	100.00	100.00	100.00
(4) Optical to Electrical DS1 Add/Drop Capability								
Per OC-3/STM-1 to DS1 Add/Drop								
	MXJDX	1,200.00	1,200.00	1,175.00	1,150.00	1,125.00	1,100.00	1,001.00
DS-1 Port at OC-48/STM-16 Node								
	MXJAX	50.00	50.00	48.00	45.00	43.00	40.00	35.00

(N)

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4. Special Access Service (Cont'd)

4.5 Rates and Charges (Cont'd)

4.5.3 OC-3 Service, OC-12 Service, OC-48 Service, and OC-192 Service
- Dedicated Ring*

(N)

(A) Node - Per Node Type

USOC	Monthly	12 Mo.	24 Mo.	36Mo.	48 Mo.	60 Mo.	84 Mo.
Per Node type							
OC-3/STM-1							
Customer Premises							
FP5CX	\$ 1,820.00	\$ 1,820.00	\$ 1,610.00	\$ 1,400.00	\$ 1,300.00	\$ 1,200.00	1,100.00
Central Office							
FC5CX	1,300.00	1,300.00	1,200.00	1,000.00	950.00	900.00	830.00
OC-12/STM-4							
Customer Premises							
FP5DX	2,990.00	2,990.00	2,645.00	2,300.00	2,150.00	2,000.00	1,850.00
Central Office							
FC5DX	2,340.00	2,340.00	2,070.00	1,800.00	1,650.00	1,500.00	1,380.00
OC-48/STM-16							
Customer Premises							
FP5	6,825.00	6,825.00	6,040.00	5,250.00	4,875.00	4,500.00	4,150.00
Central Office							
FC5	5,200.00	5,200.00	4,600.00	4,000.00	3,625.00	3,250.00	3,000.00
OC-192/STM-64							
Customer Premises							
GP5AX	13,650.00	13,650.00	12,075.00	10,500.00	9,750.00	9,000.00	8,280.00
Central Office							
GC5AX	10,400.00	10,400.00	9,200.00	8,000.00	7,250.00	6,500.00	5,980.00 (N)

* One Year Minimum on all features and functions

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4. Special Access Service (Cont'd)

4.5. Rates and Charges (Cont'd)

4.5.3 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service
 - Dedicated Ring (Cont'd)*

		(C) Ports (cont'd)							
	USOC	Monthly	12 Mo.	24 Mo.	36 Mo.	48 Mo.	60 Mo.	84 Mo.	(N)
Per Node									
DS1 at OC-3/STM-1 Node									
SPRAX	\$	59.00	\$ 59.00	\$ 52.00	\$ 45.00	\$ 43.00	\$ 40.00	\$ 35.00	
DS3 at OC-3/STM-1 Node									
SPRBX		98.00	98.00	87.00	75.00	73.00	70.00	65.00	
OC-3/STM-1 at OC-3/STM-1 Node									
SPRDY		195.00	195.00	173.00	150.00	143.00	135.00	125.00	
10mg at OC-3/STM-1 Node									
SPRNX		98.00	98.00	87.00	75.00	73.00	70.00	65.00	
100mg at OC-3/STM-1 Node									
SPROX		293.00	293.00	259.00	225.00	213.00	200.00	180.00	
GigE at OC-3/STM-1 Node									
SPRPX		1,300.00	1,300.00	1,150.00	1,000.00	950.00	900.00	830.00	
DS3 at OC-12/STM-4 Node									
SPRCX		98.00	98.00	87.00	75.00	73.00	70.00	65.00	
OC-3/STM-1 at OC-12/STM-4 Node									
SPREX		195.00	195.00	173.00	150.00	143.00	135.00	125.00	
DS1 at OC-12/STM-4 Node**									
SPRGX		59.00	59.00	52.00	45.00	43.00	40.00	35.00	
OC-12/STM-4 at OC-12/STM-4 Nd									
SPRFX		585.00	585.00	518.00	450.00	428.00	405.00	375.00	
10mg at OC-12/STM-4 Node									
SPRRX		98.00	98.00	87.00	75.00	73.00	70.00	65.00	
100mg at OC-12/STM-4 Node									
SPRSX		293.00	293.00	259.00	225.00	213.00	200.00	180.00	
GigE at OC-12/STM-4 Node									
SPRPX		1,300.00	1,300.00	1,150.00	1,000.00	950.00	900.00	830.00	
OC-12/STM-4 at OC-48/STM-16 Nd									
SPRHX		585.00	585.00	518.00	450.00	428.00	405.00	375.00	
OC-3/STM-1 at OC-48/STM-16 Nd									
SPRJX		195.00	195.00	173.00	150.00	150.00	135.00	125.00	
DS3 at OC-48/STM-16 Node									
SPRKX		98.00	98.00	87.00	75.00	73.00	70.00	65.00	
DS1 at OC-48/STM-16 Node**									
SPRLX		59.00	59.00	52.00	45.00	43.00	40.00	35.00	
OC-48/STM-16 at OC-48/STM-16									
SPRMX		1,235.00	1,235.00	1,092.00	950.00	925.00	900.00	830.00	
10mg at OC-48/STM-16 Node									
SPRVX		98.00	98.00	87.00	75.00	73.00	70.00	65.00	
100mg at OC-48/STM-16 Node									
SPRWX		293.00	293.00	259.00	225.00	213.00	200.00	180.00	
GigE at OC-48/STM-16 Node									
SPRPX		1,300.00	1,300.00	1,150.00	1,000.00	950.00	900.00	830.00	

* One Year Minimum on all features and functions

(N)

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4. Special Access Service (Cont'd)

4.5. Rates and Charges (Cont'd)

4.5.3 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service
- Dedicated Ring (Cont'd)* (N)
 (C) Ports (cont'd)

USOC Per Node	Monthly	12 Mo.	24 Mo.	36 Mo.	48 Mo.	60 Mo.	84 Mo.
OC-3/STM-1 at OC-192/STM-64 Nd S9NEX	195.00	195.00	173.00	150.00	143.00	135.00	125.00
OC-12/STM-4 at OC-192/STM-64 S9NGX	585.00	585.00	518.00	450.00	428.00	405.00	375.00
OC-48/STM-16 at OC-192/STM-64 S9NJX	1,235.00	1,235.00	1,092.00	950.00	925.00	900.00	830.00
OC-192/STM-64 at OC-192/STM-64 SPR9X	2,470.00	2,470.00	2,185.00	1,900.00	1,850.00	1,800.00	1,660.00
DS3 at OC-192/STM-64 Node SPRXX	98.00	98.00	87.00	75.00	73.00	70.00	65.00
DS1 at OC-192/STM-64 Node SPR1X	59.00	59.00	52.00	45.00	43.00	40.00	35.00
10mg at OC-192/STM-64 Node SPRVX	98.00	98.00	87.00	75.00	73.00	70.00	65.00
100mg at OC-192/STM-64 Node SPRWX	293.00	293.00	259.00	225.00	213.00	200.00	180.00
GigE at OC-192/STM-64 Node SPRPX	1,300.00	1,300.00	1,150.00	1,000.00	950.00	900.00	830.00
ISP Connection LVP	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Private Virtual Circuit/VLAN PVCAX	52.00	52.00	46.00	40.00	40.00	40.00	40.00
(D) Mileage							
Per mile between nodes by ring type							
OC-3/STM-1 1A5BS	260.00	260.00	230.00	150.00	175.00	150.00	140.00
OC-12/STM-4 1A5BS	260.00	260.00	230.00	200.00	175.00	150.00	140.00
OC-48/STM-16 1A5BS	260.00	260.00	230.00	200.00	175.00	150.00	140.00
OC-192/STM-64 1A5BS	260.00	260.00	230.00	200.00	175.00	150.00	140.00

* One Year Minimum on all features and functions.

(N)

** Optical to Electrical DS1 add/drop capability as shown in 4.5.2 is needed along with an OC-3 port. (Not available with OC-192 Dedicated Ring Service)

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4. Special Access Service (Cont'd)

4.5 Rates and Charges (Cont'd)

4.5.3 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service
- Dedicated Ring (Cont'd)*

(N)

	<u>USOC</u>	<u>Monthly</u>	<u>12 Mo.</u>	<u>24Mo.</u>	<u>36 Mo.</u>	<u>48 Mo.</u>	<u>60. Mo.</u>	<u>84 Mo.</u>
(E) Optical to Electrical								
DS1 Add/Drop Capability								
Per OC-3/STM-1 to DS1 Add/Drop								
MXJDX		1,495.00	1,495.00	1,323.00	1,150.00	1,125.00	1,100.00	1,015.00
(F) Dedicated Ring								
Regenerator								
OC-3/STM-1								
Each (as required)								
RGY		\$1,300.00	1,300.00	1,200.00	1,000.00	950.00	900.00	830.00
OC-12/STM-4								
Each (as required)								
RGY		2,080.00	2,080.00	1,840.00	1,600.00	1,550.00	1,500.00	1,380.00
OC-48/STM-16								
Each (as required)								
RGY		3,640.00	3,640.00	3,220.00	2,800.00	2,750.00	2,700.00	2,485.00
OC-192/STM-64								
Each (as required)								
RGY		7,280.00	7,280.00	6,440.00	5,600.00	5,500.00	5,400.00	4,970.00

* One Year Minimum on all features and functions.

(N)

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ACCESS SERVICE

5. Cincinnati Bell Ethernet Service

5.1 Service Description

Cincinnati Bell Ethernet Service is an end-to-end high-speed data transport service which customers use for LAN interconnection and/or high-speed Internet access.

5.2 Service Provisioning

CBT will provide Cincinnati Bell Ethernet Service for one or more of the following types of Ethernet LANs operating at speeds of:

- CIR 1.544 Mbps with 1.5 Mbps Access (N)
- CIR 3 Mbps with 3 Mbps Access
- CIR 4.5 Mbps with 4.5 Mbps Access
- CIR 6 Mbps with 6 Mbps Access
- CIR 10 Mbps with 100 Mbps Access
- CIR 20 Mbps with 100 Mbps Access
- CIR 50 Mbps with 100 Mbps Access
- CIR 100 Mbps with 1 Gbps Access
- CIR 200 Mbps with 1 Gbps Access
- CIR 300 Mbps with 1 Gbps Access
- CIR 400 Mbps with 1 Gbps Access
- CIR 500 Mbps with 1 Gbps Access
- CIR 600 Mbps with 1 Gbps Access
- CIR 700 Mbps with 1 Gbps Access
- CIR 800 Mbps with 1 Gbps Access
- CIR 900 Mbps with 1 Gbps Access
- CIR 1 Gbps with 1 Gbps Access
- CIR 10 Gbps with 10 Gbps Access

Committed Information Rate (CIR) is the guaranteed bandwidth amount across the circuit.

The Quality of Service (QoS) optional feature enables the Customer to specify the level of delay, delay variation (jitter), bandwidth packet loss and availability.

Cincinnati Bell Ethernet Service will be available 24 hours per day, 7 days per week, except as required to update, enhance, maintain and/or repair Cincinnati Bell Ethernet Service. CBT reserves the right to perform these tasks, as needed, during off-peak hours, normally on Sundays from 12:00 a.m. to 6:00 a.m. (N)

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5. Cincinnati Bell Ethernet Service

5.2 Service Provisioning (Con't.)

(N)

At the request of Customer CBT will interconnect one or more additional LANs owned by Customer to the LANs interconnected pursuant to this Tariff so long as such additional LANs are of the same type as the LANs interconnected hereunder. (e.g., An Ethernet LAN may only be extended to another Ethernet LAN but may be at a different speed.)

The electrical signals of Cincinnati Bell Ethernet Service operate in compliance with the American National Standard Institute ("ANSI") or IEEE standards 802.3 and 802.3u (Carrier Sense Multiple Access with Collision Detection (SMA/CD) Access Method and Physical Layer Specifications).

Cincinnati Bell Ethernet Service supports the following interfaces: (i) for Ethernet LANs operating at speeds of 1.544 Mbps and Base T; and (ii) for Ethernet LAN's operating at a Native Mode of 1 Gbps or 10 Gbps, SX or LX Gigabit Interface Connectors.

(N)

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5. Cincinnati Bell Ethernet Service

(N)

5.2 Service Provisioning (Cont)

CBT will use its best efforts to repair any inoperable Cincinnati Bell Ethernet Service port within 4 hours after Customer has notified CBT that such port is inoperable. If such port remains inoperable for more than 8 hours after Customer has notified CBT that such port is inoperable, CBT will credit Customer's account for an amount equal to one-thirtieth (1/30) of the applicable monthly charge for such port. The same credit will apply for each additional 8-hour period that the port remains inoperable. The total amount of all credits for any one inoperable port will not exceed the monthly port charge for such inoperable port. The credit referred to herein shall be CBT's entire liability and Customer's exclusive remedy for any damages resulting from such inoperable port.

Without the prior written consent of CBT, Customer will not access, or attempt to access, any equipment or facilities furnished by CBT in connection with this Tariff. Customer will indemnify and hold harmless CBT, its officers, directors, employees and agents, from and against any loss or expense, of whatever nature, arising out of any unauthorized access to any equipment or facilities furnished by CBT in connection with this Tariff.

All equipment and facilities used by CBT in providing Cincinnati Bell Ethernet Service hereunder will remain the sole property of CBT, whether or not attached to or embedded in reality, unless otherwise agreed to in writing by the parties with respect to specific equipment.

Customer agrees that any technical, financial or business information of CBT furnished to Customer in connection with this Agreement is confidential and proprietary to CBT, shall remain the property of CBT at all times and shall be returned to CBT upon request.

(N)

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5. Cincinnati Bell Ethernet Service

(N)

5.3 Obligations of the Customer

CBT will not be responsible for damages, malfunctions or failures caused by (a) Customer's failure to follow any operation or maintenance instructions provided by CBT to Customer; (b) Customer's repair, modification to or relocation of equipment used to provide service hereunder, or attachment of equipment not approved by CBT; and (c) abuse, misuse or negligent acts of Customer. Customer may request CBT to perform repair service for Customer in such instances on a time-and-materials basis.

Customer will furnish, at its expense, such space, electrical power and environmental conditioning at Customer's premises as CBT may reasonably require in connection with performing its obligations hereunder. Customer will permit CBT reasonable access to Customer's premises, in accordance with Customer's normal security procedures, in connection with providing service hereunder.

Customer will provide, install and maintain, at its expense, all equipment and facilities necessary for LAN interconnection on the Customer's side of the Demarcation Point. Customer shall be responsible for insuring that the operating characteristics of such equipment and facilities are compatible with Cincinnati Bell Ethernet Service and conform to the Technical Reference Specifications furnished by CBT to Customer in connection with this Tariff.

Customer will cause its electrical signals at the Demarcation Point to conform to the applicable ANSI or IEEE standards set forth in Section 5, above. Any additional equipment or facilities necessary to comply with such standards shall be furnished by Customer at its expense.

Prior to requesting repair service from CBT, Customer will use its best efforts, including but not limited to performing reasonable diagnostic tests, to verify whether any trouble with The LAN Advantage service is a result of the Customer's equipment or facilities. Customer shall be responsible for any such trouble resulting from the Customer's equipment or facilities. Customer will cooperate with any joint testing of Cincinnati Bell Ethernet Service reasonably requested by CBT.

(N)

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5. Cincinnati Bell Ethernet Service

5.4 Rate Regulations

(N)

The rates and charges set forth for Cincinnati Bell Ethernet Service provide for the furnishing of service where suitable facilities are available. Where special construction of facilities is necessary, special construction charges may apply.

At locations where Customer provides power to CBT, CBT is not responsible for out of service conditions caused by power outages.

Customer shall pay CBT for Cincinnati Bell Ethernet Service at the applicable monthly rate for the type of Cincinnati Bell Ethernet Service, selected by the Customer, as indicated in Section 5.6. In addition, Customer shall pay to CBT the applicable per port nonrecurring charge set forth in Section 5.6.

If Customer cancels, in whole or in part, any requested addition, rearrangement, relocation or other modification to Cincinnati Bell Ethernet Service prior to completion thereof, Customer will reimburse CBT for the actual expenses incurred by CBT in connection with such modification prior to CBT's receipt of notice of cancellation; provided, however, the amount of such reimbursement will not exceed the service, construction, installation, termination and other charges for which Customer would have otherwise been responsible.

Cincinnati Bell Ethernet Service is available for a minimum term of 12 months or under a term payment plan of 24, 36, 48, 60 or 84 months. If a Customer terminates a service, without cause, prior to the Expiration of the term, the Customer will pay to CBT a termination charge equal to all remaining amounts due or to become due, including but not limited to all monthly charges for which Customer would have been responsible if the Customer had not terminated prior to the end of the applicable 12, 24, 36, 48, 60 or 84 month term payment plan.

If Customer removes one or more ports from service prior to the expiration of the term hereof, Customer will pay to CBT a termination charge equal to all monthly charges for such port(s) for which Customer would have been responsible had Customer not removed such port(s).

Customer has available option of purchasing Redundant Premise Power from the Company. Rates are shown in Section 5.6 following.

5.5 Ethernet Expedite Charge

When placing an Access Order for service(s) for which standard intervals exist, a customer may request a service date that is prior to the standard interval service date.

The customer may also request an earlier service date on a pending standard or negotiated interval Access Order. If the Telephone Company agrees to provide service on an expedited basis, subject to limitations of personnel and material, an Expedited Order Charge will apply.

	<u>USOC</u>	<u>Rate</u>
Expedite, per Order	CX4EX	\$ 1,270.00

(N)

ACCESS SERVICE

5. Cincinnati Bell Ethernet Service
 5.6 Rates and Charges

Electrical Port Type (Per Port)

(N)

<u>Type of Service</u>	<u>Nonrec Charge</u>	<u>Monthly</u>	<u>24 Mo.</u>	<u>Monthly Rates</u>				<u>USOC</u>
				<u>36 Mo.</u>	<u>48 Mo.</u>	<u>60 Mo.</u>	<u>84 Mo.</u>	
Unprotected Ports								
CIR 1.544 Mbps with 1.5 Mpps Access (Per port)	250.00	375.00	363.75	348.75	337.50	330.00	300.00	LVZAH
CIR 3 Mbps with 3 Mbps Access (Per port)	1000.00	525.00	509.25	488.25	472.50	462.00	425.00	LVZAS
CIR 4.5 Mbps with 4.5 Mbps Access (Per port)	1000.00	637.50	618.38	592.88	573.75	561.00	525.00	LVZAV
CIR 6 Mbps with 6 Mbps Access (Per Port)	1000.00	900.00	873.00	837.00	810.00	792.00	600.00	LVZAW
CIR 10 Mbps with 100 Mbps Access (Per port)	1000.00	675.00	654.75	627.75	607.50	594.00	400.00	LVZAU
CIR 20 Mbps with 100 Mbps Access (Per port)	1000.00	750.00	725.00	700.00	675.00	650.00	425.00	LVZE7
CIR 50 Mbps with 100 Mbps Access (Per port)	1000.00	950.00	925.00	900.00	875.00	851.00	550.00	LVZE8
CIR 100 Mbps with 1 Gbps Access (Per port)	1000.00	1350.00	1309.50	1255.50	1215.00	1188.00	750.00	LVZA1
CIR 200 Mbps with 1 Gbps Access (Per port)	1100.00	1500.00	1447.50	1387.50	1342.50	1312.50	855.00	LVZA2
CIR 300 Mbps with 1 Gbps Access (Per port)	1150.00	1650.00	1586.25	1518.75	1470.00	1436.25	945.00	LVZA3

(N)

Note 1: Nonrecurring charge applies when VLAN is installed subsequent to a port installation.
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ACCESS SERVICE

5. Cincinnati Bell Ethernet Service

(N)

5.6 Rates and Charges

<u>Type of Service</u>	<u>Nonrec Charge</u>	<u>Monthly</u>	<u>Monthly Rates</u>					<u>USOC</u>
			<u>24 Mo.</u>	<u>36 Mo.</u>	<u>48 Mo.</u>	<u>60 Mo.</u>	<u>84 Mo.</u>	
Unprotected Ports								
CIR 400 Mbps with 1 Gbps Access (Per port)	1200.00	1800.00	1725.00	1650.00	1597.50	1560.00	1025.00	LVZA4
CIR 500 Mbps with 1 Gbps Access (Per port)	1250.00	1950.00	1863.75	1781.25	1725.00	1683.75	1095.00	LVZA5
CIR 600 Mbps with 1 Gbps Access (Per port)	1300.00	2100.00	2002.50	1912.50	1852.50	1807.50	1175.00	LVZA6
CIR 700 Mbps with 1 Gbps Access (Per port)	1350.00	2250.00	2141.25	2043.75	1980.00	1931.25	1255.00	LVZA7
CIR 800 Mbps with 1 Gbps Access (Per port)	1400.00	2400.00	2280.00	2175.00	2107.50	2055.00	1350.00	LVZA8
CIR 900 Mbps with 1 Gbps Access (Per port)	1450.00	2550.00	2418.75	2306.25	2235.00	2178.78	1425.00	LVZA9
CIR 1 Gbps with 1 Gbps Access (Per port)	1500.00	2625.00	2546.25	2441.25	2362.50	2310.00	1450.00	LVZAO
CIR 10 Gbps with 10 Gbps Access (Per port)	1500.00	5625.00	5437.50	5250.00	5062.50	4875.00	3500.00	LVZAP (N)

Note 1: Nonrecurring charge applies when VLAN is installed subsequent to a port installation.

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ACCESS SERVICE

5. Cincinnati Bell Ethernet Service

5.6 Rates and Charges (Cont.)

(N)

Type of Service	Nonrec Charge	Rate	Monthly Rates					USOC
			24 Mo.	36 Mo.	48 Mo.	60 Mo.	84 Mo.	
Optional Features								
PVC/LAN Connection	100.00	40.00	40.00	40.00	40.00	40.00	40.00	LVZMX
ISP Connection	100.00	100.00	100.00	100.00	100.00	100.00	100.00	LVP
Diverse Route								
Same Central Office	NA	500.00	485.00	465.00	452.00	440.00	418.00	DCOXX
Diverse Central								
Office/Shared CO	NA	1000.00	970.00	930.00	905.00	880.00	836.00	DCOSC
Diverse Central								
Office	NA	1250.00	1213.00	1163.00	1131.00	1100.00	1045.00	DCOVL
Redundant LAN								
Equipment	NA	500.00	500.00	500.00	500.00	500.00	500.00	RPE11
Customer Premise								
Redundant Power	NA	50.00	50.00	50.00	50.00	50.00	50.00	RSP12
Quality of Service								
- 1.544 Mbps	NA	50.00	48.25	46.50	45.25	44.00	30.00	QOST1
- 3 Mbps	NA	70.00	67.55	65.10	63.35	61.60	42.50	QOST3
- 4.5 Mbps	NA	85.00	82.00	79.05	76.90	74.80	52.50	QOST4
- 6 Mbps	NA	120.00	115.80	111.60	108.60	105.60	60.00	QOST6
- 10 Mbps	NA	90.00	86.85	83.70	81.45	79.20	40.00	4106V
- 20 Mbps	NA	100.00	96.60	93.00	90.50	88.00	42.50	QOST2
- 50 Mbps	NA	130.00	125.85	120.90	117.65	114.40	55.00	QOST5
- 100 Mpps	NA	180.00	174.60	167.40	162.90	158.40	75.00	4107V
- 200 Mpps	NA	200.00	193.60	185.40	179.90	174.40	85.50	QOS20
- 300 Mpps	NA	220.00	212.60	203.40	196.90	190.40	94.50	QOS30
- 400 Mpps	NA	240.00	231.60	221.40	213.90	206.40	102.50	QOS40
- 500 Mpps	NA	260.00	250.60	239.40	230.90	222.40	109.00	QOS50
- 600 Mpps	NA	280.00	269.60	257.40	247.90	238.40	117.50	QOS60
- 700 Mpps	NA	300.00	288.60	275.40	264.90	254.40	122.50	QOS70
- 800 Mpps	NA	320.00	307.60	293.40	281.90	270.40	135.00	QOS80
- 900 Mpps	NA	340.00	326.60	311.40	298.90	286.40	142.50	QOS90
- 1 Gbps	NA	350.00	339.50	325.50	316.75	308.00	145.00	4108V
- 10 Gbps	NA	750.00	715.00	700.00	675.00	650.00	350.00	QOS10

Note 1: Nonrecurring charge applies when PVC is installed subsequent to a port installation.

(N)

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6. Wavelength Point-to-Point Service (Cont'd)

(N)

6.1 General Description

(A) Basic Service Description

Wavelength Service is a Special Access Service that provides high volume optical transport utilizing multiplexing technology in a point-to-point circuit configuration. Multiple data signals are transmitted over the same fiber-optic cable at the time, using different wavelengths of light, in order to increase the amount of information that can be transferred. Each wavelength represents a transmission channel in the Wavelength system and is protocol independent of every other channel in the system. Rates and charges for Special Access Service are set forth in Section 4.5. Wavelength Service allows customers to combine their multiple data signals so they may be amplified and transported over one network. Wavelength Service provides dedicated capacity over a single pair of fiber in two directions that increases capacity without limiting customer-required data interfaces.

The following regulations will apply to Wavelength Service:

- (1) Wavelength Point-to-Point Service is available with a one-year minimum period, under 12-month, 24-month, 36-month, 48-month, 60-month and 84-month OPP as described in Section 4.4.8. When a service is discontinued prior to the expiration of the minimum period, termination charges are applicable for the remaining portion of the minimum period.
- (2) Installation will not begin until the customer has accepted the proposal by the Telephone Company.

(N)

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6. Wavelength Point-to-Point Service (Cont'd) (N)

6.1 General Description (Cont'd)

(B) Service Provisioning

(2) Manner of Provisioning

Point-to-Point Service provides a customer a dedicated custom network. The network is in a architecture designed to provide increased reliability and functionality connecting multiple customer-designated locations and specified Telephone Company central Offices.

Customer provided equipment (CPE) must deliver the data signals for the Wavelength Service transport within the technical specifications for the subscribed data service. Technical specifications can be found in the Telcordia Technical Reference Publications and the following:

ANSI X379.3, Fibre Channel (also includes FICON[™] and ISC^T)

ANSI/IEEE 802.3, Fast Ethernet

IEEE 802.3x and z, Gigabit Ethernet

(N)

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6. Wavelength Point-to-Point Service (Cont'd) (N)

6.1 General Description (Cont'd)

(B) Service Provisioning (Cont'd)

(3) Limitations

- (a) Optical amplifiers and/or regenerators may have to be added to a Wavelength Service subsequent to the initial installation.
- (b) When any additional services are added, such installations may cause a service interruption to existing unprotected channels, or a protection switch on protected channels.
- (c) Services with time-delay sensitive protocols have facility length limitations and may affect the design/availability of Wavelength Service. The Telephone Company will work cooperatively with the customer to determine if the desired services can operate between the customers designated premises. These services will not be available on Wavelengths nor between nodes where facility length limitations exceed the service specifications.
- (d) Neither electrical interfaces nor optical multiplexing are available with Wavelength Service.
- (e) Channel protection may not be available for all interface types.
- (f) A protective channel provides protection for a single channel toward the network. It does not protect the channel against failure towards the customer interface. Protection reduces the maximum individual channel capacity of the system. (N)

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6. Wavelength Point-to-Point Service (Cont'd)

(N)

6.1 General Description (Cont'd)

(B) Service Provisioning (Cont'd)

(4) Allowance for Service Interruptions

An interruption of service will start when an inoperative service is reported to the Telephone Company and end when the service is operative. In any month, as a result of an interruption, the total credit per rate element of the interrupted service may not exceed 100 percent of the monthly charge for that particular rate element as described in Section 2.4.3.

Any protected service interruptions greater than 2 consecutive seconds as a result of a failure on the protected portion of the circuit will result in a credit equal to one month's bill for the individual port-to-port connection involved. If the interruption occurs on an unprotected portion of the circuit, no credit shall be allowed for an interruption of less than thirty (30) minutes. The customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charges for the facility or service for each period of 30 minutes or major fraction thereof that the interruption continues.

The minimum configuration would be two ports either at a serving wire center or at a customer premises site. If the ports are not in a serving wire center, a central office management site for monitoring is required. An optical amplifier located at a serving wire center can be used as a monitoring site.

A combination of these configurations may be used in a network design depending on the customer's traffic pattern.

Wavelength Point-to-Point Service configuration would be a port or ports at a customer premise site connecting through a Company central office to another customer premise site.

(N)

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6. Wavelength Point-to-Point Service (Cont'd)

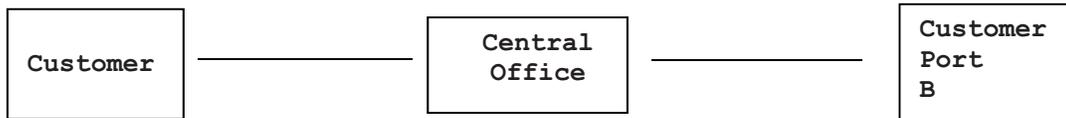
(N)

6.1 General Description (Cont'd)

(B) Service Provisioning (Cont'd)

CBET Point-to-Point Wavelength Service

UNPROTECTED



CBET Point-to-Point Wavelength Service

PROTECTED



(C) Responsibility of The Telephone Company

The Telephone Company will provision and maintain Wavelength Service for the customer up to and including the Network Interface (NI).

(D) Responsibility of Customer

The customer is responsible for providing the compatible CPE to be used for the connection to the Wavelength Service.

(E) Service Rearrangements

Service rearrangements are provisioning changes to existing (installed) services which do not result in either a change in the minimum period requirements or a change in the physical location of the point of termination at a customer premises. See Section 8.3.11.

(N)

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6. Wavelength Point-to-Point Service (Cont'd)

(N)

6.2 Route Diversity

Wavelength Service is configured with diversely routed fiber whenever possible. Unprotected channels will be lost in the event of a fiber path failure on which the circuit is assigned. Equipment interfaces towards the customer are not protected.

Routing of fiber may be diversified from the customer premises to their serving wire center or alternate serving wire center as determined by the Telephone Company, and where facilities are available, to ensure that loop fibers follow separate paths to the serving wire center or alternate serving wire center. Special construction costs may be incurred to ensure diverse routing of the fiber. In addition, IOF (interoffice facility) fiber paths may be diversified to ensure that at any serving wire center drop node, the fibers do not egress and ingress at the same location. In cases where the serving wire center does not have multiple entrance fiber facilities, the section of the fiber from the manhole closest to the serving wire center will be routed within the same duct structure.

At the customer's request, additional protection to the customer premises nodes can be provided via dual entrance facilities. This special request will cause the customer to incur special construction cost. Without this special request, diverse fiber is provided to the manhole closest to the customer premises. The customer or building owner is responsible for providing the conduit.

In the case where dual entrance facilities are not established at the customer premises, collapsed facilities from the customer premises to the building equipment location are not diverse.

(N)

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6. Wavelength Point-to-Point Service (Cont'd)

(N)

6.3 Rate Regulations

(A) Rate Elements

There are two basic rate elements which apply to Wavelength Service. The Port/per circuit termination can be located at either a customer premises or the Telephone Company Central Office.

(1) Customer Premises Port/Per circuit termination

Provides for the termination of service at the customer's premises and presents the various selected ports to the customer. Applies per customer designated premises.

(2) Central Office Port/Per circuit termination

Provides for the termination of service at a Telephone Company Serving Wire Center. Applies per Node at the Telephone Company Serving Wire Center.

(N)

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6. Wavelength Point-to-Point Service (Cont'd)

(N)

6.3 Rate Regulations (Cont'd)

(B) Wavelength Connection Capacity

Wavelength Service offers the following port interfaces:

(1) IBM Protocols:

FICON™ (1.0625 and 2.125 Gbps) - A higher-speed evolution of ESCON™, enabling 1 Gbps connectivity among mainframes, storage devices and peripherals. FICON™ is limited to a maximum distance of 100 km and actual data throughput is distance sensitive.

ISC™ (1.0625 Gbps) - Inter-System Coupling. This protocol is used with IBM GDPS™ architecture for multiple-location host processors. ISC™ is limited to a maximum distance of 40 km.

(2) Other Protocols:

Fibre Channel (1.0625 and 2.125 Gbps) - an industry standard protocol used to interconnect Storage Area Networks (SANs). Fibre Channel is limited to a maximum distance of 100 km and actual throughput is distance sensitive.

Gigabit Ethernet - a version of Ethernet that allows data transmission rates of 1 Gbps.

10 Gigabit Ethernet - a version of Ethernet that allows data transmission rates of 10 Gbps.

10 Gigabit Ethernet (WAN-PHY) - a version of Ethernet that allows data transmission rates of 9.953 Gbps with a WAN-PHY only interface.

10 Gigabit Ethernet (LAN-PHY) - a version of Ethernet that allows data transmission rates of 10.3125 Gbps with a LAN-PHY only interface.

SONET OC-192/192c - provides a fiber-based 9953.28 Mbps synchronous optical full duplex data transmission capability.

(N)

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6. Wavelength Point-to-Point Service (Cont'd)

(N)

6.3 Rate Regulations (Cont'd)

(C) Term Pricing Plan

The rates and charges set forth for Wavelength Service provide for the furnishing of service where suitable facilities are available. Where special construction of facilities is necessary, special construction charges may apply.

If Customer cancels, in whole or in part, any requested addition, rearrangement, relocation or other modification to Wavelength service prior to completion thereof, Customer will reimburse CBET for the actual expenses incurred by CBET in connection with such modification prior to CBET's receipt of notice of cancellation; provided, however, the amount of such reimbursement will not exceed the service, construction, installation, termination and other charges for which Customer would have otherwise been responsible.

Wavelength Service is available for a minimum term of 12 months or under a term payment plan of 12, 24, 36, 48, 60, or 84 months. If a Customer terminates a service, without cause, prior to the expiration of the term, the Customer will pay to CBET a termination charge equal to all remaining amounts due or to become due, including but not limited to all monthly charges for which Customer would have been responsible if the Customer had not terminated prior to the end of the applicable 12, 24, 36, 48, or 60-month term payment plan as shown in Section 4.4.8.

If Customer removes one or more ports from service prior to the expiration of the term hereof, Customer will pay to CBET a termination charge equal to all monthly charges for such element(s) for which Customer would have been responsible had Customer not removed such port(s).

(N)

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6. Wavelength Point-to-Point Service (Cont'd)

(N)

6.3 Rate Regulations (Cont'd)

(C) Term Pricing Plan (Cont'd)

Upon completion of the term payment plan contract the customer may renew their contract at the current, tariffed rates. If customer does not renew their contract prior to the expiration date and does not select to discontinue Wavelength Service, CBET will furnish Wavelength Service to the Customer as specified in the contract on a month-to-month basis at the current, monthly tariffed rates (which will be subject to company initiated rate changes).

If customer elects a new term payment plan, prior to the expiration of their current contract, the monthly charges will be adjusted to the current tariffed rates in effect at the time of renewal. There will be no credits or refunds made to the Customer for payments made under the previous contract term, but nonrecurring charges will not be reapplied. If Customer reduces the number of ports in service, then termination charges will be applied for the removed service. Customer may not elect a term payment plan that is shorter than the remainder of the current term payment plan.

(D) Wavelength Service Expedite Charge

When placing an Access Order for service(s) for which standard intervals exist, a customer may request a service date that is prior to the standard interval service date.

The customer may also request an earlier service date on a pending standard or negotiated interval Access Order. If the Telephone Company agrees to provide service on an expedited basis, subject to limitations of personnel and material, an Expedited Order Charge will apply.

	<u>USOC</u>	<u>Rate</u>
Expedite, per Order	CX4WX	\$ 2,100.00

(N)

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6 Wavelength Point-to-Point Service (Cont'd) (N)

6.4 Rates and Charges Cont'd)

(A) Ports Point-to Point Service

Per Port/Per circuit termination location

	USOC	12 Month	24 Month	36 Month	48 Month	60 Month	84 Month	
FICON TM /1/ISC TM , ESCON TM (1.0625 Gbps)								
- protected channel								
PROAD	5,250.00	5,092.50	4,882.50	4,725.00	4,620.00	4,620.00	2,900.00	
- unprotected channel								
UNPAD	2,625.00	2,546.25	2,441.25	2,362.50	2,310.00	2,310.00	1,450.00	
FICON TM /1/ESCON TM (2.125 Gbps)								
- protected channel								
PROBD	5,916.66	5,735.00	5,506.66	5,325.00	5,190.00	5,190.00	3,650.00	
- unprotected channel								
UNPBD	2,958.33	2,867.50	2,753.33	2,662.50	2,595.00	2,595.00	1,825.00	
Fibre Channel (1.0625 Gbps)								
- protected channel								
PROCD	5,250.00	5,092.50	4,882.50	4,725.00	4,620.00	4,620.00	2,900.00	
- unprotected channel								
UNPCD	2,625.00	2,546.25	2,441.25	2,362.50	2,310.00	2,310.00	1,450.00	
Fibre Channel (2.125 Gbps)								
- protected channel								
PRODD	5,916.66	5,735.00	5,506.66	5,325.00	5,190.00	5,190.00	3,650.00	
- unprotected channel								
UNPDD	2,958.33	2,867.50	2,753.33	2,662.50	2,595.00	2,595.00	1,825.00	
SONET OC-192/OC-192c								
- protected channel								
PROED	11,250.00	10,875.00	10,500.00	10,125.00	9,750.00	9,750.00	7,000.00	
- unprotected channel								
UNPED	5,625.00	5,437.50	5,250.00	5,062.50	4,875.00	4,875.00	3,500.00	(N)

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6 Wavelength Point-to-Point Service (Cont'd) (N)

6.4 Rates and Charges Cont'd)

(A) Ports Point-to Point Service (Cont'd)

Per Port/Per circuit termination location

	USOC	12 Month	24 Month	36 Month	48 Month	60 Month	84 Month	
1 Gbps Ethernet								
- protected channel								
PROFD	5,250.00	5,092.50	4,882.50	4,725.00	4,620.00	2,900.00		
- unprotected channel								
UNPFD	2,625.00	2,546.25	2,441.25	2,362.50	2,310.00	1,450.00		
10 Gbps Ethernet								
- protected channel								
PROGD	11,250.00	10,875.00	10,500.00	10,125.00	9,750.00	7,000.00		
- unprotected channel								
UNPGD	5,625.00	5,437.50	5,250.00	5,062.50	4,875.00	3,500.00		
40 Gbps OC768 & OTU3/STM 256								
- protected channel								
PROHD	45,000.00	35,000.00	26,250.00	25,326.00	24,350.00	17,500.00		
- unprotected channel								
UNPHD	22,500.00	17,500.00	13,125.00	12,663.00	12,175.00	8,750.00		
100 Gbps Ethernet								
- protected channel								
PROJD	99,500.00	55,000.00	39,400.00	38,000.00	36,500.00	26,250.00		
- unprotected channel								
UNPJD	49,750.00	27,500.00	19,700.00	19,000.00	18,250.00	13,125.00		(N)

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7. Ethernet Point-to-Point Service (Cont'd)

(N)

7.1 General Description

(A) Basic Service Description

Ethernet Point-to-Point Service is a SONET-based Special Access Service that provides high volume optical transport in a point-to-point circuit configuration between one customer-designated premises to another customer-designated premises, or between a customer-designated premises, and a Telephone Company location.

The following regulations will apply to Ethernet Point-to-Point Service:

(1) Ethernet Point-to-Point Service is available with a one-year minimum period, under 12-month, 24-month, 36-month, 48-month, 60-month and 84-month OPP as described in Section 4.4.8. When a service is discontinued prior to the expiration of the minimum period, termination charges are applicable for the remaining portion of the minimum period.

(2) Installation will not begin until the customer has accepted the proposal by the Telephone Company.

(B) Service Provisioning

(1) Manner of Provisioning

Point-to-Point Ethernet Service provides a customer a dedicated custom network. The network is in a architecture designed to provide increased reliability and functionality connecting multiple customer-designated locations and specified Telephone Company central Offices.

(2) Limitations

(a) When any additional services are added, such installations may cause a service interruption to existing channels.

(b) Services with time-delay sensitive protocols have facility length limitations and may affect the design/availability of Ethernet Point-to-Point Service. The Telephone Company will work cooperatively with the customer to determine if the desired services can operate between the customers designated premises.

(N)

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7. Ethernet Point-to-Point Service (Cont'd)

(N)

7.1 General Description (Cont'd)

(B) Service Provisioning (Cont'd)

(3) Allowance for Service Interruptions

An interruption of service will start when an inoperative service is reported to the Telephone Company and end when the service is operative. In any month, as a result of an interruption, the total credit per rate element of the interrupted service may not exceed 100 percent of the monthly charge for that particular rate element as described in Section 2.4.3.

Any service interruptions greater than 30 minutes will result in a credit equal to 1/1440 of the monthly charges for the facility for each period of 30 minutes or major fraction thereof that the interruption continues.

The minimum configuration would be two ports either at a serving wire center or at a customer premises site. If the ports are not in a serving wire center, a central office management site for monitoring is required. An optical amplifier located at a serving wire center can be used as a monitoring site.

A combination of these configurations may be used in a network design depending on the customer's traffic pattern.

(C) Responsibility of The Telephone Company

The Telephone Company will provision and maintain Ethernet Point-to-Point Service for the customer up to and including the Network Interface (NI).

(D) Responsibility of Customer

The customer is responsible for providing the compatible CPE to be used for the connection to the Ethernet Point-to-Point Service.

(E) Service Rearrangements

Service rearrangements are provisioning changes to existing (installed) services which do not result in either a change in the minimum period requirements or a change in the physical location of the point of termination at a customer premises. See Section 8.3.8.

(N)

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7. Ethernet point-to-Point Service (Cont'd)

(N)

7.2 Route Diversity

Ethernet Point-to-Point Service is configured with diversely routed fiber whenever possible. Routing of fiber may be diversified from the customer premises to their serving wire center or alternate serving wire center as determined by the Telephone Company, and where facilities are available, to ensure that loop fibers follow separate paths to the serving wire center or alternate serving wire center. Special construction costs may be incurred to ensure diverse routing of the fiber. In addition, IOF (interoffice facility) fiber paths may be diversified to ensure that at any serving wire center drop node, the fibers do not egress and ingress at the same location. In cases where the serving wire center does not have multiple entrance fiber facilities, the section of the fiber from the manhole closest to the serving wire center will be routed within the same duct structure.

At the customer's request, additional protection to the customer premises nodes can be provided via dual entrance facilities. This special request will cause the customer to incur special construction cost. Without this special request, diverse fiber is provided to the manhole closest to the customer premises. The customer or building owner is responsible for providing the conduit.

In the case where dual entrance facilities are not established at the customer premises, collapsed facilities from the customer premises to the building equipment location are not diverse.

(N)

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7. Ethernet point-to-Point Service (Cont'd)

(N)

7.3 Rate Regulations (Cont'd)

(A) Rate Elements

There are two basic rate elements which apply to Ethernet Point-to-Point Service. The Port/per circuit termination can be located at either a customer premises or the Telephone Company Central Office. Each circuit will have 2 ports.

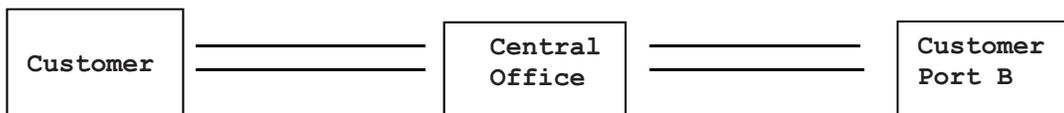
(1) Customer Premises Port/Per circuit termination

Provides for the termination of service at the customer's premises and presents the various selected ports to the customer. Applies per customer designated premises.

(2) Central Office Port/Per circuit termination

Provides for the termination of service at a Telephone Company Serving Wire Center. Applies per Node at the Telephone Company Serving Wire Center.

CBT Ethernet Point-to-Point Service



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7. Ethernet Point-to-Point Service (Cont'd)

(N)

7.3 Rate Regulations (Cont'd)

(B) Term Pricing Plan

The rates and charges set forth for Ethernet Point-to-Point Service provide for the furnishing of service where suitable facilities are available. Where special construction of facilities is necessary, special construction charges may apply.

If Customer cancels, in whole or in part, any requested addition, rearrangement, relocation or other modification to Ethernet Point-to-Point service prior to completion thereof, Customer will reimburse CBT for the actual expenses incurred by CBT in connection with such modification prior to CBT's receipt of notice of cancellation; provided, however, the amount of such reimbursement will not exceed the service, construction, installation, termination and other charges for which Customer would have otherwise been responsible.

Ethernet Point-to-Point Service is available for a minimum term of 12 months or under a term payment plan of 12, 24, 36, 48, 60, or 84 months. If a Customer terminates a service, without cause, prior to the expiration of the term, the Customer will pay to CBT a termination charge equal to all remaining amounts due or to become due, including but not limited to all monthly charges for which Customer would have been responsible if the Customer had not terminated prior to the end of the applicable 12, 24, 36, 48, or 60-month term payment plan as shown in Section 4.4.8.

If Customer removes one or more ports from service prior to the expiration of the term hereof, Customer will pay to CBT a termination charge equal to all monthly charges for such element(s) for which Customer would have been responsible had Customer not removed such port(s).

(N)

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7. Ethernet point-to-Point Service (Cont'd)

(N)

7.3 Rate Regulations (Cont'd)

(B) Term Pricing Plan (Cont'd)

Upon completion of the term payment plan contract the customer may renew their contract at the current, tariffed rates. If customer does not renew their contract prior to the expiration date and does not select to discontinue Ethernet Point-to-Point Service, CBT will furnish Ethernet Point-to-Point Service to the Customer as specified in the contract on a month-to-month basis at the current 12 month tariffed rates (which will be subject to company initiated rate changes).

If customer elects a new term payment plan, prior to the expiration of their current contract, the monthly charges will be adjusted to the current tariffed rates in effect at the time of renewal. There will be no credits or refunds made to the Customer for payments made under the previous contract term, but nonrecurring charges will not be reapplied. If Customer reduces the number of ports in service, then termination charges will be applied for the removed service. Customer may not elect a term payment plan that is shorter than the remainder of the current term payment plan.

(C) Ethernet Point-to-Point Service Expedite Charge

When placing an Access Order for service(s) for which standard intervals exist, a customer may request a service date that is prior to the standard interval service date.

The customer may also request an earlier service date on a pending standard or negotiated interval Access Order. If the Telephone Company agrees to provide service on an expedited basis, subject to limitations of personnel and material, an Expedited Order Charge will apply.

	<u>USOC</u>	<u>Rate</u>
Expedite, per Order	CX4GX	\$ 2,100.00

(N)

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7 Ethernet Point-to-Point Service (Cont'd)

(N)

7.4 Rates and Charges Cont'd)

(A) Ports Point-to Point Service

Per Port/Per circuit termination location

<u>Type of Service</u>	<u>Monthly Rates</u>						<u>USOC</u>
	<u>12 Mo.</u>	<u>24 Mo.</u>	<u>36 Mo.</u>	<u>48 Mo.</u>	<u>60 Mo.</u>	<u>84 Mo.</u>	
50 Mbps Ethernet	2000.00	1250.00	1175.00	1138.00	1108.00	715.00	LVZFA
100 Mbps Ethernet	2400.00	1635.00	1493.00	1478.00	1445.00	915.00	LVZFB
150 Mbps Ethernet	2475.00	1705.00	1559.00	1541.00	1508.00	970.00	LVZFC
200 Mbps Ethernet	2550.00	1775.00	1625.00	1605.00	1570.00	1025.00	LVZFD
250 Mbps Ethernet	2625.00	1844.00	1691.00	1669.00	1632.00	1070.00	LVZFE
300 Mbps Ethernet	2700.00	1914.00	1756.00	1733.00	1694.00	1115.00	LVZFF
350 Mbps Ethernet	2775.00	1983.00	1822.00	1796.00	1756.00	1155.00	LVZFG
400 Mbps Ethernet	2850.00	2053.00	1888.00	1860.00	1818.00	1195.00	LVZFH
450 Mbps Ethernet	2925.00	2122.00	1953.00	1924.00	1879.00	1230.00	LVZFJ
500 Mbps Ethernet	3000.00	2191.00	2019.00	1988.00	1941.00	1265.00	LVZFK
550 Mbps Ethernet	3075.00	2261.00	2084.00	2051.00	2003.00	1305.00	LVZFL
600 Mbps Ethernet	3150.00	2330.00	2150.00	2115.00	2065.00	1345.00	LVZFM
650 Mbps Ethernet	3225.00	2399.00	2216.00	2179.00	2127.00	1385.00	LVZFN
700 Mbps Ethernet	3300.00	2469.00	2281.00	2243.00	2189.00	1425.00	LVZFO
750 Mbps Ethernet	3375.00	2538.00	2347.00	2306.00	2251.00	1473.00	LVZFP
800 Mbps Ethernet	3450.00	2608.00	2413.00	2370.00	2313.00	1520.00	LVZFQ
850 Mbps Ethernet	3525.00	2677.00	2478.00	2434.00	2374.00	1558.00	LVZFR
900 Mbps Ethernet	3600.00	2746.00	2544.00	2498.00	2436.00	1595.00	LVZFS
950 Mbps Ethernet	3638.00	2810.00	2611.00	2561.00	2502.00	1608.00	LVZFT
1 Gbps Ethernet	3675.00	2874.00	2679.00	2625.00	2568.00	1620.00	LVZFU

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8. Additional Engineering, Additional Labor and Miscellaneous Services

(N)

In this section normally scheduled working hours are an employee's scheduled work period in any given calendar day (e.g., 7:00 a.m. to 4:00 p.m.) for the application of rates based on working hours.

8.1 Additional Engineering

Additional Engineering will be provided by the Company at the request of the customer only when:

- (A) A customer requests additional technical information after the Company has already provided the technical information normally included on the Design Layout Report (DLR)

The Company will notify the customer that additional engineering Charges will apply before any additional engineering is undertaken.

8.1.1 Charges For Additional Engineering

The charges for additional Engineering are as follows:

<u>Additional Engineering Periods</u>	<u>USOC</u>	<u>First Half Hour or Fraction Thereof</u>	<u>Each Additional Half Hour or Fraction Thereof</u>
(A) Basic Time, normally scheduled working hours#	AEH	\$ 100.00	\$ 75.00

(N)

If more than one engineer is involved with the same additional engineering project, the total amount of time for all engineers involved will be aggregated prior to the distribution of time between the "First Half Hour or Fraction Thereof" and "Each Additional Half Hour or Fraction Thereof" rate categories.

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.1 Additional Engineering (Cont'd)

8.1.1 Charges for Additional Engineering (Cont'd)

<u>Additional Engineering Periods</u>	<u>USOC</u>	<u>First Half Hour or Fraction Thereof</u>	<u>Each Additional Half Hour or Fraction Thereof</u>
B) Overtime, outside of normally scheduled working hours#	AEH	\$ 100.00	\$ 75.00

8.2 Additional Labor

Additional labor is that labor requested by the customer on a given service and agreed to by the Company as set forth in 8.2.1 through 8.2.5 following. The Company will notify the customer that additional labor charges as set forth in 8.2.6 following will apply before any additional labor is undertaken.

8.2.1 Overtime Installation

Overtime installation is that Company installation effort outside of normally scheduled working hours.

8.2.2 Overtime Repair

Overtime repair is that Company maintenance effort performed outside of normally scheduled working hours.

8.2.3 Stand by

Stand by includes all time in excess of one-half (1/2) hour during which Company personnel stand by to make cooperative tests with a customer to verify facility repair on a given service.

(N)

If more than one engineer is involved with the same additional engineering project, the total amount of time for all engineers involved will be aggregated prior to the distribution of time between the "First Half Hour or Fraction Thereof" and "Each Additional Half Hour or Fraction Thereof" rate categories.

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.2 Additional Labor (Cont'd)

8.2.4 Testing and Maintenance with Other Telephone Companies

Testing and Maintenance with Other Telephone Companies is that additional testing, maintenance or repair of facilities which connect to facilities of other telephone companies, which is in addition to normal effort required to test, maintain or repair facilities provided solely by the Company.

8.2.5 Other Labor

Other labor is that additional labor not included in 8.2.1 through 8.2.4 preceding and labor incurred to accommodate a specific customer request that involves only labor which is not covered by any other section of this tariff.

8.2.6 Charges For Additional Labor

The charges for additional labor are as follows:

<u>Additional Labor</u> <u>Periods</u>	<u>USOC</u>	<u>First Half</u> <u>Hour or</u> <u>Fraction</u> <u>Thereof</u>	<u>Each Additional</u> <u>Half Hour or</u> <u>Fraction</u> <u>Thereof</u>
---	-------------	--	--

(A) Installation or Repair

- Overtime,
 outside of normally
 scheduled working hours
 on a scheduled
 work day#

ALH

\$ 60.00*

\$60.00*

- Premium Time,
 outside of scheduled
 work day#

ALH

74.00*

74.00*

(N)

If more than one technician is involved with the same additional labor project, the total amount of time for all technicians involved will be aggregated prior to the distribution of time between the "First Half Hour or Fraction Thereof" and "Each Additional Half Hour or Fraction Thereof" rate categories.

* A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.2 Additional Labor (Cont'd)

8.2.6 Charges For Additional Labor (Cont'd)

<u>Additional Labor</u> <u>Periods</u>	<u>USOC</u>	<u>First Half</u> <u>Hour or</u> <u>Fraction</u> <u>Thereof</u>	<u>First</u> <u>Billable</u> <u>Half Hour</u> <u>or Fraction</u> <u>Thereof</u>	<u>Each</u> <u>Additional</u> <u>Half Hour</u> <u>or Fraction</u> <u>Thereof</u>	
(B) Stand by					
- Basic time, normally scheduled working hours#	ALT	None	\$ 50.00*	\$ 50.00*	
- Overtime, outside of normally scheduled working hours on a scheduled work day#	ALT	None	60.00*	60.00*	
- Premium Time, outside of scheduled work day#	ALT	None	74.00*	74.00*	(N)

If more than one technician is involved with the same additional labor project, the total amount of time for all technicians involved will be aggregated prior to the distribution of time between the "First Billable Half Hour or Fraction Thereof" and "Each Additional Half Hour or Fraction Thereof" rate categories.

* A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.2 Additional Labor (Cont'd)

8.2.6 Charges For Additional Labor (Cont'd)

The charges for additional labor are as follows:

<u>Additional Labor Periods</u>	<u>USOC</u>	<u>First Half Hour or Fraction Thereof</u>	<u>Each Additional Half Hour or Fraction Thereof</u>	
(C) Testing and Maintenance with other telephone companies, or Other Labor				
- Basic time, normally scheduled working hours#	ALK	\$ 50.00*	\$ 50.00*	
- Overtime, outside of normally scheduled working hours on a scheduled work day#	ALK	60.00*	60.00*	
- Premium Time, outside of scheduled work day#	ALK	74.00*	74.00*	(N)

If more than one technician is involved with the same additional labor project, the total amount of time for all technicians involved will be aggregated prior to the distribution of time between the "First Half Hour or Fraction Thereof" and "Each Additional Half Hour or Fraction Thereof" rate categories.

* A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services

8.3.1 Maintenance of Service

(A) When a customer reports a trouble to the Company for clearance and no trouble is found in the Company's facilities, the customer shall be responsible for payment of a Maintenance of Service charge for the period of time from when Company personnel are dispatched to when the work is completed. Failure of Company personnel to find trouble in Company facilities will result in no charge if the trouble is actually in those facilities, but not discovered at the time.

(B) The customer shall be responsible for payment of a Maintenance of Service charge when the Company dispatches personnel and the trouble is in equipment or communications systems provided by other than the Company.

In either (A) or (B) preceding, no credit allowance will be applicable for the interruption involved if the Maintenance of Service charge applies.

(C) The charges for Maintenance of Service are as follows:

Maintenance of Service Periods	USOC	First Half Hour or Fraction Thereof	Each Additional Half Hour or Fraction Thereof
-----------------------------------	------	--	--

- Basic time,
normally scheduled
working hours#

MVV \$50.00 \$50.00

(N)

If more than one technician is involved with the same trouble report, the total amount of time for all technicians dispatched involved will be aggregated prior to the distribution of time between the "First Half Hour or Fraction Thereof" and "Each Additional Half Hour or Fraction Thereof" rate categories.

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services (Cont'd)

8.3.1 Maintenance of Service (Cont'd)

(C) (Cont'd)

Maintenance of Service Periods	USOC	First Half Hour or Fraction Thereof	Each Additional Half Hour or Fraction Thereof
- Overtime, outside of normally scheduled working hours on a scheduled work day#	MVV	\$ 60.00*	\$ 60.00*
- Premium Time outside of scheduled work day#	MVV	74.00*	74.00*

If more than one technician is involved with the same trouble report, the total amount of time for all technicians dispatched involved will be aggregated prior to the distribution of time between the "First Half Hour or Fraction Thereof" and "Each Additional Half Hour or Fraction Thereof" rate categories.

* A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours. (N)

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services (Cont'd)

8.3.2 Testing Services

Testing Services offered under this section of the tariff are optional and subject to rates and charges as set forth in 8.3.2(C) following. Other testing services provided by the Company in association with Access Services are furnished at no additional charge. These other testing services are described in 3.1.4 and 4.1.4 preceding.

Testing services are normally provided by Company personnel at Company locations. However, provisions are made in (A) (5) and (B) (1) and (2) following for a customer to request Company personnel to perform testing services at the customer's premises.

The offering of Testing Services under this section of the tariff is made subject to the availability of the necessary qualified personnel and test equipment at the various test locations mentioned in (A), (B) and (C) following:

(A) Switched Access Service

Testing Services for Switched Access are comprised of (a) tests which are performed during the installation of a Switched Access Service, and (b) tests which are performed after acceptance of such access services by a customer, i.e., in-service tests. These in-service tests may be further divided into two broad categories of tests: scheduled and nonscheduled.

Scheduled tests are those tests performed by the Company on a regular basis, e.g., monthly which result in the measurement of Switched Access Service. Scheduled tests may be done on an automatic basis (no Company or customer technicians

(N)

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services (Cont'd)

8.3.2 Testing Services (Cont'd)

(A) Switched Access Service (Cont'd)

involved), on a cooperative basis (Company technician(s) involved at Company office(s) and customer technician(s) involved at customer's premises), or a manual basis (Company technician(s) involved at Company office(s) and at customer's premises).

Nonscheduled tests are performed by the Company "on demand", which result in the measurement of Switched Access Services. Nonscheduled tests may involve Company technicians at Company offices and at the customer's premises.

(1) Additional Cooperative Acceptance Testing

Additional Cooperative Acceptance Testing (ACAT) or Switched Access Service involves the Company provision of a technician at its office(s) and the customer provides a technician at its premises, with suitable test equipment to perform the required tests.

Additional Cooperative Acceptance Tests may, for example, consists of the following tests:

- Impulse Noise
- Phase Jitter
- Signal to C-Notched Noise Ratio
- Intermodulation (Nonlinear) Distortion
- Frequency Shift (Offset)
- Envelope Delay Distortion
- Dial Pulse Percent Break

(N)

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services (Cont'd)

8.3.2 Testing Services (Cont'd)

(A) Switched Access Service (Cont'd)

(2) Automatic Scheduled Testing

Automatic Schedules Testing (AST) of Switched Access Services where the customer provides remote office test lines and 105 test lines with associated responders or their functional equivalent, will consist of monthly loss and C-message noise tests and annual balance test. However, the customer may specify a more frequent schedule of tests. In addition to the loss/noise/balance tests, the IC may also order, at additional charges, gain-slope and C-notched noise testing.

The Company will provide a monthly AST report that lists the test results for each trunk tested. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services (Cont'd)

8.3.2 Testing Services (Cont'd)

(A) Switched Access Service (Cont'd)

(3) Cooperative Scheduled Testing

Cooperative Scheduled Testing (CST) of Switched Access Services (Features Groups B, and D and Directory Access Service not routed through an access tandem), where the Company provides a technician at its office(s) and the customer provides a technician at its premises, with suitable test equipment to perform the required tests, will consist of quarterly loss and C-message noise tests, and annual balance tests. However, the customer may specify a more frequent schedule of tests. In addition to the loss/noise/balance measurements, the customer may also order, at additional charges, gain-slope and C-notched noise testing.

The Company will provide, on a quarterly basis, a CST report that lists the test results for each trunk tested. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services (Cont'd)

8.3.2 Testing Services (Cont'd)

(A) Switched Access Service (Cont'd)

(4) Manual Scheduled Testing

Manual Scheduled Testing (MST) of Switched Access Services (Feature Groups D and Directory Access Service not routed through an access tandem), where the Company provides a technician at its office(s) and at the customer's premises, will consist of quarterly loss and C-message noise tests, and annual balance tests. However, the customer may specify a more frequent schedule of tests. In addition to the loss/noise/balance tests, the customer may also order, at additional charges, gain-slope and C-notched noise testing.

The Company will provide, on a quarterly basis, an MST report that lists the test results for each trunk tested. Trunk test failures requiring customer participation for trouble resolution will be provided to the customer on an as-occurs basis.

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services (Cont'd)

8.3.2 Testing Services (Cont'd)

(A) Switched Access Service (Cont'd)

(5) Nonscheduled Testing

Nonscheduled Testing (NST) of Switched Access Services is where:

- the customer provides remote office test lines and 105 test lines with associated responders or their functional equivalent ("automatic testing"), or
- the Company provides a technician at its office(s) and the customer provides a technician at its premises, with suitable test equipment to perform the required test ("cooperative testing"), or
- the Company provides a technician at its office(s), and/or at the customer's premises with suitable test equipment to perform the required tests ("manual testing")

Nonscheduled Tests may consist of any tests, e.g., loss, noise, slope, envelope delay, which the customer require.

(6) Obligations of the Customer

- (A) The customer shall provide the Remote Office Test Line priming data to the Company, as appropriate, to support AST as set forth in 8.2.5(a) (2) preceding or NST as set forth in 8.2.5(A) (5) preceding.
- (B) The customer shall make the facilities to be tested available to the Company at times mutually agreed upon.

(N)

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services (Cont'd)

8.3.2 Testing Services (Cont'd)

(B) Special Access Service

The Company will, at the request of a customer, provide assistance in performing specific tests requested by the customer.

(1) Nonscheduled Testing (NST)

When a customer provides a technician at its premises, with suitable test equipment to perform the required tests, the Company will provide a technician at its office for the purpose of conducting Nonscheduled Testing. At the customer's request, the Company will provide a technician at the customer's premises. Nonscheduled tests may consist of any tests, e.g., loss, noise, slope, envelope delay, which the customer may require.

(2) Obligations of the Customer

When the customer subscribes to Testing Services as set forth in this section, the customer shall make the facilities to be tested available to the Company at times mutually agreed upon.

(N)

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services (Cont'd)

8.3.2 Testing Services (Cont'd)

(C) Rates and Charges

(1) Switched Access

(a) Additional Cooperative Acceptance Testing

<u>Testing Periods</u>	<u>USOC</u>	<u>First Half Hour or Fraction Thereof</u>	<u>Each Additional Half Hour or Fraction Thereof</u>
Basic Time, normally scheduled working hours#	UBCX+	\$ 50.00*	\$ 50.00*
Overtime, outside of normally scheduled working hours on a scheduled work day#	UBCX+	60.00*	60.00*
Premium Time, outside of scheduled work day#	UBCX+	74.00*	74.00*

If more than one technician is involved with the same testing project, the total amount of time for all technicians involved will be aggregated prior to the distribution of time between the "First Half Hour or Fraction Thereof" and "Each Additional Half Hour or Fraction Thereof" rate categories.

* A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours. (N)

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services (Cont'd)

8.3.2 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(b) Automatic Scheduled Testing (AST)

The three tests as set forth in (I) following represent the minimum offering, i.e., an order for testing must, at a minimum, consist of twelve 1004 Hz Tests per transmission path, twelve C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The Additional Tests as set forth in (II) following may be ordered by the customer, at additional charges, 60 days prior to the start of the customer prescribed schedule. The customer also may specify a more frequent schedule of tests 60 days prior to the start of the customer prescribed schedule.

<u>To First Point of Switching</u>	<u>USOC</u>	<u>Monthly Rates</u>
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(I) Basic Tests #

1004 Hz Loss Tests
 performed within a
 one year period,
 per test ordered,
 per transmission
 path

UBGX+ \$0.10

(N)

Subject to a one year minimum contract period, and annually thereafter.

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ACCESS SERVICE

8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services (Cont'd)

8.3.2 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(b) Automatic Scheduled Testing (AST) (Cont'd)

<u>To First Point of Switching</u>	<u>USOC</u>	<u>Monthly Rates</u>
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(I) Basic Tests # (Cont'd)

C-Message Noise Tests performed within a one year period, per test ordered, per transmission path	UBGX+	\$0.10
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Return Loss (Balance) Tests performed within a one year period, per test ordered, per transmission path	UBGX+	0.10
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Additional Tests

Gain-Slope Tests performed within a one year period, per test ordered, per transmission path	UBGX+	0.10
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(N)

Subject to a one year minimum contract period, and annually thereafter.

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ACCESS SERVICE

8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services (Cont'd)

8.3.2 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(b) Automatic Scheduled Testing (AST) (Cont'd)

To First Point of Switching	<u>USOC</u>	<u>Monthly Rates</u>
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(II) Additional Tests (Cont'd)

C-Notched Noise Tests
performed within a
one year period,
per test ordered,
per transmission
path

UBGX+ \$0.10

(III) Example

A customer schedules 13 1004 Hz Loss
Tests, 13 C-Message Noise Tests and
2 Return Loss Tests on one trunk for
a year. The charges will be computed
as follows:

13 x .10 = \$1.30
+13 x .10 = 1.30
+ 2 x .10 = .20

\$2.80 per month, per trunk (N)

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services (Cont'd)

8.3.2 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(c) Cooperative Scheduled Testing (CST)

The three tests as set forth in (I) following represent the minimum offering, i.e., an order for testing must, at a minimum, consist of four 1004 Hz Loss Tests per transmission path, four C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The Additional Tests as set forth in (II) following may be ordered by the customer, at additional charges, 60 days prior to the start of the customer prescribed schedule. The customer also may specify a more frequent schedule of tests 60 days prior to the start of the customer prescribed schedule.

<u>To First Point of Switching</u>	<u>USOC</u>	<u>Monthly Rates</u>
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(I) Basic Tests #

1004 Hz Loss Tests
 performed within a
 one year period,
 per test ordered,
 per transmission
 path

UBSX+ \$1.00

(N)

Subject to a one year minimum contract period, and annually thereafter.

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services (Cont'd)

8.3.2 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(c) Cooperative Scheduled Testing (CST) (Cont'd)

<u>To First Point of Switching</u>	<u>USOC</u>	<u>Monthly Rates</u>
(I) Basic Tests # (Cont'd)		
C-Message Noise Tests performed within a one year period, per test ordered, per transmission path	UBSX+	\$0.85
Return Loss (Balance) Tests performed within a one year period, per test ordered, per transmission path	UBSX+	1.70
(II) Additional Tests		
Gain-Slope Tests performed within a one year period, per test ordered, per transmission path	UBSX+	1.30

(N)

Subject to a one year minimum contract period, and annually thereafter.

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services (Cont'd)

8.3.2 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(c) Cooperative Scheduled Testing (CST) (Cont'd)

<u>To First Point of Switching</u>	<u>USOC</u>	<u>Monthly Rates</u>
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(II) Additional Tests (Cont'd)

C-Notched Noise Tests performed within a one year period, per test ordered, per transmission path	UBSX+	\$0.85
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(III) Example

A customer schedules 6 1004 Hz Loss Tests, 6 C-Message Noise Tests and 4 Return Loss Tests on one trunk for a year. The charges will be computed as follows:

6 x 1.00 =	\$ 6.00
+6 x .85 =	5.10
+4 x 1.70 =	<u>6.80</u>
	\$17.90 per month, per trunk

(N)

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services (Cont'd)

8.3.2 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(d) Manual Scheduled Testing (MST)

The three tests as set forth in (I) following represent the minimum offering, i.e., an order for testing must, at a minimum, consist of four 1004 Hz Loss Tests per transmission path, four C-Message Noise Tests per transmission path and one Return Loss (Balance) Test per transmission path, per year. The Additional Tests as set forth in (II) following may be ordered by the customer, at additional charges, 60 days prior to the start of the customer prescribed schedule. The customer also may specify a more frequent schedule of tests 60 days prior to the start of the customer prescribed schedule.

<u>To First Point of Switching</u>	<u>USOC</u>	<u>Monthly Rates</u>
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(I) Basic Tests #

1004 Hz Loss Tests
 performed within a
 one year period,
 per test ordered,
 per transmission
 path

UBMX+ \$1.43

(N)

Subject to a one year minimum contract period, and annually thereafter.

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services (Cont'd)

8.3.2 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(d) Manual Scheduled Testing (MST) (Cont'd)

	<u>To First Point of Switching</u>	<u>USOC</u>	<u>Monthly Rates</u>
(I)	Basic Tests # (Cont'd)		
	C-Message Noise Tests performed within a one year period, per test ordered, per transmission path		
		UBMX+	\$1.27
	Return Loss (Balance) Tests performed within a one year period, per test ordered, per transmission path		
		UBMX+	2.76
(II)	Additional Tests		
	Gain-Slope Tests performed within a one year period, per test ordered, per transmission path		
		UBMX+	2.09

(N)

Subject to a one year minimum contract, and annually thereafter.

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services (Cont'd)

8.3.2 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(d) Manual Scheduled Testing (MST) (Cont'd)

<u>To First Point of Switching</u>	<u>USOC</u>	<u>Monthly Rates</u>
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(II) Additional Tests (Cont'd)

C-Notched Noise Tests
performed within a
one year period,
per test ordered,
per transmission
path

UBMX+

\$1.27

(III) Example

See (c) (III) preceding.

(N)

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services (Cont'd)

8.3.2 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(e) Nonscheduled Testing (NST)

Automatic Testing:

<u>To First Point of Switching</u>	<u>USOC</u>	<u>Nonrecurring Charges</u>
1004 Hz Loss, per test performed	USCX+	\$ 27.52
C-Message Noise, per test performed	USCX+	27.52
Return Loss (Balance) per test performed	USCX+	27.52
Gain-Slope per test performed	USCX+	27.52
C-Notched Noise, per test performed	USCX+	27.52

(N)

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services (Cont'd)

8.3.2 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(e) Nonscheduled Testing (NST) (Cont'd)

Cooperative Testing:

<u>Testing Periods</u>	<u>USOC</u>	<u>First Half Hour or Fraction Thereof</u>	<u>Each Additional Half Hour or Fraction Thereof</u>
Basic Time, normally scheduled working hours#	USSX+	\$ 50.00*	\$ 50.00*
Overtime, outside of normally scheduled working hours on a scheduled work day#	USSX+	60.00*	60.00*
Premium Time, outside of scheduled work day#	USSX+	74.00*	74.00*

(N)

If more than one technician is involved with the same testing project, the total amount of time for all technicians involved will be aggregated prior to the distribution of time between the "First Half Hour or Fraction Thereof" and "Each Additional Half Hour or Fraction Thereof" rate categories.

* A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services (Cont'd)

8.3.2 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(1) Switched Access (Cont'd)

(e) Nonscheduled Testing (NST) (Cont'd)

Manual Testing:

<u>Testing Periods</u>	<u>USOC</u>	<u>First Half Hour or Fraction Thereof</u>	<u>Each Additional Half Hour or Fraction Thereof</u>
Basic Time, normally scheduled working hours#	USMX+	\$ 50.00*	\$ 50.00*
Overtime, outside of normally scheduled working hours on a scheduled work day#	USMX+	60.00*	60.00*
Premium Time, outside of scheduled work day#	USMX+	74.00*	74.00*

(N)

If more than one technician is involved with the same additional testing project the total amount of time for all technicians involved will be aggregated prior to the distribution of time between the "First Half Hour or Fraction Thereof" and "Each Additional Half Hour or Fraction Thereof" rate categories.

* A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services (Cont'd)

8.3.2 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(2) Special Access

(a) Additional Cooperative Acceptance Testing (ACAT)

<u>Testing Periods</u>	<u>USOC</u>	<u>First Half Hour or Fraction Thereof</u>	<u>Each Additional Half Hour or Fraction Thereof</u>
Basic Time, normally scheduled working hours#	SNTX+	\$ 50.00*	\$ 50.00*
Overtime, outside of normally scheduled working hours on a scheduled work day#	SNTX+	60.00*	60.00*
Premium Time, outside of scheduled work day#	SNTX+	74.00*	74.00*

(N)

If more than one technician is involved with the same testing project, the total amount of time for all technicians involved will be aggregated prior to the distribution of time between the "First Half Hour or Fraction Thereof" and "Each Additional Half Hour or Fraction Thereof" rate categories.

* A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

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8. Additional Engineering, Additional Labor and Miscellaneous Services (Cont'd) (N)

8.3 Miscellaneous Services (Cont'd)

8.3.2 Testing Services (Cont'd)

(C) Rates and Charges (Cont'd)

(2) Special Access (Cont'd)

(b) Nonscheduled Testing (NST)

<u>Testing Periods</u>	<u>USOC</u>	<u>First Half Hour or Fraction Thereof</u>	<u>Each Additional Half Hour or Fraction Thereof</u>	
Basic Time, normally scheduled working hours#	SNOX+	\$ 50.00*	\$ 50.00*	
Overtime, outside of normally scheduled working hours on a scheduled work day#	SNOX+	60.00*	60.00*	
Premium Time, outside of scheduled work day#	SNOX+	74.00*	74.00*	(N)

If more than one technician is involved with the same testing project, the total amount of time for all technicians involved will be aggregated prior to the distribution of time between the "First Half Hour or Fraction Thereof" and "Each Additional Half Hour or Fraction Thereof" rate categories.

* A call-out of a Company employee at a time not consecutive with the employee's scheduled work period is subject to a minimum charge of four hours.

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