

ACCESS SERVICE

7. Special Access Service

7.1 General

Special Access Service provides a transmission path to connect customer designated premises*, either directly or through a Utility Hub where bridging or multiplexing functions are performed, or to connect a customer designated premises to an EIS point of termination. Special Access includes SONET Ring and Access Service[@], OC-192 (N) Dedicated SONET Ring Service and all exchange access not utilizing Utility end office switches.

The connections provided by Special Access Service can be either analog or digital. Analog connections are differentiated by spectrum and bandwidth. Digital connections are differentiated by bit rate.

7.1.1 Channel Types

There are several types of channels used to provide Special Access Services. Each type has its own characteristics. All are subdivided by one or more of the following:

- Transmission specifications,
- Bandwidth,
- Speed (i.e., bit rate),
- Spectrum

* Utility Centrex CO-like switches and ports included in Public Packet Switching (PPS) service[#], BITS Timing Clocks, as well as Primary Rate IS, are considered to be customer premises for purposes of administering regulations and rates contained in this tariff.

Frozen/Grandfathered Service effective October 12, 2004. See General Regulations, Schedule Cal.P.U.C. No. 175-T, Section 2.1.4, (F).

@ Frozen/Grandfathered SONET Ring and Access Service effective June 30, 2006, pending CPUC Resolution. See General Regulations, Schedule Cal.P.U.C. No. 175-T, Section 2.1.4, (F). (N)
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7. Special Access Service

7.1 General

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Frozen/Grandfathered Service effective October 12, 2004. See General Regulations, Schedule Cal.P.U.C. No. 175-T, Section 2.1.4, (F).

** Public Packet Switching service withdrawn July 1, 2012. (N)

@ Frozen/Grandfathered SONET Ring and Access Service effective June 30, 2006, pending CPUC Resolution. See General Regulations, Schedule Cal.P.U.C. No. 175-T, Section 2.1.4, (F).

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

Customers can order a basic channel and select, from a list of available transmission parameters and channel interfaces, those that they desire to meet specific communications requirements.

For purposes of ordering channels, each has been identified as a type of Special Access Service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. For example, if a customer's equipment is capable of transmitting voice over a channel that is identified as a Metallic Service in this tariff, there is no restriction against doing so.

Following is a brief description of each type of channel:

Metallic* - a channel for the transmission of low speed varying signals at rates up to 30 baud.

Telegraph Grade** - a channel for the transmission of binary signals at rates of 0 to 75 baud or 0 to 150 baud.

Voice Grade - a channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz.

Program Audio - a channel for the transmission of audio signals. The nominal frequency bandwidths are from 50 to 8000 Hz, from 50 to 15000 Hz, from 100 to 5000 Hz or from 200 to 3500 Hz.

Video - a channel for the transmission of standard 525 line/60 field monochrome or National Television Systems Committee color video signal and one to four associated 5 (C)
or 15 KHz audio signals. The bandwidth for a video channel is either 30 Hz to 4.5 MHz or 30 Hz to 6.6 Mhz. Or, a (N)
digital broadband pipe of uncompressed video and audio at a rate of 270 Mbps. (N)

* Limited Offering Service provided only to existing customers and services working as of January 1, 1995. See General Regulations 2.1.4, (C) preceding.

** Frozen/Grandfathered Service provided only to existing customers and services working as of the effective date of Advice Letter No. 18405. Additions, deletions, moves, or changes will result in complete disconnection of the service. See General Regulations 2.1.4, (E) preceding.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

Customers can order a basic channel and select, from a list of available transmission parameters and channel interfaces, those that they desire to meet specific communications requirements.

For purposes of ordering channels, each has been identified as a type of Special Access Service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. For example, if a customer's equipment is capable of transmitting voice over a channel that is identified as a Metallic Service in this tariff, there is no restriction against doing so.

Following is a brief description of each type of channel:

Metallic* - a channel for the transmission of low speed varying signals at rates up to 30 baud.

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Voice Grade - a channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz.

(D)
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(D)

Video - a channel for the transmission of standard 525 line/60 field monochrome or National Television Systems Committee color video signal and one to four associated 5 or 15 KHz audio signals. The bandwidth for a video channel is either 30 Hz to 4.5 MHz or 30 Hz to 6.6 Mhz. Or, a digital broadband pipe of uncompressed video and audio at a rate of 270 Mbps.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

Digital Data - a channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6 or 56.0 kbps.

Advanced Digital Network - a channel for the digital transmission of synchronous serial data at the fixed speeds of 2.4, 4.8, 9.6, 19.2, 56, 64 Kbps and 1.544 Mbps. Also variable speed bands of 1.2 to 38.4 Kbps and 1.2 to 64.0 Kbps.*

High Capacity - a channel for the transmission of isochronous serial digital data at rates of 1.544, 3.152, 6.312, 44.736 or 274.176 Mbps.

SONET Ring and Access Service[#] - a channel for the transmission (N) of synchronous or asynchronous data at the rates of 1.5, 45, 155 and 622 Mbps or 2.4 Gbps, 100 Mbps and 1 Gbps.

GigaMANSM - a channel for the transmission of one-way digital signals at 1 Gbps.

Dedicated OC-192 SONET Ring Service - is a 9.953 Gbps transport Service. OC-192 is designed for transport of lower speed optical services, e.g., OC-3 or OC3c, OC-12 or OC-12c, OC-48 or OC-48c, and 1 Gbps. (D)

Optical Carrier Network (OCN), Point to Point service, designed for transport of synchronous data at the rates of 155.52 Mbps, 622.08 Mbps, 2488.32 Mbps and 9953.28 Mbps.

Multi-service Optical Network Ring service - designed for the physical transport of multiple data signals utilizing each of these wavelengths represents a transmission channel (T) in the MON Ring system and is protocol independent of every other channel in the system, as set forth in Schedule Cal.P.U.C. No. D12.

Detailed descriptions of each of the channel types are provided in 7.2 following.

* Provided only to existing customers and services working as of January 1, 1995.

Frozen/Grandfathered SONET Ring and Access Service effective June 30, 2006, pending CPUC Resolution. See General Regulations, Schedule Cal.P.U.C. No. 175-T, Section 2.1.4, (F). (N)
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(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

Digital Data - a channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6 or 56.0 kbps.

Advanced Digital Network - a channel for the digital transmission of synchronous serial data at the fixed speeds of 2.4, 4.8, 9.6, 19.2, 56, 64 Kbps and 1.544 Mbps. Also variable speed bands of 1.2 to 38.4 Kbps and 1.2 to 64.0 Kbps.*

High Capacity - a channel for the transmission of isochronous serial digital data at rates of 1.544, 3.152, 6.312, 44.736 or 274.176 Mbps.

SONET Ring and Access Service[#] - a channel for the transmission of synchronous or asynchronous data at the rates of 1.5, 45, 155 and 622 Mbps or 2.4 Gbps, 100 Mbps and 1 Gbps.

GigaMANSM - a channel for the transmission of one-way digital signals at 1 Gbps.

Dedicated OC-192 SONET Ring Service - is a 9.953 Gbps transport Service. OC-192 is designed for transport of lower speed optical services, e.g., OC-3 or OC3c, OC-12 or OC-12c, OC-48 or OC-48c, and 1 Gbps.

Optical Carrier Network (OCN), Point to Point service, designed for transport of synchronous data at the rates of 155.52 Mbps, 622.08 Mbps, 2488.32 Mbps and 9953.28 Mbps.

Multi-service Optical Network Ring service - designed for the physical transport of multiple data signals utilizing each of these wavelengths represents a transmission channel in the MON Ring system and is protocol independent of every other channel in the system, as set forth in Schedule Cal.P.U.C. No. D12.@ (N)

Detailed descriptions of each of the channel types are provided in 7.2 following.

* Provided only to existing customers and services working as of January 1, 1995.

Frozen/Grandfathered SONET Ring and Access Service effective June 30, 2006, pending CPUC Resolution. See General Regulations, Schedule Cal.P.U.C. No. 175-T, Section 2.1.4, (F).

@ Effective December 1, 2012, MON Ring Service is Grandfathered and limited to customers with existing service. For additional information see Schedule Cal. P.U.C. No. D12.2, Limited Offer. (N)
(N)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

FibreMANSM - a channel for the transmission of one-way digital signals at a data rate of 1 Gbps or 2 Gbps.

OC-3, OC-12, OC-48 Dedicated SONET Ring Service provides dedicated bandwidth capacity over a self-healing ring for a single customer for the purpose of transporting the customer's data over a dedicated network. (N)

The customer also has the option of ordering digital High Capacity or Fiber AdvantageSM facilities (i.e., 1,544 Mbps, 3.152 kbps, 6.312 Mbps, 44.736 Mbps and 274.176 Mbps) to a Utility Hub for multiplexing to individual channels of a lower capacity bandwidth. Descriptions of the types of multiplexing available at the Hubs, as well as the number of individual channels which may be derived from each type of facility, are set forth in 7.2 following. Additionally, the customer may specify optional features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the optional features and functions available are also set forth in 7.2 following. (T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

(D)

(D)

OC-3, OC-12, OC-48 Dedicated SONET Ring Service provides dedicated bandwidth capacity over a self-healing ring for a single customer for the purpose of transporting the customer's data over a dedicated network.

The customer also has the option of ordering digital High Capacity or Fiber AdvantageSM facilities (i.e., 1,544 Mbps, 3.152 kbps, 6.312 Mbps, 44.736 Mbps and 274.176 Mbps) to a Utility Hub for multiplexing to individual channels of a lower capacity bandwidth. Descriptions of the types of multiplexing available at the Hubs, as well as the number of individual channels which may be derived from each type of facility, are set forth in 7.2 following. Additionally, the customer may specify optional features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the optional features and functions available are also set forth in 7.2 following.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Rate Categories

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

- Channel Terminations (described in 7.1.3, (A) following) (T)
- Channel Mileage (described in 7.1.3, (B) following) (T)
- SONET Ring and Access Services* (N)
- Optional Features and Functions (described in 7.1.3, (E) following) (T)
- OC-192 Dedicated SONET Ring Service
- Optical Carrier Network (OCN) Point to Point Service

In addition, a Special Access Surcharge may apply, as set forth in 7.4.2 following.

(A) Channel Termination/Local Distribution Channel

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, if any. The signaling capability itself is provided as an optional feature as set forth in 7.1.4 following. One Channel Termination charge applies per customer designated premises at which the channel is terminated. This charge will apply even if the customer designated premises and the serving wire center are collocated in a Utility building. Channel Termination and Local Distribution Channel may be used interchangeably. (T)

* Frozen/Grandfathered SONET Ring and Access Service effective June 30, 2006, pending CPUC Resolution. See General Regulations, Schedule Cal.P.U.C. No. 175-T, Section 2.1.4, (F). (D)
(D)
(N)
(N)

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ACCESS SERVICE

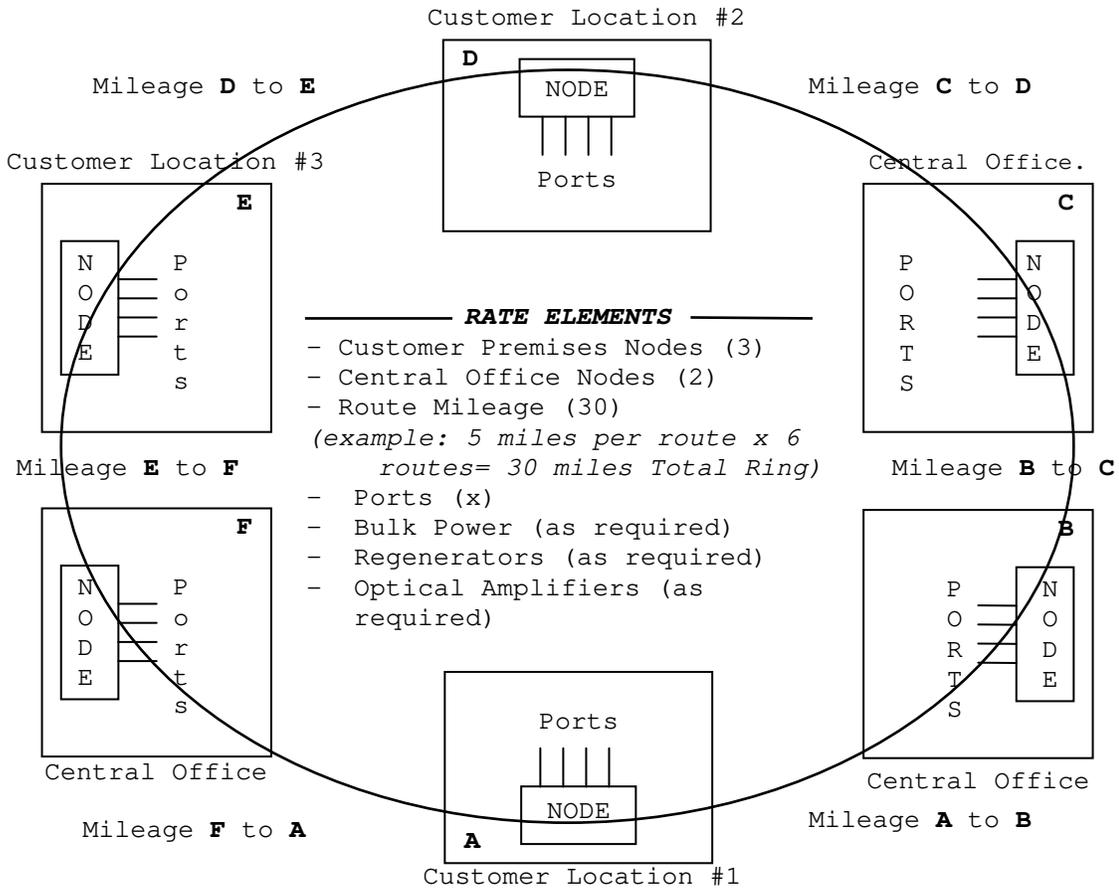
7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.4 Service Configurations (Cont'd)

(E) Multi-service Optical Network Ring Service (MON)*

(N)



* For additional information regarding Multi-service Optical Network (MON) Ring service, refer to Schedule Cal.P.U.C. No. D12, Special Access Service, MON Ring Service.

(N)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.8 Acceptance Testing

At no additional charge, the Utility will, at the customer's request, cooperatively test at the time of installation, the following parameters:

- (A) For Voice Grade analog services, acceptance tests will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, and C-message noise when these parameters are applicable and specified in the order for service. Additionally, for Voice Grade Services, a balance (improved return loss) test will be made if the customer has ordered the improved loss optional feature.
- (B) For other analog services (i.e., Metallic, Telegraph, Program Audio, Video, Wideband Analog, and Wideband Data) and for digital services (i.e., Digital Data and High Capacity), acceptance tests will include tests for the parameters applicable to the service as specified in the order for service.

In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade Service to test other parameters, as described in Section 13.3.5(B) following, is available at the customer's request. All tests results will be made available to the customer upon request.

Acceptance testing will be performed at the Utility's local loop demarcation point. The Utility may perform additional testing on the customer's side of the local loop demarcation point at the customer's request and expense.

(N)
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(N)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.9 Ordering Options and Conditions

Special Access Service is ordered under the Access Order provisions set forth in Section 5. preceding. Also included in that section are other charges which may be associated with ordering Special Access Service (e.g., Service Date Change Charges, Cancellation Charges, etc.).

Certain Special Access Services may be offered to a customer through a Sales Agency Program as set forth in Schedule Cal.P.U.C. Nos. A2.1.1, Rule 1 - Definition of Terms. See also, A2.3 - Form, Network Services Marketing Agreement, Form No. UE 0028. The services available under a Sales Agency Program are:

(T)

- Advanced Digital Network (ADN)
- Digital Data Service (DDS)*
- High Capacity Service (HCS)

(T)

* Limited Offering Service as of January 1, 1995. See 2.1.4, (C) preceding for description.

(N)

(N)

(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.11 Term Offering for High Capacity Service (1.544 Mbps)

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(A) Description

The Utility will waive the nonrecurring charge for a High Capacity Service (1.544 Mbps) channel termination in areas where the Utility has existing and available fiber facilities between the customer's serving wire center and the customer's premises location. In order to determine whether suitable facilities are available, a service inquiry is initiated through a Utility business office.

(B) Regulations

- (1) The 1.544 Mbps channel termination will be installed and nonrecurring charges waived only at the customer premises where the High Capacity service terminates and facilities permit. All other charges will incur the applicable rates and charges as stated in the tariff.
- (2) The customer is required to retain the service for a minimum period of two years (24 months) from the installation date.
- (3) The customer may make changes, except a disconnection, to the service during the two year minimum period at the applicable tariffed rates and charges.
- (4) If at any time during the two year (24 months) minimum period following installation, the service is disconnected as a result of a customer request or disconnection of the customer's service in accordance with the Utility's applicable tariffs, the customer will be charged a portion of the nonrecurring charges waived at the time of installation. Each month the customer retains the service the termination liability will be reduced by 1/24th of the nonrecurring rate in effect at the time of installation.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions

For the purposes of ordering, these are the categories of Special Access Service:

Metallic (MT)*	Program Audio (AP)	
Telegraph Grade (TG)#	Video (TV)	
Voice Grade (VG)	Digital Data (DA)*	
- Universal WATS Access Line (UWAL)	Advanced Digital Network (ADN)	
- Private Virtual Network Access Line (PVNAL)	High Capacity (HC)	
Optical Carrier Network (OCN) Point to Point Service	SONET Ring and Access Service®	
FibreMAN® Service	GigaMAN® Service	(T)
OC-3, OC-12 and OC-48	OC-192 Dedicated SONET Ring Service	
Dedicated SONET Ring Service	Multi-service Optical Network Point to Point Service	(T)
	Multi-service Optical Network Ring Service	(N)
		(N)

Each service consists of a basic channel to which a technical specifications package (customized or predefined), channel interface and when desired optional features and functions are added to construct the service desired by the customer. Each of the components of the service are described in this section. Technical limitations may exist that affect the provisioning of services as shown in 7.2.1 and 7.2.2, depending on the availability of equipment and facilities. The Utility will provide reasonable notification to the customer of any limitations that materially affect the operating characteristics of the special access service. (See Section 2.1.7 for information concerning changes and substitutions.)

Customized technical specifications packages will be provided where technically feasible. If the Utility determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

* Limited Offering Service provided only to existing customers and services working as of January 1, 1995. See Section 2.1.4 General Regulations preceding. Existing service arrangements will be maintained up to and including the Utility's local loop demarcation point. Work activity beyond the Utility's local loop demarcation point is the responsibility of the customer at the customer's expense.

Frozen/Grandfathered Service available only to customers and services working as of the effective date of Advice Letter No. 18405. Additions, deletions, moves, or changes will result in complete disconnection of the service. See General Regulations 2.1.4, (E) preceding.

@ Frozen/Grandfathered SONET Ring and Access Service effective June 30, 2006, pending CPUC Resolution. See General Regulations, Schedule Cal.P.U.C. No. 175-T, Section 2.1.4, (F).

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions

For the purposes of ordering, these are the categories of Special Access Service:

Metallic (MT) *	Program Audio (AP)	
Telegraph Grade (TG) #	Video (TV)	
Voice Grade (VG)	Digital Data (DA) *	
- Universal WATS Access Line (UWAL)	Advanced Digital Network (ADN)	
- Private Virtual Network Access Line (PVNAL)	High Capacity (HC)	
Optical Carrier Network (OCN) Point to Point Service	SONET Ring and Access Service®	
FibreMAN® Service	GigaMAN® Service	
OC-3, OC-12 and OC-48	OC-192 Dedicated SONET Ring Service	
Dedicated SONET Ring Service	Multi-service Optical Network Point to Point Service	
	Multi-service Optical Network Ring Service**	(N)

Each service consists of a basic channel to which a technical specifications package (customized or predefined), channel interface and when desired optional features and functions are added to construct the service desired by the customer. Each of the components of the service are described in this section. Technical limitations may exist that affect the provisioning of services as shown in 7.2.1 and 7.2.2, depending on the availability of equipment and facilities. The Utility will provide reasonable notification to the customer of any limitations that materially affect the operating characteristics of the special access service. (See Section 2.1.7 for information concerning changes and substitutions.) (T)

Customized technical specifications packages will be provided where technically feasible. If the Utility determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order. (T)

* Limited Offering Service provided only to existing customers and services working as of January 1, 1995. See Section 2.1.4 General Regulations preceding. Existing service arrangements will be maintained up to and including the Utility's local loop demarcation point. Work activity beyond the Utility's local loop demarcation point is the responsibility of the customer at the customer's expense.

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@ Frozen/Grandfathered SONET Ring and Access Service effective June 30, 2006, pending CPUC Resolution. See General Regulations, Schedule Cal.P.U.C. No. 175-T, Section 2.1.4, (F).

** MON Ring Grandfathered effective December 1, 2012. See Schedule Cal.P.U.C. No. 12.2, Limited Offer. (N)
(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions

For the purposes of ordering, these are the categories of Special Access Service:

Metallic (MT) *	Program Audio (AP)
Telegraph Grade (TG) #	Video (TV)
Voice Grade (VG)	Digital Data (DA) *
- Universal WATS Access Line (UWAL)	Advanced Digital Network (ADN)
- Private Virtual Network Access Line (PVNAL)	High Capacity (HC)
Optical Carrier Network (OCN) Point to Point Service	SONET Ring and Access Service [®]
	GigaMAN [®] Service
	OC-192 Dedicated SONET Ring Service
	Multi-service Optical Network Point to Point Service (D)
OC-3, OC-12 and OC-48	Multi-service Optical Network Ring Service**
Dedicated SONET Ring Service	

Each service consists of a basic channel to which a technical specifications package (customized or predefined), channel interface and when desired optional features and functions are added to construct the service desired by the customer. Each of the components of the service are described in this section. Technical limitations may exist that affect the provisioning of services as shown in 7.2.1 and 7.2.2, depending on the availability of equipment and facilities. The Utility will provide reasonable notification to the customer of any limitations that materially affect the operating characteristics of the special access service. (See Section 2.1.7 for information concerning changes and substitutions.)

Customized technical specifications packages will be provided where technically feasible. If the Utility determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

* Limited Offering Service provided only to existing customers and services working as of January 1, 1995. See Section 2.1.4 General Regulations preceding. Existing service arrangements will be maintained up to and including the Utility's local loop demarcation point. Work activity beyond the Utility's local loop demarcation point is the responsibility of the customer at the customer's expense.

Frozen/Grandfathered Service available only to customers and services working as of the effective date of Advice Letter No. 18405. Additions, deletions, moves, or changes will result in complete disconnection of the service. See General Regulations 2.1.4, (E) preceding.

@ Frozen/Grandfathered SONET Ring and Access Service effective June 30, 2006, pending CPUC Resolution. See General Regulations, Schedule Cal.P.U.C. No. 175-T, Section 2.1.4, (F).

** MON Ring Grandfathered effective December 1, 2012. See Schedule Cal.P.U.C. No. 12.2, Limited Offer.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions

For the purposes of ordering, these are the categories of
Special Access Service:

Metallic (MT)*		(D)
Telegraph Grade (TG)#	Video (TV)	
Voice Grade (VG)	Digital Data (DA)*	
- Universal WATS Access Line (UWAL)	Advanced Digital Network (ADN)	
- Private Virtual Network Access Line (PVNAL)	High Capacity (HC)	
Optical Carrier Network (OCN) Point to Point Service	SONET Ring and Access Service@ GigaMAN® Service	
OC-3, OC-12 and OC-48 Dedicated SONET Ring Service	OC-192 Dedicated SONET Ring Service	
	Multi-service Optical Network Point to Point Service	
	Multi-service Optical Network Ring Service**	

Each service consists of a basic channel to which a technical specifications package (customized or predefined), channel interface and when desired optional features and functions are added to construct the service desired by the customer. Each of the components of the service are described in this section. Technical limitations may exist that affect the provisioning of services as shown in 7.2.1 and 7.2.2, depending on the availability of equipment and facilities. The Utility will provide reasonable notification to the customer of any limitations that materially affect the operating characteristics of the special access service. (See Section 2.1.7 for information concerning changes and substitutions.)

Customized technical specifications packages will be provided where technically feasible. If the Utility determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

* Limited Offering Service provided only to existing customers and services working as of January 1, 1995. See Section 2.1.4 General Regulations preceding. Existing service arrangements will be maintained up to and including the Utility's local loop demarcation point. Work activity beyond the Utility's local loop demarcation point is the responsibility of the customer at the customer's expense.

Frozen/Grandfathered Service available only to customers and services working as of the effective date of Advice Letter No. 18405. Additions, deletions, moves, or changes will result in complete disconnection of the service. See General Regulations 2.1.4, (E) preceding.

@ Frozen/Grandfathered SONET Ring and Access Service effective June 30, 2006, pending CPUC Resolution. See General Regulations, Schedule Cal.P.U.C. No. 175-T, Section 2.1.4, (F).

** MON Ring Grandfathered effective December 1, 2012. See Schedule Cal.P.U.C. No. 12.2, Limited Offer.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

When a customized channel is ordered the customer will be notified whether Additional Engineering Charges apply. In such cases, the customer will be given an estimate of the hours to be billed before any further action is taken on the order.

(L)

The channel description specifies the characteristics of the basic channel and indicates whether the channel is provided between customer designated premises or between a customer designated premises and a Utility Hub where bridging or multiplexing functions are performed.

(L)

(L) Formerly on sheet 249.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

The Utility will maintain existing transmission specifications on services installed prior to the effective date of this tariff except that the existing services with performance specifications exceeding the standard listed in this provision will be maintained at the performance levels specified in this tariff. All services installed after September 6, 1988 will conform to the transmission specification standards contained in the following Technical References for each category of service:

Metallic*	PUB	TR-NPL-000336	
Telegraph Grade [#]	PUB	TR-NPL-000336	
Voice Grade	PUB	TR-NWT-000335	
	PUB	41004, and L-7800042-PB/NB	
- WATS Access Line Service		GR-334-CORE	
- Universal WATS Access Line Service		GR-334-CORE	
- Private Virtual Network Access Line Service	PUB	GR-334-CORE	
Program Audio	PUB	TR-NPL-000337	
Video	PUB	AM-TR-NIS-000137, L720026PB/NB	(C)
Digital Data*	PUB	TR-NWT-000341	
	PUB	MDP-326-726	
Advanced Digital Network High Capacity	PUB	L-780036-PB	
	PUB	62508	
		L-780059-PB/NB	
- IntraLATA Voice Grade Private Line Service	PUB	TR-NWT-000965 and L-780029-PB	
- Data Communications Using Local Area Data Channel	PUB	MDP-326-986	
- SONET Ring and Access Service [@]	PUB	L-780046PB/NB	
GigaMAN SM	PUB	AM-TR-NIS-000104	

* Limited Offering Services - See General Regulations 2.1.4, (C) preceding. Provided only to existing customers and services working as of January 1, 1995. Existing service arrangements will be maintained up to and including the Utility's local loop demarcation point. Work activity beyond the Utility's local loop demarcation point is the responsibility of the customer at the customer's expense.

Frozen/Grandfathered Service - See General Regulations 2.1.4, (E) preceding.

@ Frozen/Grandfathered SONET Ring and Access Service effective June 30, 2006, pending CPUC Resolution. See General Regulations, Schedule Cal.P.U.C. No. 175-T, Section 2.1.4, (F).

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

The Utility will maintain existing transmission specifications on services installed prior to the effective date of this tariff except that the existing services with performance specifications exceeding the standard listed in this provision will be maintained at the performance levels specified in this tariff. All services installed after September 6, 1988 will conform to the transmission specification standards contained in the following Technical References for each category of service: (Cont'd)

OC-n Dedicated SONET Ring Service	PUB PUB	AM TR-NIS-000111 AM TR-TMO-000101	(T)
Optical Carrier Network (OCN) Point to Point Service	PUB PUB	AM-TR-NIS-000111 AM-TR-TMO-000101	(T)
Multi-service Optical Network, Point to Point service	PUB	AM TR-NIS-000100 AM TR-NIS-000104 AM-TR-NIS-000111 AM-TR-TMO-000101 AM-TR-TMO-000080 AM-TR-MIS-000077 IEEE 802.3 AM-TR-NIS-000096 AM-TR-NIS-000107 IBM SA22-7202-XX IBM SA23-0394-XX ANSI X3.T9.3 NSI/IEEE 802.3 IEEE 802.3x and z ANSI/SMPTE 259M)	
Multi-service Optical Ring Network Service (MON Ring)	PUB	AM TR-NIS-000100 AM TR-NIS-000104 AM-TR-NIS-000111 AM-TR-TMO-000101 AM-TR-TMO-000080 AM-TR-NIS-000096 AM-TR-NIS-000107 IBM SA22-7202-XX IBM SA23-0394-XX ANSI X3.T9.3 ANSI/IEEE 802.3 IEEE 802.3x and z IEEE 802.3ae ANSI/SMPTE 259M)	

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

The Utility will maintain existing transmission specifications on services installed prior to the effective date of this tariff except that the existing services with performance specifications exceeding the standard listed in this provision will be maintained at the performance levels specified in this tariff. All services installed after September 6, 1988 will conform to the transmission specification standards contained in the following Technical References for each category of service: (Cont'd)

OC-n Dedicated SONET Ring Service	PUB PUB	AM TR-NIS-000111 AM TR-TMO-000101	
Optical Carrier Network (OCN) Point to Point Service	PUB PUB	AM-TR-NIS-000111 AM-TR-TMO-000101	
Multi-service Optical Network, Point to Point service	PUB	AM TR-NIS-000100 AM TR-NIS-000104 AM-TR-NIS-000111 AM-TR-TMO-000101 AM-TR-TMO-000080 AM-TR-MIS-000077 IEEE 802.3 AM-TR-NIS-000096 AM-TR-NIS-000107 IBM SA22-7202-XX IBM SA23-0394-XX ANSI X3.T9.3 NSI/IEEE 802.3 IEEE 802.3x and z ANSI/SMPTE 259M)	
Multi-service Optical Ring Network Service (MON Ring)*	PUB	AM TR-NIS-000100 AM TR-NIS-000104 AM-TR-NIS-000111 AM-TR-TMO-000101 AM-TR-TMO-000080 AM-TR-NIS-000096 AM-TR-NIS-000107 IBM SA22-7202-XX IBM SA23-0394-XX ANSI X3.T9.3 ANSI/IEEE 802.3 IEEE 802.3x and z IEEE 802.3ae ANSI/SMPTE 259M	(N)

* Effective December 1, 2012, MON Ring Service is Grandfathered and limited to (N) customers with existing service. For additional information see Schedule Cal. P.U.C. No. D12.2, Limited Offer. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

The Utility will maintain existing transmission specifications on services installed prior to the effective date of this tariff except that the existing services with performance specifications exceeding the standard listed in this provision will be maintained at the performance levels specified in this tariff. All services installed after September 6, 1988 will conform to the transmission specification standards contained in the following Technical References for each category of service: (Cont'd)

(N)

FibreMANSM Service

PUB

SBC TP-76412-00
ANSI X3.230

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

(D)

(D)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service

(A) Basic Channel Description

A Voice Grade channel is a channel which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. Voice Grade channels are provided between customer designated premises, between a customer designated premises and a Utility Hub or between a customer designated premises or Utility Hub and an EIS POT.

(T)
 (C)
 (C)

(B) Technical Specifications Packages

Parameter	Package VG-												
	C*	1	2	3	4	5	6	7	8	9	10	11	12
Attenuation													
Distortion	X	X	X	X	X	X	X	X	X	X	X	X	X
C-Message Noise	X	X	X	X	X	X	X	X	X	X	X	X	X
Echo Control	X	X	X	X		X		X	X			X	X
Envelope Delay													
Distortion	X						X	X	X	X	X	X	X
Frequency Shift	X						X	X	X	X	X	X	X
Impulse Noise	X					X	X	X	X	X	X	X	X
Intermodulation													
Distortion	X						X	X	X	X	X	X	
Loss Deviation	X	X	X	X	X	X	X	X	X	X	X	X	X
Phase Hits, Gain Hits, and Dropouts	X												
Phase Jitter	X						X	X	X	X	X	X	
Signal-to-C													
Message Noise					X								
Signal-to-C													
Notch Noise	X					X	X	X	X	X	X	X	X

- The desired parameters are selected by the customer from the list of available parameters.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

(T)

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

The following table shows the technical specifications packages with which the optional features and functions are available for IntraLATA Private Line Service.

(N)

	Available with Technical Specifications Package VG-			
	<u>C</u>	<u>32</u>	<u>33</u>	<u>36</u>
Conditioning				
C-Type				
C1	X	X	X	X
C2	X	X	X	X
C4	X	X	X	X
C5	X	X	X	X
Protective Relaying (C6)	X		X	
RTOC	X	X	X	
Central Office Bridging				
Capability	X	X	X	
Central Office Multiplexing	X			
Customer Specified Premises				
Receive Level	X			
Data Capability	X		X	
Sealing Current Conditioning	X			
Selective Signaling Arrangement	X			
Signaling Capability	X	X	X	
Switching Capability	X	X	X	X
Telephoto Capability	X			
Transfer Arrangement	X			

(N)

Material omitted now on Sheet 265-B.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.4 Program Audio Service

(T)

(A) Basic Channel Description

A Program Audio channel is a channel measured in Hz for the transmission of a complex signal voltage. The actual bandwidth is a function of the channel interface selected by the customer. Only one-way transmission is provided. Program Audio channels are provided between customer designated premises or between a customer designated premises and a Utility Hub.

(B) Technical Specifications Packages

<u>Parameter</u>	<u>Package AP-</u>				
	<u>C*</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Actual Measured Loss	X	X	X	X	X
Amplitude Tracking	X				
Crosstalk	X	X	X	X	X
Distortion Tracking	X				
Gain/Frequency					
Distortion	X	X	X	X	X
Group Delay	X				
Noise	X	X	X	X	X
Phase Tracking	X				
Short-Term Gain					
Stability	X				
Short-Term Loss	X				
Total Distortion	X	X	X	X	X

The technical specifications are delineated in Technical Reference PUB 62503 and associated Addendum.

(C) Network Channel Interfaces

The following network channel interfaces (NCIs) define the bandwidths that are available for a Program Audio channel:

* The desired parameters are selected by the customer from the list of available parameters.

(T)

Material on this sheet formerly in different form on Sheets 331 through 340. Material omitted now in different form on Sheets 255 through 265.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.4 Program Audio Service (Cont'd)

(T)

(C) Network Channel Interfaces (Cont'd)

CI	<u>Bandwidth</u>
PG-1	Nominal frequency from 50 to 15000 Hz
PG-3	Nominal frequency from 200 to 3500 Hz
PG-5	Nominal frequency from 100 to 5000 Hz
PG-8	Nominal frequency from 50 to 8000 Hz

Compatible network channel interfaces are set forth in the Technical References listed in 7.2.4(B) preceding.

(D) Optional Features and Functions

(1) Central Office Bridging Capability

Distribution Amplifier

(2) Gain Conditioning

Control of 1004 Hz AML at initiation of service to 0dB ± 0.5 dB.

(3) Stereo

Provision of a pair of gain/phase equalized channels for stereo applications. (Additional AP channel must be ordered separately.)

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

	<u>Available with Technical Specifications Package AP-</u>				
	<u>C</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Central Office Bridging Capability	X	X	X	X	X
Gain Conditioning	X	X	X	X	X
Stereo	X				X

(T)

Material on this sheet formerly in different form on Sheets 331 through 340.
 Material omitted now in different form on Sheets 255 through 265.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video Service

(A) Basic Channel Description

A Video channel is a channel with one-way transmission capability for a standard 525 line/60 field monochrome, or National Television Systems Committee color, video signal and one or more associated audio signal(s) as described below.

(C)
(C)
(D)
|
(D)

The provision and the bandwidth of the associated audio signal(s) is a function of the channel interface selected by the customer. Video channels are provided between customer designated premises, between a customer designated premises and a Utility Hub, between an EIS Point of Termination and a customer premises, or between a Utility Hub and an EIS Point of Termination.

(1) Analog Video Service

The bandwidth for analog video service is either 30 Hz to 4.5 Mhz or 30 Hz to 6.6 Mhz. The associated audio signal(s) may be either diplexed or provided as one to four separate channels.

(N)
(T)
|
(T)
(C)

(2) Advanced Video Service

(a) Reserved

(N)
(N)

Material omitted in different form on Sheet 271.
Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video Service

(A) Basic Channel Description

A Video channel is a channel with one-way transmission capability for a standard 525 line/60 field monochrome, or National Television Systems Committee color, video signal and one or more associated audio signal(s) as described below.

The provision and the bandwidth of the associated audio signal(s) is a function of the channel interface selected by the customer. Video channels are provided between customer designated premises, between a customer designated premises and a Utility Hub, between an EIS Point of Termination and a customer premises, or between a Utility Hub and an EIS Point of Termination.

(1) Analog Video Service

Analog Video Service provides one-way transmission of video signals between two customer-designated premises or between a customer-designated premises and a Utility Hub, where available, using fiber optic facilities. An NTSC video channel provides a standard 525 line/60 field monochrome, or NTSC color video signal, with up to four (4) associated 20 kHz audio signals. The bandwidth for Analog Video Service is 30 Hz to 6.6 MHz.

(T)
|
(T)

Analog Video Service is provided where facilities are available. Where facilities are not available, Special Construction may apply.

(N)
|
(N)

(2) Advanced Video Service

(a) Reserved

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video Service

(A) Basic Channel Description

A Video channel is a channel with one-way transmission capability for a standard 525 line/60 field monochrome, or National Television Systems Committee color, video signal and one or more associated audio signal(s) as described below.

The provision and the bandwidth of the associated audio signal(s) is a function of the channel interface selected by the customer. Video channels are provided between customer designated premises, between a customer designated premises and a Utility Hub, between an EIS Point of Termination and a customer premises, or between a Utility Hub and an EIS Point of Termination.

(1) Analog Video Service* (C)

Analog Video Service provides one-way transmission of video signals between two customer-designated premises or between a customer-designated premises and a Utility Hub, where available, using fiber optic facilities. An NTSC video channel provides a standard 525 line/60 field monochrome, or NTSC color video signal, with up to four (4) associated 20 kHz audio signals. The bandwidth for Analog Video Service is 30 Hz to 6.6 MHz.

Analog Video Service is provided where facilities are available. Where facilities are not available, Special Construction may apply.

(2) Reserved (T)
(D)

* Effective December 31, 2020, Analog Video Service is Frozen/Grandfathered (N)
per General Regulations, Section 2.1.4 (F). The Company currently plans to |
discontinue this Service on or after December 31, 2021. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video Service (Cont'd)

(A) Basic Channel Description (Cont'd)

(c) AVS-270

(D)

(D)

AVS-270, is a standard based serial digital video transport for the limited purpose of providing one-way transport of high quality digital video signals and audio signals. AVS-270 is not intended to provide transport of any other data.

(N)

The following network interfaces are supported:

- ANSI/Society of Motion Picture and Television Engineers (SMPTE 259M)
- Serial Data Transport Interface (SDTI - SMPTE 305M)
- Digital Video Broadcasting-Asynchronous Serial Interface (DVB-ASI - EN 50083-9)

The customer is responsible for combining multiple MPEG programs streams into a single transport stream and encapsulating this into a 270 Mbps DVB-ASI format.

The bit rate for AVS-270 is 270 Mbps.

(N)

AVS-270 is provided as a point to point service which may route through a Utility-designated Video Service Hub for use with Service Through-Connect to facilitate 2 customers being billed for parts of one Video Service as described in Section 7.2.5, following. The ability to transport DVB-ASI is available on a point to point basis, or through a designated Video Service Hub where available.

(N)

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video Service (Cont'd)

(B) Technical Specifications Package

The technical specifications are set forth in Technical
Reference AM-TR-NIS-000137 and L-720026-PB/NB.

(C)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video Service

(B)

(C) Network Channel Interfaces

Compatible channel interfaces are set forth in Technical
Reference AM-TR-NIS-000137 and L-720026-PB/NB.

(C)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video Service

(T)

(D) Optional Features and Functions

(N)

(1) NTSC Analog Interface - AVS-270

This optional feature interface is available with AVS-270 and provides customers with the ability to hand off a standard Analog Video TV-1 Service interface in a digital format.

(2) Virtual Studio - AVS-270

The Virtual Studio option is available with AVS-270 and provides customers with a collection of virtual enhancements that, at the option of the customer, could be included in their transport stream. A 1.544 Mbps data channel is available as part of the AVS-270 service. The data channel capability is available only where the customer has ordered the appropriate Channel Termination with video-enabling equipment.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video Service (Cont'd)

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

(3) Service Through-Connect - Analog Video Service and AVS-270

The Service Through-Connect allows for the interconnection of parts of a like service with like jurisdiction to form a complete two-point service at a Utility-designated Video Hub where two (2) different customers pay for their part of the service.

The ability to transport DVB-ASI is available on a point to point basis, or through a designated Video Service Hub where available.

(N)
|
(N)

Each customer will be responsible for ordering and paying for that part of the Video Service that begins at the point of termination at the customer's premises and ends at the Service Through-Connect. Additionally, the customer ordering the Service Through-Connect is responsible for paying for this feature and any other charges associated with the interconnection.

The customer ordering the Service Through-Connect must provide to the Utility any and all appropriate channel information and written letter of agency obtained from the other customer who is being interconnected.

Disconnecting any part of the service shall be deemed a disconnection of the entire service and termination charges shall apply, where applicable.

The customer that controls the Service Through-Connect shall be the primary customer of the service, including, but not limited to activities such as ordering service changes and reporting service outages.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video Service (Cont'd)

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

(3) Service Through-Connect - Analog Video Service and
Serial Component Video Service

(T)

The Service Through-Connect allows for the interconnection of parts of a like service with like jurisdiction to form a complete two-point service at a Utility-designated Video Hub where two (2) different customers pay for their part of the service.

The ability to transport DVB-ASI is available on a point to point basis, or through a designated Video Service Hub where available.

Each customer will be responsible for ordering and paying for that part of the Video Service that begins at the point of termination at the customer's premises and ends at the Service Through-Connect. Additionally, the customer ordering the Service Through-Connect is responsible for paying for this feature and any other charges associated with the interconnection.

The customer ordering the Service Through-Connect must provide to the Utility any and all appropriate channel information and written letter of agency obtained from the other customer who is being interconnected.

Disconnecting any part of the service shall be deemed a disconnection of the entire service and termination charges shall apply, where applicable.

The customer that controls the Service Through-Connect shall be the primary customer of the service, including, but not limited to activities such as ordering service changes and reporting service outages.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video Service (Cont'd)

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

- (3) Service Through-Connect - Analog Video Service* and (C)
Serial Component Video Service

The Service Through-Connect allows for the interconnection of parts of a like service with like jurisdiction to form a complete two-point service at a Utility-designated Video Hub where two (2) different customers pay for their part of the service.

The ability to transport DVB-ASI is available on a point to point basis, or through a designated Video Service Hub where available.

Each customer will be responsible for ordering and paying for that part of the Video Service that begins at the point of termination at the customer's premises and ends at the Service Through-Connect. Additionally, the customer ordering the Service Through-Connect is responsible for paying for this feature and any other charges associated with the interconnection.

The customer ordering the Service Through-Connect must provide to the Utility any and all appropriate channel information and written letter of agency obtained from the other customer who is being interconnected.

Disconnecting any part of the service shall be deemed a disconnection of the entire service and termination charges shall apply, where applicable.

The customer that controls the Service Through-Connect shall be the primary customer of the service, including, but not limited to activities such as ordering service changes and reporting service outages.

* Effective December 31, 2020, Analog Video Service is Frozen/Grandfathered (N)
per General Regulations, Section 2.1.4 (F). The Company currently plans to |
discontinue this Service on or after December 31, 2021. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Services (Cont'd)

(A) Digital Data Service* (Cont'd)

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

(c) Public Packet Switching (PPS) Interface# (T)
Arrangement

- An arrangement that provides the interface requirements that permit a Digital Data Service to interface with a Public Packet# Switching port located in a Utility premises. The interface is compatible with the X.75# packet switching protocol as defined by CCITT. (T)

(d) Secondary Channel

- Secondary Channel is an optional feature associated with a primary Digital Data Service channel(s). This offering will be provided with the new installation of Digital Data Service only, and must be ordered at the same time the primary channel(s) is ordered.

Secondary Channel describes a second, totally independent, lower speed channel operating in parallel with the primary channel of a Digital Data Access Service circuit.

* Limited Offering Service - Provided only to existing customers and services working as of January 1, 1995. See General Regulations 2.1.4, (C) preceding. Customers will be permitted to add or disconnect legs only.

Frozen/Grandfathered Service effective June 11, 2004. See General Regulations, Schedule Cal.P.U.C. Nos. A2.1.2, A.4 and D2.6, B. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Services (Cont'd)

(A) Digital Data Service* (Cont'd)

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

(c) Public Packet Switching (PPS) Interface#
Arrangement

- An arrangement that provides the interface requirements that permit a Digital Data Service to interface with a Public Packet# Switching port located

in a Utility premises. The interface is compatible with the X.75# packet switching protocol as defined by CCITT.

(d) Secondary Channel

- Secondary Channel is an optional feature associated with a primary Digital Data Service channel(s). This offering will be provided with the new installation of Digital Data Service only, and must be ordered at the same time the primary channel(s) is ordered.

Secondary Channel describes a second, totally independent, lower speed channel operating in parallel with the primary channel of a Digital Data Access Service circuit.

* Limited Offering Service - Provided only to existing customers and services working as of January 1, 1995. See General Regulations 2.1.4, (C) preceding. Customers will be permitted to add or disconnect legs only.

Frozen/Grandfathered Service effective June 11, 2004. See General Regulations, Schedule Cal.P.U.C. Nos. A2.1.2, A.4 and Guidebook, Part 2, Section 2. (T)
(T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Services

(B) Advanced Digital Network[#]

(1) Basic Channel Description

Advanced Digital Network service provides full duplex four-wire transmission of synchronous serial data at the fixed rate of 2.4, 4.8, 9.6, 19.2, 56.0 64.0 Kbps and 1.544* Mbps. Customer speed selectability will be provided when ordered as variable@. There are two variable speed bands; (1) 1.2 to 38.4 Kbps which include digital rates of 1.2, 2.4, 4.8, 9.6, 19.2, 32.0 and 38.4 Kbps, (2) 1.2 to 64.0 Kbps which include digital rates of 1.2, 2.4, 4.8, 9.6, 19.2, 32.0, 38.4 and 64.0 Kbps. Variable speed selection will allow the customer to change bit rate without issuing an order through the Utility. The actual bit rate is a function of Utility equipment and the channel interface selected by the customer. Synchronous timing is provided by the Utility through the Utility's facilities to the customer in the received bit stream. Advanced Digital Network services are provided between customer designated premises through Serving Wire Centers, or through a Utility Advanced Digital Network Hub or between a customer designated premises, or Utility Hub, and an EIS POT. 1.544* Mbps service is only available via Utility designated Advanced Digital Network Hubs. (T)

Advanced Digital Network Service connected to Access Advantage Plus is only offered between customer designated presence and not a carrier point of presence.

The customer will provide the Network Channel Terminating Equipment compatible with Advanced Digital Network service at the customer premises.

Advanced Digital Network may be terminated on a channel port of Access Advantage Plus as found in Schedule Cal.P.U.C. No. D6.

@ Provided only to existing customers and services working as of January 1, 1995. Not available with Access Advantage Plus.

* Regulations, Rates and Charges for 1.544 Mbps service are set forth in 7.2.8(C) and 7.5.8(C) following.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Services

(B) Advanced Digital Network[#]

(1) Basic Channel Description

Advanced Digital Network service provides full duplex four-wire transmission of synchronous serial data at the fixed rate of 2.4, 4.8, 9.6, 19.2, 56.0 64.0 Kbps and 1.544* Mbps. Customer speed selectability will be provided when ordered as variable@. There are two variable speed bands; (1) 1.2 to 38.4 Kbps which include digital rates of 1.2, 2.4, 4.8, 9.6, 19.2, 32.0 and 38.4 Kbps, (2) 1.2 to 64.0 Kbps which include digital rates of 1.2, 2.4, 4.8, 9.6, 19.2, 32.0, 38.4 and 64.0 Kbps. Variable speed selection will allow the customer to change bit rate without issuing an order through the Utility. The actual bit rate is a function of Utility equipment and the channel interface selected by the customer. Synchronous timing is provided by the Utility through the Utility's facilities to the customer in the received bit stream. Advanced Digital Network services are provided between customer designated premises through Serving Wire Centers, or through a Utility Advanced Digital Network Hub or between a customer designated premises, or Utility Hub, and an EIS POT. 1.544* Mbps service is only available via Utility designated Advanced Digital Network Hubs.

Advanced Digital Network Service connected to Access Advantage Plus is only offered between customer designated presence and not a carrier point of presence.

The customer will provide the Network Channel Terminating Equipment compatible with Advanced Digital Network service at the customer premises.

Advanced Digital Network may be terminated on a channel port of Access Advantage Plus as found in Guidebook, Part 6, Section 7. (T)

@ Provided only to existing customers and services working as of January 1, 1995. Not available with Access Advantage Plus.

* Regulations, Rates and Charges for 1.544 Mbps service are set forth in 7.2.8(C) and 7.5.8(C) following.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Services (Cont'd)

(B) Advanced Digital Network (Cont'd)

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

(c) Network Control and Diagnostics

Network Control and Diagnostics will provide the ability for the customer to accomplish such tasks as monitoring and isolation testing.

Network Control and Diagnostics is only available with variable speed selection. All terminations in a circuit must be similarly equipped.

(d) Network Reconfiguration Service*

Network Reconfiguration Service will allow the customer or SBC technician to make changes in the individual circuit segments of their network. These changes can be mapped and stored, and executed automatically based on time of day, or the customer can make on demand changes based on disaster recovery or traffic smoothing requirements. (N)

There are two alternatives that will allow a customer to access the circuits in their Network Reconfiguration Service database; (1) Client RAS or (2) Client VPN. (N)

(D)
|
(D)

*Applicable to 1.544 Mbps service set forth in 7.2.8 (C) following.

(D)
(D)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Services (Cont'd)

(B) Advanced Digital Network (Cont'd)

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

(d) Network Reconfiguration Service (Cont'd)

(1) Client RAS (Remote Administrator Software) is a dial-up configuration. Using a toll free 8XX number and a SecureID card, the NRS customer is allowed partitioned access to their NRS database for the purpose of making changes within their ADN network. (N)

(2) Client VPN (Virtual Private Networking) access can be granted to a customer who has dedicated Internet access. Utilizing specific software provided by the Utility in addition to the SecureID card, the customer can access their NRS database for the purpose of making changes within their ADN network. (N)

One rate elements shall apply per DS0, DS1 or DS3 channel termination in the Digital Cross Connect machine. (N)
(D)
(D)

In addition, the customer must separately order the transport service DS0, DS1, DS3 required to connect the customer designated premises to the Port location at a Utility Serving Wire Center. (N)
(T)

The customers may order terminations that terminate at the Digital Cross-Connect Switch as part of their overall end to end service.

All terminations on a circuit configuration for the customer's network to be capable of reconfiguration must be similarly equipped.

Material omitted now on Sheet 278-D-1.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Services (Cont'd)

(B) Advanced Digital Network (Cont'd)

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

(d) Network Reconfiguration Service (Cont'd)

In each of the above alternatives the customer
will supply the compatible Network Channel
Terminating Equipment designated in Technical
Reference PUB L-780036 at their premises. The
Utility will provide the Network Channel
Terminating Equipment at the Utility site.

(L)
|
(L)

(L) Formerly on Sheet 278-D.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Services (Cont'd)

(B) Advanced Digital Network (Cont'd)

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

(d) Network Reconfiguration Service (Cont'd) (T)

The customer is responsible for assigning and maintaining a record of all reconfigurations and access. The customer also agrees to provide the Utility with a central point of contact for inquiries, trouble reports and security management involving reconfiguration.

In addition to, and not limiting the other provisions contained in the Utility's tariffs, the Utility will not be responsible for any damage, loss or harm to Advanced Digital Network customers, and/or other Utility customers which results from customer and/or third party misuse, unauthorized use, abuse or error using Advanced Digital Network features and/or failure of the customer to adhere to the security policies, methods and tools associated with this product. Such policies, methods and tools will be provided by the Utility to the customer.

(e) Advanced Digital Network Channel Interface

An Interface which provides an ADN channel to connect to a 1.544 Mbps multiplexer to be transported on a separate 1.544 Mbps service. One channel Interface shall apply per channel.

(f) Central Office Multiplexing

An arrangement that converts a 56.0 kbps channel to subspeeds of up to twenty 2.4 kbps, ten 4.8 kbps, or five 9.6 kbps channels using digital time division multiplexing.*

* Available only on a channel of a 1.544 Mbps facility to a Utility ADN Hub. The Network Reconfiguration Service feature is not offered on this arrangement. (T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Services (Cont'd)

(B) Advanced Digital Network (Cont'd)

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

(g) Through-connect*

An arrangement that provides a customer the ability to connect two channels of two different 1.544 Mbps facilities terminating in the same digital cross-connect switch (DCS) in an ADN Hub. The two 1.544 Mbps facilities must be billed to the same customer. The customer must provide system and channel assignment data.

* Available only on a channel of a 1.544 Mbps facility to a Utility ADN Hub. The Network Reconfiguration Service feature is not offered on this arrangement. (T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Services (Cont'd)

(C) High Capacity Service

(1) Basic Channel Description

A High Capacity channel is a channel for the transmission of nominal 64.0 kbps* or 1.544, 3.152, 6.312, 44.736 (DS3, DS3x3 and DS3x12), or 274.176 Mbps isochronous serial data. The actual bit rate and framing format is a function of the network channel interface selected by the customer. DS3, DS3x3 and DS3x12 will be provided with or without Utility provided terminal equipment on the customer's premises. When a customer desires to furnish their own terminal equipment, the Utility will work cooperatively with the customer to provide a physical interface satisfactory to both parties. High Capacity channels are provided between customer designated premises through serving wire centers or between a customer designated premises and a Utility Hub or between a customer designated premises or Utility Hub, and an EIS POT. DS3x12 is only provided between a customer designated premises and the serving wire center serving that premises.

High Capacity service offerings are only available where facilities and operating conditions permit. Where facilities and/or operating conditions do not permit, Special Construction as set forth in Section 15 following shall apply.

(N)
|
(N)

* Available only as a channel of a 1.544 Mbps facility between two Utility Digital Data Hub or as a cross connect of two channels of two 1.544 Mbps facilities at a Digital Data Hub(s); or as a through-connect of two channels of two 1.544 Mbps facilities at an Advanced Digital Network Hub. The customer must provide system and channel assignment data.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Services (Cont'd)

(C) High Capacity Service

(1) Basic Channel Description

A High Capacity channel is a channel for the transmission of nominal 64.0 kbps* or 1.544, 3.152, 6.312, 44.736 (DS3, DS3x3 and DS3x12), or 274.176 Mbps isochronous serial data. The actual bit rate and framing format is a function of the network channel interface selected by the customer. DS3, DS3x3 and DS3x12 will be provided with or without Utility provided terminal equipment on the customer's premises. When a customer desires to furnish their own terminal equipment, the Utility will work cooperatively with the customer to provide a physical interface satisfactory to both parties. High Capacity channels are provided between customer designated premises through serving wire centers or between a customer designated premises and a Utility Hub or between a customer designated premises or Utility Hub, and an EIS POT. DS3x12 is only provided between a customer designated premises and the serving wire center serving that premises.

High Capacity service offerings are only available where facilities and operating conditions permit. Where facilities and/or operating conditions do not permit, Special Construction as set forth in Section 15 following shall apply.

Customer may not use Service for the purpose of transporting "NG 9-1-1" calls in the State of California. See AT&T California's Network and Exchange Services Schedule Cal.P.U.C. No. A, Section A21.

(N)
|
(N)

* Available only as a channel of a 1.544 Mbps facility between two Utility Digital Data Hub or as a cross connect of two channels of two 1.544 Mbps facilities at a Digital Data Hub(s); or as a through-connect of two channels of two 1.544 Mbps facilities at an Advanced Digital Network Hub. The customer must provide system and channel assignment data.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

(1) Basic Channel Description (Cont'd)

Channel mileage associated with High Capacity Service (L)
may be ordered at the 1.544 Mbps service level or as
Flexible High Capacity Channel Mileage available in
groups of 4 (256 Kbps.), 6 (384 Kbps.), 8 (512
Kbps.), 12 (768 Kbps.) and 24 (1.544 Mbps.) DS0
channels. Flexible High Capacity Channel Mileage is
available only as a B8ZS/Extended Superframe Format
service. Flexible High Capacity Channel Mileage
channels are contiguous within the network and can
be used to create a wideband circuit. These signals
remain separately formatted within the DS-1 signal.

Flexible High Capacity Channel mileage is available
between all wire center areas served by the utility
where suitable digital transmission facilities are
available. (L)

The customer may change from one Flexible High
Capacity Channel Mileage service arrangement to
another (e.g., the customer has an 8 channel
arrangement and increases to an 12 channel
arrangement, or has a 24 channel arrangement and
decreases to 8 channels). This option is only
available when the channel mileage was initially
ordered as Flexible High Capacity Channel Mileage.
A change in capacity charge will apply.

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

(L) Formerly on Sheet 279-A.
Material omitted now on Sheet 279-C.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

(3) Network Channel Interfaces

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

CI	Bit Rate
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 network channel interfaces are set forth in the Technical References listed in 7.2.8(C) (2) preceding.

(4) Optional Features and Functions

(a) Automatic Loop Transfer# (T)

The Automatic Loop Transfer provides protection on a 1xN basis against failure of the facilities between a customer designated premises and the wire center serving that premises. Protection is furnished through the use of a switching arrangement that automatically switches to a spare channel when a working channel fails. The spare channel is not included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer premises. The customer is responsible for providing the equipment at its premises. Equipment at the customer premises will be provided under tariff only if it existed in the Utility inventory as of November 18, 1983.

* A 64.0 kbps channel is available as a channel(s) of a 1.544 Mbps facility to a Utility Hub.

Provided only to existing customers and services working as of January 1, 1995. (N)
(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

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

(e) Central Office Multiplexing

- DS4 to DS1

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

- DS3 to DS1

There are two options available with this feature.

Option 1

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

Option 2

An arrangement that converts a 44.736 Mbps channel to up to 28 channels for use with DS1 service when Network Reconfiguration Service is requested (T) as set forth in 7.2.8 (B) preceding and 7.5.8 (B) following.

- DS2 to DS1

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

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

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

(e) Central Office Multiplexing (Cont'd)

- DS1C to DS

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

- DS1 to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel of this DS1 to the Hub can also be used for a Digital Data, Program Audio or Metallic Service.

(f) Synchronous Timing

Synchronous Timing utilizes a point to point DS1 service that connects from a Utility BITS timing clock to another customer premises or an EIS arrangement that must be located within the same serving wire center as the BITS timing clock. Synchronous Timing is solely used for network synchronization via a master timing supply. Synchronous Timing is available only where facilities and equipment are available.

(N)

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

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

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

	<u>Available with Technical Specifications Package HC-</u>					
	<u>0</u>	<u>1</u>	<u>1C</u>	<u>2</u>	<u>3</u>	
	<u>3x3</u>	<u>4</u>				
Automatic Loop Transfer@	X					
Central Office Multiplexing:						
DS4 to DS1						X
DS3 to DS1				X		
- Opt.1				X	X	
- Opt.2				X	X	
DS2 to DS1				X		
DS1C to DS1		X				
DS1 to Voice Transfer Arrangement@		X				
Network Reconfiguration Service*			X			X (T)
Advanced Digital Network Interface Arrangement		X				
High Capacity Service Interface Arrangement			X			
Synchronous Timing			X			

@ Provided only to existing customers and services working as of January 1, 1995.

* Applicable regulations, rates and charges are set forth in 7.2.8(B) preceding and 7.5.8(B) following.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 OC-192 Dedicated SONET Ring Service

(A) General Description

(1) Basic Service Description

OC-192 Dedicated SONET Ring Service[#] is a 9.953 Gbps transport Service. OC-192 is designed for transport of lower speed optical services, e.g., DS-3, OC-3 or OC3c, OC-12 or OC12c, and OC-48* or OC48c*. The dedicated ring is designed to provide increased reliability and functionality by connecting multiple customer locations and specified Utility Serving Wire Centers via self-healing Bi-directional Line Switched Rings (BLSR). OC-192 is a logical extension of existing SONET products and services OC-3, OC-3c, OC-12, OC12c, OC48*, OC48c*.

The dedicated ring can connect multiple (between 2 and 16) customer-designated locations and Utility Serving Wire Centers, as described in 7.2.10, (1) (B) following, where SONET facilities and equipment are available.

Rate elements include nodes, ports, mileage, regenerators, and add/drop capability. Rates are specified in 7.5.12 following.

The SONET add/drop multiplexer aggregates lesser bit speed services onto the dedicated ring configuration. Synchronous Transport Signal-level 1 (STS1) at 51 Mbps is the basic SONET technology building block. Electrical signals in the form of digital pulses are converted to Optical Carrier rates (OC-n) for transmission on fiber optics. Connecting facilities carry synchronous and asynchronous transmissions. The service includes enhanced survivability and network management per SONET (Synchronous Optical Network) technology.

All service configurations have one working and one standby transmission path. In the event of a failure of the customer's transmission path, SONET technology will protection switch, within 50 milliseconds of detection, to a dedicated standby path.

OC-192 Dedicated SONET Ring service and its features are (N)
available only where facilities and operating conditions permit. (N)

* OC-48/OC-48c riding service is available only to customers purchasing OC-192 Dedicated SONET Ring service and is limited to Customer Premises to Customer Premise Port to port orders. OC-48/OC-48c service cannot be extended beyond the Customer location nodes. OC-48/OC-48c riding service will not be available immediately.

OC-192 Dedicated SONET Ring is available via Self-Healing Uni-Directional Path Switched Rings (UPSR) or Bi-Directional Line Switched Ring (BLSR).

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 OC-192 Dedicated SONET Ring Service (Cont'd)

(A) General Description (Cont'd)

(1) Basic Service Description (Cont'd)

Re-Map Node

(N)

A Re-Map node is a customer premises ring node that is pre-equipped and dedicated to the Dedicated SONET Ring customer's traffic which is re-mapped/re-routed to the Re-Map Node by the Utility upon notification by the customer of a service outage at another customer premises node on the same dedicated ring. Re-Map is designed as a temporary service for disaster recovery purposes only. No "normal" customer traffic will be added/dropped at the Re-Map node unless the Re-Map service is activated.

The emergency Re-Map activation configuration will be maintained for up to 30 days, after which, if the customer requests to continue the use of the Re-Mapped configuration, the emergency activation nonrecurring charge as set forth in Section 7.5.12, (I) following, will be applied once for each 30-day additional period.

Upon notification from the customer that they are ready to receive signals at the Re-Map node site the Utility will Re-Map up to 50 lower bit rate transmission services within the initial four hours and 20 lower bit rate transmission services every hour thereafter. The emergency activation nonrecurring charges as set forth in 7.5.12, (I) following will not be applied if the first 50 lower bit rate transmission services are not re-mapped within four hours due to a Utility caused delay.

Re-Map testing and activation for OC-192 Dedicated Ring service requires a minimum of one DS1 (VT1.5) or DS3 (STS-1) between one customer premises node and the Re-Map node.

Re-Map Node is currently not offered on Bi-Directional Line Switched Ring (BLSR).

EC-1 (Electrical Carrier Level 1) Interface

The EC-1 service interface is implemented as a standardized SONET electrical service interface as specified in Section 5 of ANSI T1.416.03-1999. The EC-1 interface provides the capability for connecting one SONET STS-1 signal across a SONET electrical service interface to a Utility provided Optical Carrier Network (OCN) Point to Point or Utility provided Dedicated SONET Ring service. The STS-1 signal connecting across an EC-1 interface may only contain: a) one DS3 circuit mapped into the SONET STS-1 signal payload, or b) one STS-1 circuit, without constraint as to payload mapping. Offered as Customer Premises port termination, and as a CO termination where facilities and/operating conditions permit on Dedicated SONET Ring service.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 OC-192 Dedicated SONET Ring Service (Cont'd)

(A) General Description (Cont'd)

(1) Basic Service Description (Cont'd)

(D)

(D)

EC-1 (Electrical Carrier Level 1) Interface

The EC-1 service interface is implemented as a standardized SONET electrical service interface as specified in Section 5 of ANSI T1.416.03-1999. The EC-1 interface provides the capability for connecting one SONET STS-1 signal across a SONET electrical service interface to a Company provided Optical Carrier Network (OCN) Point to Point or Company provided Dedicated SONET Ring service. The STS-1 signal connecting across an EC-1 interface may only contain: a) one DS3 circuit mapped into the SONET STS-1 signal payload, or b) one STS-1 circuit, without constraint as to payload mapping. Offered as Customer Premises port termination, and as a CO termination where facilities and/operating conditions permit on Dedicated SONET Ring service.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.13 GigaMAN® Service

(A) General Description (T)

(1) Basic Service Description (T)

GigaMAN® (Gigabit Metro Area Network) Service is an intraLATA service providing transmission of digital signals at a discrete bit rate of 1 Gigabit per second (Gbps) in Ethernet format (Ethernet IEEE 802.3) between end-user customer premises. GigaMAN® is available in a point to point service configuration.

GigaMAN® service is only available where facilities and operating conditions permit. Where facilities and/or operating conditions do not permit, Special Construction as set forth in Section 15. following shall apply. (T)

(2) Regulations (T)

(a) The customer provided equipment (CPE) must deliver the data signal for the GigaMAN® transport within the industry specification for the subscribed data service. (T)

(b) GigaMAN® provides physical layer transport only. The Utility assumes no responsibility for the through transmission of signals generated by the customer's CPE, for the quality of, or defects in such transmission, for the reception of signals by the customer's CPE, or address signaling to the extent addressing is performed by the customer's CPE. Error detection and correction of data generated by the customer's CPE is the customer's responsibility. (T)

(c) GigaMAN® is designed to provide connectivity at the discrete bit rate of 1 Gbps. (T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.13 GigaMAN[®] Service (Cont'd)

(A) General Description (Cont'd) (T)

(2) Regulations (Cont'd) (T)

(d) GigaMAN[®] is available on one, two, three or five year Term Pricing Plan (TPP) offerings. (T)

(e) Out of service adjustments for credit allowances are set forth in Schedule Cal.P.U.C. No. 175-T, Section 2.4.4 preceding. (T)

(f) GigaMAN[®] is not available in a Meet Point billing configuration as set forth in Schedule Cal.P.U.C. 175-T, Sections 2.4.8 and 5.2.10. (T)

(g) Conversion from other services (e.g., Hicap DS1 1,544 Mbps, etc.) are not available with GigaMAN[®] service. (T)

(h) Regulations for moves of a GigaMAN[®] service are set forth in 7.4.16, (D) (2) following. (T)

(i) The Minimum period for GigaMAN[®] service is 12 months. (T)

(j) GigaMAN[®] service is not offered with guaranteed throughput thresholds. (T)

(k) A repeater (circuit regenerator) may be used to extend the transmission of GigaMAN[®] service. The Utility will determine when repeaters are necessary. Repeaters will be located in the Utility Serving Wire Center. (T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.13 GigaMAN[®] Service (Cont'd)

(A) General Description (Cont'd) (T)

(3) Optional Features (T)

(a) Diversity (T)

GigaMAN[®] service is offered with Diversity.
Diversity requires two GigaMAN[®] services purchased
by the same customer of record.* (D)

The customer premises locations for the two (N)
Diverse GigaMAN[®] services may differ respectively (N)
in A to Z locations for the two circuits and both
circuits must be served by the same type of
Utility equipment.

Diversity is only available to GigaMAN[®] customers
with service installed after November 13, 2003.
Customers with installations completed prior to
November 13, 2003 will not be able to order the
Diversity options on their GigaMAN[®] service.
Customers with the service installed prior to
November 13, 2003 who request Diversity, would be
required to convert their existing service per the
Rate Regulations set forth in 7.4.16, (2) (A) (T)
following.

GigaMAN[®] diversity (including Channel Termination (N)
Diversity, Alternate Wire Center Diversity and
Inter-Wire Center Diversity) may be configured to
be diverse from other eligible Access services as
determined by the Utility. (N)

* Alternate Wire Center Diversity does not require a second GigaMAN[®] circuit

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.13 GigaMAN® Service (Cont'd)

(A) General Description (Cont'd) (T)

(3) Optional Features (Cont'd) (T)

(b) Protection Options (Cont'd) (T)

Protection switching in less than 50 milliseconds will occur on GigaMAN® services with Protection options, with the exception of Power Protection which is not Switch protected. Protection options are offered with a Service Level Agreements (SLA) that target a service availability of 99.999%. SLAs are not applicable in the event of a cable cut in any unprotected portion of the GigaMAN® service fiber path or when customer requested modifications to the service requires downtime. (T)

GigaMAN® Protection options are offered as follows:

- Equipment Only Protection - Per Terminating End
- Equipment Plus Fiber Path Protection
 - Equipment Plus Alternate Wire Center Path Protection - Per Terminating End
 - Equipment Plus Channel Termination Path Protection - Per Terminating End
- Inter-Wire Center Path Protection - Per Interoffice Segment
- Power Protection

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.13 GigaMAN® Service (Cont'd)

(A) General Description (Cont'd) (T)

(3) Optional Features (Cont'd) (T)

(b) Protection Options (Cont'd) (T)

(iii) Inter-Wire Center Path Protection - Per Interoffice segment (T)

Inter-Wire Center Path Protection offers a duplicate GigaMAN® signal routed over two diversely routed fiber paths, between the two Utility Serving Wire Centers or a SWC and an Alternate Wire Center. Path protection starts at the nearest Utility manhole outside the Utility Serving Wire Center.

If any location(s) between the two fiber paths is closer than ten feet, the location(s) will be disclosed to the customer. The customer will determine to accept the engineered path or agree to pay Special Construction charges as set forth in Section 15. following to provide a completely diverse route where the ten foot allowance is not acceptable to the customer. (T)

All protected configurations have one working and one standby path. In the event of a failure of the transmission path, GigaMAN® equipment will switch to a dedicated standby path within 50 milliseconds of detection. In the event of a failure to both fiber transmission paths, an Out of Service condition will result. (T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.15 OC-3, OC-12 and OC-48 Dedicated SONET Ring Service

(A) Basic Service Description

OC-3, OC-12 and OC-48 Dedicated SONET Ring service provides dedicated bandwidth capacity over a self-healing ring for a single customer for the purpose of transporting the customer's data.

OC-3, OC-12 and OC-48 Dedicated SONET Ring is offered between customer's premises and Utility Serving Wire Centers (SWCs) and is provided where facilities and/or operating conditions exist. Where facilities and/or operating conditions do not exist, Special Construction charges, as set forth in Section 15, may apply.

The network is in a ring architecture, including sub-rings (or ARC sub-rings provisioned on appropriate Next Generation SONET equipment), designed to provide increased reliability and functionality.

(N)
|
(N)

A minimum of two nodes is required (excluding sub-ring nodes and ARC sub-ring nodes) and cannot exceed 16 nodes, including regenerators. At least one of the nodes must be located at the Utility SWC.

(T)
(N)

The Utility's service supports synchronous bandwidth capacities at OC-3 (155 Mbps), OC-12 (622 Mbps) and OC-48 (2.4 Gbps). The SONET add/drop multiplexer aggregates lesser bit speed services onto the dedicated ring configuration. Synchronous Transport Signal-level 1 (STS-1) at 51 Mbps is the basic SONET technology building block. Electrical signals in the form of digital pulses are converted to Optical Carrier rates (OC-n) for transmission on fiber optics.

Connecting facilities carry synchronous and asynchronous transmissions. The service includes enhanced survivability and network management per SONET (Synchronous Optical Network) technology.

All service configurations have one working and one standby transmission path. In the event of a failure of the customer's transmission path, SONET technology will protection switch, within 50 milliseconds of detection, to a dedicated standby path.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

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

(A) Basic Service Description (Cont'd)

The rate elements associated with OC-3, OC-12 and OC-48 Dedicated SONET Ring service are:

- Customers Premises and Central Office Nodes
- Ports that identify facility interfaces
- Mileage between the Serving Wire Centers (Central office Nodes)
- Regenerators
- Add/Drop Capability
- Optional Features

Upon request, OC-3, OC-12 and OC-48 Dedicated SONET Ring service may be placed upon diverse fiber facilities where available. Where facilities and/or operating conditions do not exist, Special Construction charges as set forth in Section 15, may apply.

Customers may choose to accept the Ring without Diversity (i.e., no dual entrance facility) or prior to cable diversity being available. In this situation out of service Credit Allowances as set forth in Section 2.4.4 are applicable.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.15 OC-3, OC-12 and OC-48 Dedicated SONET Ring Service (Cont'd)

(A) Basic Service Description (Cont'd)

(1) Nodes

Customers Premises Nodes and Central Office Nodes

Nodes aggregate lower bandwidth capacities onto the ring through use of the SONET add/drop multiplexer function. The CO Node is located in the Utility SWC; the Premises Node, at the customer's location. For ring nodes bandwidth capacities are 155 Mbps (OC-3), 622 Mbps (OC-12), and 2.4 Gbps (OC-48). A Ring must have a minimum of two nodes, excluding sub-rings and ARC sub-rings. One node must be located in the Utility SWC. A maximum of 16 nodes including regenerators will be allowed per ring. (N)

When a customer premises node is located in the same building as a CO Node, diversity between the two nodes may not be available.

Additional Node

If a customer requests and has installed two customer premises nodes of the same speed, on the same dedicated ring, at the same customer premises location, the additional node will be billed rates and charges as set forth in 7.5.15 following. The lower rate does not qualify when the additional node is located in another room or building from the first node. This option does not guarantee diversity between these two nodes and the rest of the ring.

Re-Map Node

A Re-Map node is a customer premises ring node that is pre-equipped and dedicated to the SONET Ring customer's traffic which is re-mapped/re-routed to the Re-Map Node by the Utility upon notification by the customer of a service outage at another customer premises node on the same dedicated ring. Re-Map is designed as a temporary service for disaster recovery purposes only. No "normal" customer traffic will be added/dropped at the Re-Map node unless the Re-Map service is activated.

An OC-12 or OC-48 Ring utilizing Re-Map requires an OC-3 or OC-3c Re-Map port and DS1 Re-Map Add/Drop Capability to support DS1 port types (an OC-3 or OC-3c Re-Map port and DS1 Re-Map Add/Drop Capability supports up to 84 DS1's).

The emergency Re-Map activation configuration will be maintained for up to 30 days after which, if the customer requests to continue the use of the Re-Mapped configuration, the emergency activation Nonrecurring charge as set forth in Section 7.5.15, (H) following will be applied once for each 30-day additional period.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.15 OC-3, OC-12 and OC-48 Dedicated SONET Ring Service (Cont'd)

(A) Basic Service Description (Cont'd)

(1) Nodes

Customers Premises Nodes and Central Office Nodes

Nodes aggregate lower bandwidth capacities onto the ring through use of the SONET add/drop multiplexer function. The CO Node is located in the Company SWC; the Premises Node, at the customer's location. For ring nodes bandwidth capacities are 155 Mbps (OC-3), 622 Mbps (OC-12), and 2.4 Gbps (OC-48). A Ring must have a minimum of two nodes, excluding sub-rings and ARC sub-rings. One node must be located in the Company SWC. A maximum of 16 nodes including regenerators will be allowed per ring. (T)

When a customer premises node is located in the same building as a CO Node, diversity between the two nodes may not be available. (T)

Additional Node

If a customer requests and has installed two customer premises nodes of the same speed, on the same dedicated ring, at the same customer premises location, the additional node will be billed rates and charges as set forth in 7.5.15 following. The lower rate does not qualify when the additional node is located in another room or building from the first node. This option does not guarantee diversity between these two nodes and the rest of the ring.

(D)

(D)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.15 OC-3, OC-12 and OC-48 Dedicated SONET Ring Service (Cont'd)

(A) Basic Service Description (Cont'd)

(1) Nodes (Cont'd)

Re-Map Node (Cont'd)

(N)

Upon notification from the customer that they are ready to receive signals at the Re-Map site the Utility will Re-Map up to 50 lower bit rate transmission services within the initial four hours and 20 lower bit rate transmission services every hour thereafter. The emergency activation nonrecurring charges as set forth in Section 7.2.15, (H) (j) following will not be applied if the first 50 lower bit rate transmission services are not re-mapped within four hours due to a Utility caused delay.

Re-Map testing or activation for OC-3 requires a minimum of one DS1 (VT1.5) or one DS3 (STS-1) between one customer premises node and the Re-Map node.

Re-Map testing or activation for OC-12 or OC-48 service requires a minimum incremental group from one to 28 or one DS3 (equals one STS-1) between one customer premises node and the Re-Map node.

OC-48 Dedicated SONET Ring is available via Self-Healing Uni-Directional Path Switched Ring or Self-Healing Bi-Directional Line Switched Ring. Re-Map is currently not offered on a Bi-Directional Line Switched Ring.

Re-Map testing or activation of OC-12 or OC-48 Dedicated SONET Ring service requires a minimum incremental group from one to 28 DS1s or one DS3 (equals STS-1) between one customer's premises node and the Re-Map node.

(N)

Flex Ring Node

Flex-Ring feature provides a second independent ring equal to the line rate (bandwidth) of the first ring, located on the same shelf on the same node(s) as the first ring.

Flex Ring Node allows a single customer the ability to add an additional ring of the same line rate. A Flex Ring Node is applicable to only one end user customer and the Flex Ring customer must be the same customer of record for the Dedicated SONET Ring. Flex Ring Node is offered on an OC-12 and OC-48 Dedicated SONET Ring and is limited to two rings (a primary and a secondary ring) per Flex Ring arranged. This feature will provide two rings from the same shelf.

A customer with the Flex Ring option must maintain equal parity on both rings (Primary and Flex). If the customer chooses to add or remove nodes from either Ring in the Flex ring option, but not on both rings, the customer forfeits the Flex Ring option and must purchase two separate Dedicated SONET Rings, and the Flex Ring option will be removed.

Material omitted now located on Sheet 283-L-11.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd))

7.2.15 OC-3, OC-12 and OC-48 Dedicated SONET Ring Service (Cont'd)

(A) Basic Service Description (Cont'd)

(1) Nodes (Cont'd)

Sub-Ring Node

(N)

A sub-ring node is a lower speed optical extension off a main ring. A sub-ring node traverses one or more main ring nodes via the use of OC-N port connections on and off the main ring. The primary use of sub-ring nodes is to provide the ability to fully utilize the bandwidth around the ring when the customer requires DS1/VT1.5 circuit paths.

An optional sub-ring node is available at OC-3 and OC-12 speeds from an OC-48 main ring and OC-3 speed from an OC-12 main ring. A sub-ring node may only connect to the main ring at the same or an adjacent main ring node. A sub-ring node may not connect directly to another sub-ring node.

Any service that enters the main ring via a port on a sub-ring node must also exit via a port on another sub-ring node (sub-ring on - sub-ring off). Cascading sub-rings are not permitted off a main ring. Service circuits may not be established between sub-ring nodes connecting to the same main ring node or between a sub-ring node and a port on the same main ring node to which it connects.

Each sub-ring must be implemented as an OC-M on an OC-N ring with full complement of STS-1s, STS-3s or STS-12s depending on the bandwidth of the sub-ring, appearing together at all associated sub-ring nodes on a given sub-ring.

Two OC-N ports and associated node charges apply for each sub-ring node connected to the main ring, as well as applicable mileage for the sub-ring.

A sub-ring node that is located on the same premises with a main ring node located at the customer's premises (for the same dedicated ring) will be billed as an "Additional Node" per 7.5.15, (A) following. A sub-ring is not available with a two-node main ring configuration. Sub-rings are only available where facilities and/or operating conditions permit as determined by the Utility.

Material omitted now located on Sheet 283-L-13.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.15 OC-3, OC-12 and OC-48 Dedicated SONET Ring Service (Cont'd)

(A) Basic Service Description (Cont'd)

(1) Nodes (Cont'd)

ARC Sub-Ring Node

ARC sub-ring nodes are only available on appropriate Next Generation SONET equipment. An ARC sub-ring node is a lower speed optical extension off a main ring. It connects to one main ring node via the use of OC-N port connections from and to a main ring. The primary use of ARC sub-ring nodes is to add other locations to the ring that will utilize minimal amounts of bandwidth from the main ring. ARC sub-rings are only available off of UPSR main rings. ARC sub-rings are only available where facilities and/or operating conditions permit as determined by the Utility.

An optional ARC sub-ring node is available at OC-3 and OC-12 speeds from an OC-48 main ring, and OC-3 speeds from an OC-12 main ring. An ARC sub-ring node may connect to the main ring at any main ring node.

Cascading ARC sub-rings are not permitted off a main ring. Services entering an ARC sub-ring node cannot drop from the directly connecting main ring node (hairpinning).

More than one ARC sub-ring may be added to a main ring. Each ARC sub-ring must be implemented as an OC-M on an OC-N ring with a full complement of STS-1s, STS-3s or STS-12s, depending on the bandwidth of the ARC sub-ring, appearing together at all associated ARC sub-ring nodes on a given ARC sub-ring.

Two OC-N ports apply for each ARC sub-ring connected to the main ring. A node charge applies for each ARC sub-ring location. Mileage charges are applicable when the ARC sub-ring is in a different location than the main ring. An ARC sub-ring which is co-located in the same room with a main ring node at the customer's premises (for the same dedicated ring) will be billed as an "Additional Node".

ARC sub-rings do not reduce bandwidth capacity of the main ring. As services are added to the main or ARC sub-ring, only the bandwidth capacity of the service is reduced.

(N)

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.15 OC-3, OC-12 and OC-48 Dedicated SONET Ring Service (Cont'd)

(A) Basic Service Description (Cont'd)

(1) Nodes (Cont'd)

ARC Sub-Ring Node (Cont'd)

(N)

ARC sub-rings can be provisioned in two basic configurations:

- Single-node, single-homed ARC
- Multi-node, single-homed ARC

Circuit traffic can be added/dropped from an ARC sub-ring node to another ARC sub-ring node within the same ARC (known as intra-ARC) or between ARCs (known as inter-ARC). Intra-ARC circuits can only be provisioned as unprotected, due to technical limitations. Circuit traffic can also originate on an ARC sub-ring node and route across and drop from a main ring node, but only when UPSR protection schemes are used.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.15 OC-3, OC-12 and OC-48 Dedicated SONET Ring Service (Cont'd)

(A) Basic Service Description (Cont'd)

(2) Add/Drop Capacity

(L)

OC-48 Add/Drop Capability

OC-48 Add/Drop Capability provides the capability to add/drop lower speed channels from an OC-48 Dedicated Ring node location via OC-12, OC-3 ports. OC-48 Add/Drop Capability at an OC-48 Dedicated Ring Service node location will support any combination of service traffic not to exceed 48 STS-1 equivalents.

The add/drop capability charge is applied only once per Node when the 25th DS3 port is applied per node.

Depending upon the combination of drops an OC-48 Add/Drop Capability may be required to drop the full capacity of the ring. When this occurs, the OC-48 Add/Drop Capability rate applies.

(T)

(L)

(L) Material formerly located on Sheet 283-L-12.
Material omitted now located on Sheet 283-L-14.

(N)

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.15 OC-3, OC-12 and OC-48 Dedicated SONET Ring Service (Cont'd)

(A) Basic Service Description (Cont'd)

(6) Optical to Electrical Add/Drop Capacity

Optical-to-Electrical Add/Drop Capacity DS1 allows an electrical DS1 to be derived from an optical OC-12 or OC-48 ring by using this capability to add/drop the electrical DS1 from an OC-3 port.

Rate regulations for Optical-to-Electrical Add/Drop Capacity are set forth in 7.4.18, (N) following.

(7) Dedicated Ring Regenerator

Regenerators provide essential detection and retransmission of SONET signals between nodes. Regenerators will only be provided as required by the Utility when actual fiber facility distances between nodes exceed inter-nodal design limits. Regenerators will be located exclusively in Utility SWCs and do not allow ports to access customer service connections.

(8) Dedicated Ring Connection Capacity

Maximum transport capacity of OC-3, OC-12 and OC-48 Dedicated Ring Service is characterized by the total quantity of individual port-to-port connections allowed between all nodes on the ring.

For OC-3 Dedicated Ring Service, the maximum ring capacity will be equal to one of the following combinations:

DS3 Port to DS3 Port Connections		DS1 Port to DS1 Port Connections
Three	and	None
Two	and	Up to 28
One	and	Up to 56
None	and	Up to 84

An OC-3 sub-ring (or ARC sub-ring) provided as part of an OC-12 (N) or OC-48 Dedicated SONET Ring service has a maximum capacity equal to one of the above combinations.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 OC-192 Dedicated SONET Ring Service (Cont'd)

(A) General Description (Cont'd) (T)

(7) Responsibility of the Utility (T)

The Utility will provision and maintain OC-192 Dedicated SONET Ring Service for the customer up to and including the Network Interface (NI) as set forth in Section 2.1.1 preceding. (N)

(8) Rights of the Utility (T)

The Utility will not provision OC-192 Dedicated SONET Ring Service if it has reasonably determined that (a) it is not technically feasible over existing facilities or (b) it will cause interference problems within the Utility's network or other facilities as set forth in Section 2.1 preceding. (N)

(9) Responsibility of Customer (T)

The customer is responsible for providing compatible customer provided equipment (CPE) that is used for connection to OC-192 Dedicated SONET Ring Service as set forth in Section 2.3 preceding. (N)

(B) Technical Specifications (T)

Technical specifications for OC-192 Dedicated SONET Ring Service are listed in the following Utility technical publications (TPs):

- AM TR-TMO-000101, Ameritech Digital Service Transmission Parameters for Performance
- AM TR-NIS-000111, Ameritech OC-3, OC-12, OC-48 and OC-192, issued August, 1995, Service Interface Specifications issued August, 1999
- TP-76-412-000, Contains interfaces for Ethernet over SONET (EOS)
- TP 76839 SONET Transmission Requirements Performance and Interface Specifications

These publications may be obtained from:

SBC Help Desk and Document Center (517) 788-6872

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 OC-192 Dedicated SONET Ring Service (Cont'd)

(D) Ethernet over SONET (EoS) (Cont'd)

Additional features are provided with the Ethernet over SONET (EoS) capability:*

(N)

Virtual Concatenation (VCAT) provides the ability and flexibility to size the customer's bandwidth (sub-rate VT1.5, sub-rate STS-1 and 3c service payloads) based on the customer's traffic requirements. For transport of payloads that do not fit efficiently into the standard set of VT1.5, STS-1 and SRS-Nc payload envelopes, virtual concatenation can be used.

(N)

7.2.11 Reserved

(L)

7.2.12 Reserved

(L)

* EoS port interfaces offered as 10/100BaseT are only available at the customer premises location.

(N)

(N)

(L) Formerly located on Sheet 283-J-1.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.13 GigaMAN[®] Service (Cont'd)

(B) Technical Specifications Packages

(T)

Technical specifications are set forth in the following technical references:

Ethernet Standards - SBC TP 76412-000

This publication may be obtained from:

Network Helpdesk & Documentation Center
517-788-6872

(C) Moves

(T)

Regulations regarding moves are set forth in Section 7.4.16 following.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

Ethernet Over SONET (EoS)

EoS allows the efficient transport of Ethernet frames using SONET. Ethernet Optical Add/Drop capability will be available in bandwidths up to 1 Gbps on an OCN Point-to-Point Service. As SONET bandwidths will be preset, the customer will be unable to transmit data beyond these preset SONET bandwidths.

(N)

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(E) Technical Specifications

The technical specifications for OC-3, OC-12 and OC-48 are specified in Section 7.2 preceding. In addition, the following technical reference also applies:

(N)

Network Channel and Network Channel Interface Codes
AM-TR-TMO-000080

(N)

These publications may be obtained from:

APEx Support Team (734) 523-7348

(T)

(F) Network Channel Interfaces

The network channel interfaces define the bit rates that are available for OC-3/OC-3c, OC-12/OC-12c and OC-48/OC-48c and OC-192 services operating at speeds of 155.52 Mbps, 622.08 Mbps, 2488.32 Mbps and 9953.28 Mbps, respectively. Network Channel interfaces and codes are described in the Technical Publication referenced in Section 7.2.

(G) Demarcation

Denotes the point (referred to as Demarcation Point or Network Interface) of interconnection between the Utility's facilities and the wiring at the subscriber's premises. The Demarcation Point shall consist of wire or a jack conforming to Subpart F of Part 68 of the F.C.C. Rules and Regulations.

(D)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.15 OC-3, OC-12 and OC-48 Dedicated SONET Ring Service (Cont'd)

(A) Basic Service Description (Cont'd)

(3) Ports (Cont'd)

Ethernet over SONET (EoS) requires that customers utilize certain settings for their Customer Provided Equipment (CPE). The Utility will work cooperatively with the customer to make sure that the customer utilizes the correct settings. In some cases customers may be required to make modifications (including upgrades) to their CPE, which will be entirely at the customer's expense. Failure to use these settings will result in service problems possibly leading to outages for which the customer will not hold the Utility liable.

Ethernet over SONET (EoS) throughputs may vary depending on the type of equipment used to provide the service. Certain protocols may not be available. Additional information on the settings that customers must utilize can be found in Technical Publication TP-76-412-000. EoS is available where facilities and/or operating conditions permit.

Additional features are provided with the Ethernet over SONET (EoS) capability:*

Virtual Concatenation (VCAT) provides the ability and flexibility to size the customer's bandwidth (sub-rate VT1.5, super-rate STS-1 and super-rate STS-3c service payloads) based on the customer's traffic requirements. For transport of payloads that do not fit efficiently into the standard set of VT1.5, STS-1 and SRS-Nc payload envelopes, virtual concatenation can be used.

* EoS port interfaces offered as 10/100BaseT are only available at the customer premises location.

(N)

(N)

(N)

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations

This section contains the specific regulations governing the rates and charges that apply for Special Access Service.

7.4.1 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: (T)

(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.

(B) Daily Rates

Daily rates are flat recurring rates that apply to each 24 hour period or fraction thereof that a Program Audio or Video Special Access Service is provided for part-time or occasional use. For purposes of applying daily rates, the 24 hour period is not limited to a calendar day. (T)

The application of daily rates for Program Audio and Video services during a consecutive 30 day period is as follows. Daily rates will be topped at an amount equal to the monthly rate (i.e., the charge to the customer for usage billed at daily rates will not exceed the monthly rate). For each day or part day of usage after the daily rates have been topped, a charge equal to 1/30th of the monthly rate will apply. (T)

Material on this sheet formerly in different form on Sheet 387.
Material omitted now in different form on Sheets 255 thru 265.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Special Access Service Surcharge

(A) General

In addition to the rates and charges described in 7.4.1 preceding, there is a monthly Surcharge of \$25.00 that applies to Voice Grade and equivalent Voice Grade Special Access Services (e.g., the surcharge for a High Capacity 1.544 would be \$600.00 or 24 x \$25.00). For multipoint services, the \$25.00 surcharge applies for each customer location on the service. This surcharge is to compensate the Utility for use of the local exchange network by Special Access Services that are classified as intrastate interLATA. (T)

(B) Exceptions to the Surcharge Application

Recognizing that not all services can utilize the local exchange network, certain uses of Special Access Service are exempt from the surcharge. Following is a listing of the exempt categories:

- (1) Any termination of an analog service that is used for television or program audio transmission.
- (2) Any termination of a service that is used for Telex service.
- (3) Any termination of a service that by nature of its operating characteristics could not make use of common lines.
- (4) Any termination of a service that is associated with Switched Access Service that is subject to Carrier Common Line Charges.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.3 Minimum Periods

Except as set forth following the minimum service period for all services is one month.

The minimum service period for part-time and occasional Video and Program Audio services is one day (i.e., a continuous 24-hour period not limited to a calendar day).

The minimum period for Video Payment Plans, GigaMANSM Term Pricing Plans, or Fiber AdvantageSM DS3 or DS3x3 service is a one year Rate Stability Payment Plan. (T)

The minimum period for Fiber AdvantageSM DS3x12 service is a 3 year Rate Stability Payment Plan. (T)

The minimum period for SONET Ring and Access Services* dedicated ring configuration is a 3 year Rate Stability Payment Plan. (N)

The minimum period for AVS-270 Video Service is 3 months.

* Frozen/Grandfathered SONET Ring and Access Service effective June 30, 2006, pending CPUC Resolution. See General Regulations, Schedule Cal.P.U.C. No. 175-T, Section 2.1.4, (F). (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.3 Minimum Periods

Except as set forth following the minimum service period for all services is one month.

The minimum service period for part-time and occasional Video service is one day (i.e., a continuous 24-hour period not limited to a calendar day). (D)

The minimum period for Video Payment Plans, GigaMANSM Term Pricing Plans, or Fiber AdvantageSM DS3 or DS3x3 service is a one year Rate Stability Payment Plan.

The minimum period for Fiber AdvantageSM DS3x12 service is a 3 year Rate Stability Payment Plan.

The minimum period for SONET Ring and Access Services* dedicated ring configuration is a 3 year Rate Stability Payment Plan.

The minimum period for Serial Component Video Service is 3 months. (T)

* Frozen/Grandfathered SONET Ring and Access Service effective June 30, 2006, pending CPUC Resolution. See General Regulations, Schedule Cal.P.U.C. No. 175-T, Section 2.1.4, (F).

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.7 Facility Hubs

A customer has the option of ordering Voice Grade facilities or digital high capacity facilities (i.e., DS1, DS1C, DS2, DS3 or DS4) to a facility Hub for channelizing to individual services requiring lower capacity facilities (e.g., Telegraph, Voice, Program Audio, etc.).

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 ordering the customer will specify the desired multiplexing Hub(s) selected from The National Exchange Carrier Association (NECA) Tariff F.C.C. No. 4, Section 16. For information on how to obtain copies of the NECA Tariff see Section 14 following. NECA 4 identifies the type(s) of multiplexing functions which are available and the serving wire centers at which they are available. (T) (N) (T)

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. For example, when a 1.544 Mbps facility is multiplexed to voice frequency channels, the transmission performance of the channelized services will be Voice Grade, not High Capacity.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.7 Facility Hubs (Cont'd)

Although not requiring multiplexing, the Utility will designate certain Hubs for Program Audio Services. Full-time service will be provided between a customer designated premises and a Hub and billed accordingly at the monthly rates set forth in 7.5.4 following for a Channel Termination, Optional Features and Functions, and Channel Mileage, as applicable. The customer may order part-time and occasional Program Audio services as needed between that Hub and a second customer designated premises. The rate elements required to provide the part-time or occasional service (i.e., Channel Termination, Optional Features and Functions, and Channel Mileage, as applicable) will be billed at daily rates for the duration of the service requested.

7.4.8 Shared Use Digital High Capacity Service, SONET Ring and Access service* and Optical Carrier Network (OCN) Point to Point Service (N)

Shared use occurs when Special Access Service and Switched Access Service 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, SONET rate element, OCN rate element, or as appropriate, OCN 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 (i.e., Switched or Special Access) nonrecurring charges will not apply to the individual channels of the shared use 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. As each individual channel is activated for Switched Access Service, Special Access Channel Termination, Channel Mileage, SONET rate element, OCN Point to Point rate element, (D)

* Frozen/Grandfathered SONET Ring and Access Service effective June 30, 2006, pending CPUC Resolution. See General Regulations, Schedule Cal.P.U.C. No. 175-T, Section 2.1.4, (F). (N)

Material omitted now located on Sheet 308. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 DS1 and Fiber AdvantageSM Service (T)

(A) Payment Plans (T)

(1) Rate Stability Plans for Fiber AdvantageSM DS1, DS3, DS3x3 And DS3x12 (T)
(T)

Rates and Charges for DS1, DS3 and DS3x3 service are offered with a 1, 3 or 5 year Rate Stability Payment Plan. DS3x12 service is offered with a 3 or 5 year Rate Stability Payment Plan.

For customers that subscribe to a 1, 3 or 5 year Rate Stability Payment Plan, the monthly rates in effect at the time the service is installed will not increase during the payment plan period.

The customer has the option to order a Rate Stability Payment Plan for each individual DS1 or DS3 service hubbed with a DS3 or DS3x3 service.

(2) Term Payment Plans for DS1 1.544 Mbps Service (N)

DS1 1.544 mbps service (non Fiber Advantage) provides the customer Term Payment Plans (TPP's) for one, two, three or five-year terms. Rates for the plans are the rates in effect at the time the service is installed.

During the length of the selected TPP, monthly rates for services ordered under the plan will automatically change (increase or decrease) as the result of Company initiated rate changes or a Commission Order or Decision. However, under no circumstances will any rate change cause the monthly rates for the service to exceed the rate that was in effect at the time the service was installed for the TPP selected. (N)

Material omitted now on sheet 308-B-3.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 DS1 and Fiber AdvantageSM Service

(A) Payment Plans*

(N)

(1) Rate Stability Plans for Fiber AdvantageSM DS1, DS3, DS3x3 And DS3x12

Rates and Charges for DS1, DS3 and DS3x3 service are offered with a 1, 3 or 5 year Rate Stability Payment Plan. DS3x12 service is offered with a 3 or 5 year Rate Stability Payment Plan.

For customers that subscribe to a 1, 3 or 5 year Rate Stability Payment Plan, the monthly rates in effect at the time the service is installed will not increase during the payment plan period.

The customer has the option to order a Rate Stability Payment Plan for each individual DS1 or DS3 service hubbed with a DS3 or DS3x3 service.

(2) Term Payment Plans for DS1 1.544 Mbps Service

DS1 1.544 mbps service (non Fiber Advantage) provides the customer Term Payment Plans (TPP's) for one, two, three or five-year terms. Rates for the plans are the rates in effect at the time the service is installed.

During the length of the selected TPP, monthly rates for services ordered under the plan will automatically change (increase or decrease) as the result of Company initiated rate changes or a Commission Order or Decision. However, under no circumstances will any rate change cause the monthly rates for the service to exceed the rate that was in effect at the time the service was installed for the TPP selected.

* As of November 1, 2013, Term Pricing Plan terms greater than 36 months are no longer available for new or renewing subscribers.

(N)
(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 DS1 and Fiber Advantagesm Service (Cont'd)

(A) Payment Plans (Cont'd)

(2) Term Payment Plans for DS1 1.544 Mbps Service (Cont'd)

For customers ordering new DS1 1.544 mbps service who choose a Term Payment Plan (TPP) period of 3 years or greater in length, the Nonrecurring Charge will not apply for new service. However, customers requesting termination of service prior to the completion of a minimum of 3 years or greater TPP will become liable for full payment of Nonrecurring Charges.

For customers ordering new DS1 1.544 mbps service who choose a Term Payment Plan (TPP) period of 2 years (End User Channel Termination only), the Nonrecurring Charge will not apply for new service. (N)
|
(N)

The customer may choose to terminate an existing TPP before the end of the one, two, three or five year period and negotiate a new TPP as set forth in (a) following.

Any special construction charges incurred for services billed under a TPP will be applicable as provided for in Section 15 of this tariff.

(a) Upgrades

During a customer's TPP term, conversion may be made to a new TPP term of the same or different length or to a higher speed service, if the expiration date for the new service or TPP term is beyond the end of the original TPP term. The new TPP term becomes effective upon execution. Existing customer may change from a month-to-month arrangement to a TPP. No credit for months under the previous TPP may be transferred to the new TPP. The customer incurs no liability for the remaining months on the original TPP, since the change is not considered a termination of service. Nonrecurring charges as appropriate will apply if a customer converts to a higher speed service. The rates applicable for the new term are those currently in effect for new customers.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 DS1 and Fiber Advantagesm Service (Cont'd)

(A) Payment Plans* (Cont'd) (N)

(2) Term Payment Plans for DS1 1.544 Mbps Service (Cont'd)

For customers ordering new DS1 1.544 mbps service who choose a Term Payment Plan (TPP) period of 3 years or greater in length, the Nonrecurring Charge will not apply for new service. However, customers requesting termination of service prior to the completion of a minimum of 3 years or greater TPP will become liable for full payment of Nonrecurring Charges.* (N)

For customers ordering new DS1 1.544 mbps service who choose a Term Payment Plan (TPP) period of 2 years (End User Channel Termination only), the Nonrecurring Charge will not apply for new service.

The customer may choose to terminate an existing TPP before the end of the one, two, three or five year period and negotiate a new TPP as set forth in (a) following.

Any special construction charges incurred for services billed under a TPP will be applicable as provided for in Section 15 of this tariff.

(a) Upgrades

During a customer's TPP term, conversion may be made to a new TPP term of the same or different length or to a higher speed service, if the expiration date for the new service or TPP term is beyond the end of the original TPP term.* The new TPP term becomes effective (N) upon execution. Existing customer may change from a month-to-month arrangement to a TPP. No credit for months under the previous TPP may be transferred to the new TPP. The customer incurs no liability for the remaining months on the original TPP, since the change is not considered a termination of service. Nonrecurring charges as appropriate will apply if a customer converts to a higher speed service. The rates applicable for the new term are those currently in effect for new customers.

* As of November 1, 2013, Term Pricing Plan terms greater than 36 months are no longer available for new or renewing subscribers. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 DS1 and Fiber AdvantageSM Service (Cont'd)

(A) Payment Plans (Cont'd)

(N)

(2) Term Payment Plans for DS1 1.544 Mbps Service (Cont'd)

(b) Moves

During a TPP term, a customer may move one Channel Termination (Local Distribution Channel) of a DS1 service to another location in the same LATA and keep the TPP in force, provided no lapse in service occurs. Moves to a different serving office however may result in a change in the monthly charges. Nonrecurring charges as appropriate are applicable. The nonrecurring charge that is currently in effect for month-to-month service offering will apply.

If the customer moves both ends of the service concurrently the customer will be liable for Termination Liability charges. Rules and regulations for Moves in Section 5.2.9 preceding are applicable.

(c) Renewals

At the end of a TPP term, the customer may elect a new TPP term with the rates in effect at that time. If the customer elects not to renew the TPP, or does not notify the Utility of their intent to establish a new TPP, the service will automatically be billed under the tariffed month-to-month rates in effect at the time the TPP expires.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 DS1 and Fiber AdvantageSM Service (Cont'd)

(A) Payment Plans* (Cont'd) (N)

(2) Term Payment Plans for DS1 1.544 Mbps Service (Cont'd)

(b) Moves

During a TPP term, a customer may move one Channel Termination (Local Distribution Channel) of a DS1 service to another location in the same LATA and keep the TPP in force, provided no lapse in service occurs. Moves to a different serving office however may result in a change in the monthly charges. Nonrecurring charges as appropriate are applicable. The nonrecurring charge that is currently in effect for month-to-month service offering will apply.

If the customer moves both ends of the service concurrently the customer will be liable for Termination Liability charges. Rules and regulations for Moves in Section 5.2.9 preceding are applicable.

(c) Renewals

At the end of a TPP term, the customer may elect a new TPP term with the rates in effect at that time. If the customer elects not to renew the TPP, or does not notify the Company of their intent to establish a (T) new TPP, the service will automatically be billed under the tariffed month-to-month rates in effect at the time the TPP expires.

* As of November 1, 2013, Term Pricing Plan terms greater than 36 months are (N)
no longer available for new or renewing subscribers. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 DS1 and Fiber AdvantageSM Service (Cont'd) (T)

(B) Termination Liability Charges for Payment Plans

(2) Termination Liability Charges For Fiber AdvantageSM DS1, DS3, DS3x3 And DS3x12 Rate Stability Payment Plans (T)
(Cont'd)

For Rate Stability Payment Plans discontinued beyond the first year of the Rate Stability Payment Plan period, the customer will be liable for 70% of the total monthly charges for next 12 month period of the Rate Stability Payment Plan, 60% for the 13th through 24 months of the Rate Stability Payment Plan period, 50% for the 25th through 36 months, and 40% for the 37th through 48 months, as applicable, for the remaining portion of the Rate Stability Payment Plan period.

(C) Renewal Plan for Fiber AdvantageSM DS1, DS3, DS3x3 and DS3x12 Rate Stability Payment Plans (N)
(T)

(1) For Fiber Advantage DS3, DS3x3 and DS3x12 Rate Stability Payment Plans (N)

For all orders completed prior to August 15, 2006, at the end of the Rate Stability Payment Plan, the customer may renew, for any Rate Stability Payment Plan in effect, without a new nonrecurring charge being applied, as long as the physical serving arrangement is not changed or the customer may continue service at the original rate on a month-to-month basis up to one full year after the original Rate Stability Payment Plan ends, at which time the customer must either (1) elect a new term pricing plan, (2) terminate the service, or (3) the Utility will automatically convert the customer to the Monthly Extension Rate. (N)

For orders completed on or after August 15, 2006, all new subscriptions to Fiber Advantage DS3, DS3x3 and DS3x12 Rate Stability Payment Plans are subject to the following Renewal Plan: If the customer elects not to renew an expired Rate Stability Payment Plan or does not notify the Utility of their intent to renew the Rate Stability Payment Plan, the customer's services will automatically be billed under the tariffed Monthly Extension rate in effect at the time the term Plan expires.

Monthly Extension rates are not available to new subscriptions to the service as they are applicable when a new term plan has not been renegotiated. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 DS1 and Fiber AdvantageSM Service (Cont'd)

(C) Renewal Plan for Fiber AdvantageSM DS1, DS3, DS3x3 and DS3x12 Rate Stability Payment Plans (Cont'd) (T)

(2) For Fiber Advantage DS1 Rate Stability Plans (N)

At the end of the Rate Stability Payment Plan, the customer may renew for any Rate Stability Payment Plan in effect, without a new nonrecurring charge being applied, as long as the physical serving arrangement is not changed or the customer may continue at the original rate on a month-to month basis up to one full year after the original Rate Stability Payment Plan ends at which time the customer must select a new term pricing plan.

(D) Change of Fiber AdvantageSM DS1, DS3, DS3x3 or DS3x12 Rate Stability Payment Plans (T)

At any time, a customer has the option to change their current payment plan to an equivalent or longer payment plan (e.g., 1 year to 3 year) without any Termination Liability Charges applicable to the current Rate Stability Payment Plan and without new nonrecurring charges applicable to the new equivalent or longer payment plan, as long as all other aspects of the service and facilities remain unchanged. In addition, the new equivalent or longer Rate Stability Payment Plan the customer selects begins on the service order completion date and is treated as a new Rate Stability Payment Plan period. (T)

Customers may change to a shorter Rate Stability Payment Plan by paying the associated Termination Liability Charges with the original Rate Stability Payment Plan. The rates that will apply will be the current rates in effect for the Rate Stability Payment Plan ordered. However, no new nonrecurring charges will apply.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 DS1 and Fiber Advantagesm Service (Cont'd)

(E) Upgrades to DS3x3 and DS3x12 Services Provided Through Rate Stability Payment Plans

Customers with a three or five year Rate Stability Payment Plan may at any time upgrade any DS3 service to a greater DS3 service, e.g., DS3 to DS3x12, at the same premises without incurring the DS3 Termination Liability Charge provided that: (T)
(T)

- the customer subscribes to a new higher speed Rate Stability Payment Plan term that is equal to, or greater than 36 months; (T)
(T)
(N)

- the expiration date for the new Rate Stability Payment Plan term is beyond the end of the original Rate Stability Plan term. (N)

All appropriate upgrades, e.g., DS3x12 rates and charges will apply (i.e., Recurring and Nonrecurring). (T)
(T)
(D)

(F) DS3, DS3x3 and DS3x12 Service Transition

Customers with DS3 service provided under Individual Case Basis (ICB) term contract arrangements in other portions of this tariff who wish to convert their service to a DS3, DS3x3 or DS3x12 service may do so without penalty or assessment of new nonrecurring charges, providing there is no physical change in the service arrangement.

(G) Moves for Fiber Advantagesm DS3x3 and DS3x12 (N)

Regulations for Moves for Fiber Advantagesm DS3x3 and DS3x12 are set forth in Section 5.2.9 preceding. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 DS1 and Fiber Advantagesm Service (Cont'd)

(E) Upgrades to DS3x3 and DS3x12 Services Provided Through Rate Stability Payment Plans

Customers with a three or five year Rate Stability Payment Plan* may at any time upgrade any DS3 service to a greater DS3 service, e.g., DS3 to DS3x12, at the same premises without incurring the DS3 Termination Liability Charge provided that: (N)

- the customer subscribes to a new higher speed Rate Stability Payment Plan term that is equal to, or greater than 36 months;
- the expiration date for the new Rate Stability Payment Plan term is beyond the end of the original Rate Stability Plan term.

All appropriate upgrades, e.g., DS3x12 rates and charges will apply (i.e., Recurring and Nonrecurring).

(F) DS3, DS3x3 and DS3x12 Service Transition

Customers with DS3 service provided under Individual Case Basis (ICB) term contract arrangements in other portions of this tariff who wish to convert their service to a DS3, DS3x3 or DS3x12 service may do so without penalty or assessment of new nonrecurring charges, providing there is no physical change in the service arrangement.

(G) Moves for Fiber Advantagesm DS3x3 and DS3x12

Regulations for Moves for Fiber Advantagesm DS3x3 and DS3x12 are set forth in Section 5.2.9 preceding.

* As of November 1, 2013, Term Pricing Plan terms greater than 36 months are no longer available for new or renewing subscribers. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

(N)

7.4 Rate Regulations (Cont'd)

7.4.10 DS1 and Fiber AdvantageSM Service (Cont'd)

(H) Changes from Fiber Advantage DS3 (DS3, DS3x3, DS3x12) service to Higher Speed Services

Customers with a three or five year Rate Stability Payment Plan may at any time upgrade from a DS3 service to a higher speed Special Access service (e.g., GigaMAN, SONET Ring and Access, OC-192 Dedicated Ring, OCN Point to Point, MON) without incurring Termination Liability charges for the customer's existing DS3 service providing the following criteria are met:

- The customer subscribes to a Term Pricing Plan period that is equal to, or greater than 36 months;
- The expiration date for the new Term Pricing Plan period is beyond the end of the original Term Pricing Plan period;
- No lapse in service occurs;
- Non recurring charges will apply when applicable;
- The monthly rates for the new service(s) shall be those rates in effect at the time the new service(s) is installed;
- The new service is provided between the same customer locations and with the same customer of record as the disconnected service;
- The original location of all nodes must be included in the new service;
- Billed recurring revenue for each month of the first eighteen months of the new service is equal to or greater than the billed recurring revenue for the last month of the service(s) being converted;
- Customer agrees not to convert the new service term pricing plan to a pricing plan with a lower rate for the period of eighteen months after conversion; and
- Spare facilities and equipment must be available or Special Construction charges, as set forth in Section 15, following, shall apply.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 DS1 and Fiber AdvantageSM Service (Cont'd)

(H) Changes from Fiber Advantage DS3 (DS3, DS3x3, DS3x12) service to Higher Speed Services

Customers with a three or five year Rate Stability Payment Plan may at any time upgrade from a DS3 service to a higher speed Special Access service (e.g., GigaMAN, SONET Ring and Access, OC-192 Dedicated Ring*, OCN Point to Point*, MON (N) Ring) without incurring Termination Liability charges for (N) the customer's existing DS3 service providing the following criteria are met:

- The customer subscribes to a Term Pricing Plan period that is equal to, or greater than 36 months;
- The expiration date for the new Term Pricing Plan period is beyond the end of the original Term Pricing Plan period;
- No lapse in service occurs;
- Nonrecurring charges will apply when applicable;
- The monthly rates for the new service(s) shall be those rates in effect at the time the new service(s) is installed;
- The new service is provided between the same customer locations and with the same customer of record as the disconnected service;
- The original location of all nodes must be included in the new service;
- Billed recurring revenue for each month of the first eighteen months of the new service is equal to or greater than the billed recurring revenue for the last month of the service(s) being converted;
- Customer agrees not to convert the new service term pricing plan to a pricing plan with a lower rate for the period of eighteen months after conversion; and
- Spare facilities and equipment must be available or Special Construction charges, as set forth in Section 15, following, shall apply.

* As of November 1, 2013, Term Pricing Plan terms greater than 36 months are no longer available for new or renewing OC-192 Dedicated Ring or OCN Point to Point subscribers. (N) (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Fiber Advantagesm Service (Cont'd)

(I) Service Transition From Individual Case Basis (ICB) (T)
Contracts To Tariff Service

When a customer's ICB DS3 service is terminated and the customer chooses to convert to general tariff service provided by the Utility, the customer shall be credited with the length of time their ICB contract was in place.

For example, a customer has a 5 year ICB contract for DS3 service and is in the 36th month of that service arrangement at the time of conversion. The customer will be provided the option to move into a 5 year Rate Stability Payment Plan to obtain the lowest possible monthly rate and will be credited with the 36 months of service which have already elapsed. Only 24 months of service will be required under the 5 year Rate Stability Payment Plan to avoid a Termination Liability Charge under the tariffed Rate Stability Payment Plan.

In this example, in the event the customer terminates service prior to 24 months, Termination Liability Charges will apply for the remainder of the Rate Stability Payment Plan period. The customer also has the option to move into a shorter Rate Stability Payment Plan as described in preceding. In either case, no Nonrecurring or Termination Liability Charges shall apply to the ICB contract arrangement.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.11 Resale of Private Line Services*

The following services are available for resale: Metallic Service in Section 7.2.1, Telegraph Grade Service in Section 7.2.2, Voice Grade Service in Section 7.2.3, Program Audio Service in Section 7.2.4, Video Service in Section 7.2.5, Digital Data Service in Section 7.2.8, (A), Advanced Digital Network in Section 7.2.8, (B), High Capacity Service in Section 7.2.8, (C), SONET Ring and Access Services[#] 7.2.9, GigaMAN® (T)
in Section 7.2.13, Optical Carrier Network (OCN) Point to (T)
Point Service in Section 7.2.14, OC-3, OC-12 and OC-48 (N)
Dedicated SONET Ring Service in Section 7.2.15, OC-192 |
Dedicated SONET Ring Service in Section 7.2.10. Regulations (N)
for resale of Private Line Services are found in Section 18.1. following. Rates and Charges for resale of Private Line services are found in Section 18.27 following.

* See General Regulations 2.1.4, (C) and (D) preceding.

Frozen/Grandfathered SONET Ring and Access Service effective June 30, 2006, pending CPUC Resolution. See General Regulations, Schedule Cal.P.U.C. No. 175-T, Section 2.1.4, (F).

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.11 Resale of Private Line Services*

The following services are available for resale: Metallic Service in Section 7.2.1, Telegraph Grade Service in Section 7.2.2, Voice Grade Service in Section 7.2.3, Program Audio Service in Section 7.2.4, Video Service in Section 7.2.5, Digital Data Service in Section 7.2.8, (A), Advanced Digital Network in Section 7.2.8, (B), High Capacity Service in Section 7.2.8, (C), SONET Ring and Access Services# 7.2.9, GigaMAN® in Section 7.2.13, Optical Carrier Network (OCN) Point to Point Service in Section 7.2.14, OC-3, OC-12 and OC-48 Dedicated SONET Ring Service in Section 7.2.15, OC-192 Dedicated SONET Ring Service in Section 7.2.10. Regulations for resale of Private Line Services are found in Section 18.1. following. Rates and Charges for resale of Private Line services are found in Section 18.2 following. (T)

* See General Regulations 2.1.4, (C) and (D) preceding.

Frozen/Grandfathered SONET Ring and Access Service effective June 30, 2006, pending CPUC Resolution. See General Regulations, Schedule Cal.P.U.C. No. 175-T, Section 2.1.4, (F).

Continued

ACCESS SERVICE

7. Special Access Services (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.13 OC-192 Dedicated SONET Ring Service (Cont'd)

(A) Rate Elements (Cont'd)

(6) Add/Drop Capability

Add/Drop Capability provides the capability to add/drop lower speed channels from an OC-192 Dedicated SONET Ring node location via OC-48, OC-48c, OC-12, OC-12c, OC-3, OC-3c, or DS-3 ports. OC-192 Add/Drop Capability at an OC-192 Dedicated SONET Ring Service node location will support various combinations of service not to exceed 192 STS-1 equivalents, contingent upon limitations of drop port capacity.

When electrical drops are required the optical-to-electrical Add/Drop Capability charge, as set forth in 7.5.12 following is applicable when the 25th DS3 port is applied per Node.

(7) Ethernet Port

(D)

A nonrecurring charge as set forth in 7.5.12, (I) following is applicable only when the Ethernet Port is ordered for an existing OC-192 Dedicated SONET Ring service. The nonrecurring charge for the Ethernet Port will not be applicable to customers ordering a new OC-192 Dedicated SONET Ring Service.

(8) Unprotected Channel Transport

Unprotected Channel Transport will allow customers to transport traffic over a ring without enabling SONET protection schemes. This is intended for applications in which the customer provides protection for the circuit through means other than those available through SONET. If a fault occurs on the ring along the transport path, the traffic will not be switched to a protection channel. Service will be interrupted on that circuit until the fault is corrected. If a fault occurs in the ring but does not occur along the transport route, service will not be interrupted on that circuit. Without protection, SONET is unable to meet the normal availability, so Credit Allowance credits do not apply and credits will not occur upon an outage of an Unprotected Channel Transport. Credits will not be provided for the whole service when the fault on the ring creates the outage. If a riding service extends off a ring, Credit Allowances for that riding service may be applicable per the respective product tariff. This capability is limited to customers with OC-192 Dedicated SONET Ring service installed after July 2, 2007.

(D)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.13 OC-192 Dedicated SONET Ring Service (Cont'd) (T)

(B) Term Pricing Plan

(1) General Description

OC-192 Dedicated SONET Rings are available for either three or five year Term Pricing Plan (TPP) periods. Monthly recurring charges apply for the nodes, ports and mileage.

(2) Nonrecurring Charges

Nonrecurring Charges, including the Administrative Charge, as set forth in 7.5.12 following will apply for those arrangements ordered under the OC-192 Dedicated SONET Ring TPP.

(3) Rate Flow Through

Any decreases in recurring tariff rates will be passed on to customers who participate in the TPP. The Utility will notify customers participating in the TPP when monthly rates are decreased. Should the Utility increase its rates during the TPP period, the customer will pay the increased rates as long as the increase does not exceed the original tariffed rate in effect at the time the customer established service under the TPP.

(4) Adding Nodes to the Ring

If a node is added after the initial installation of the dedicated ring, the new node will carry the same TPP rate as the initial ring and be co-terminus with that TPP. However, if a node is added during the last 12 months or less of a TPP, the customer will be billed the initial node rate for a minimum period of 12 months. All applicable Nonrecurring Charges as set forth in Section 7.5.12 following will apply. (T)

Continued

ACCESS SERVICE

7. Special Access Services (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.13 OC-192 Dedicated SONET Ring Service (Cont'd) (T)

(B) Term Pricing Plan (Cont'd)

(5) TPP Renegotiation

The customer may choose to terminate an existing TPP any time prior to the end of the three or five year period and negotiate a new TPP without termination liability provided the new TPP meets the following requirements:

- (a) The minimum period for the new TPP must be greater than the remaining period currently in effect and
- (b) The renegotiated TPP will be based on the current rates.

When the customer converts to a new TPP, actual time in service for the original TPP will be applied. However, no credits or refunds will apply for the billing or actual time in service for the previous TPP.

(6) Termination of Service

If a customer cancels a service order or terminates services before the completion of the term for any reason whatsoever other than the result of a service renegotiation, the customer agrees to pay to the Utility termination liability charges, which are defined below. These charges shall become due and owing as of the effective date of the cancellation or termination and are payable within 30 days of the invoice date, subject to interest penalty on the unpaid balance.

Customer's termination liability for cancellation of service shall be equal to:

- (a) all waived and/or unpaid nonrecurring charges, plus;
- (b) Fifty (50) percent of all recurring charges for the balance of the customer's term.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.13 OC-192 Dedicated SONET Ring Service (Cont'd) (T)

(B) Term Pricing Plan (Cont'd)

(7) Renewal

The customer must provide the Utility with a written notice of intent to renew a TPP no later than 60 days prior to its expiration.

The customer will continue to be billed at the current TPP rates.

If the customer does not renew the TPP, or does not notify the Utility of its intent to renew the TPP, the customer's service will convert to the Monthly Extension rate as set forth in 7.5.12 following until the customer cancels or renews the service with a new TPP term. Monthly Extension Rates are not available to new subscriptions. (T)

Continued

ACCESS SERVICE

7. Special Access (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.13 OC-192 Dedicated SONET Ring Service (Cont'd) (T)

(6) Migration onto OC-192 Dedicate SONET Ring (T)

Billing for the OC-192 Dedicated Ring Service will commence upon service order completion for all rate elements. Billing for the existing OC-48 SONET Ring service will continue until the migration of all circuit services on to the new OC-192 Ring is complete at which time the OC-48 Ring service will be disconnected. (T)

(7) Optical to Electrical DS3 Add/Drop Capability

This option allows an Electrical DS3 to be derived from an Optical OC-3, OC-12, OC-48 or OC-192 shelf. The manner in which a DS3 is dropped will be designed based upon forecast and equipment hierarchy. DS1s are not available with OC-192 Optical to Electrical Add/Drop Capability, however, a customer may purchase multiplexing at the Central Office*. Customers requiring multiplexing at a Customer Premises Node must provide this functionality, and it must be compatible with the Utility's equipment. The Optical to Electrical Add/Drop Capability is in addition to the Add/Drop Capability charge set forth in Section 7.4.15, (B) preceding. (T)

* Central Office Multiplexing as set forth in Sections 7.1 and 7.2 preceding.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.16 GigaMAN[®] Service

(T)

(1) Term Pricing Plans

(T)

(A) General Information

Rates and charges are offered with a 1, 2, 3, or 5 year Term Pricing Plan (TPP). For customers that subscribe to a 1, 2, 3, or 5 year TPP, the monthly rates in effect at the time the service is installed will be in effect. If the Utility initiates rate changes resulting in a decrease of rates for an existing service with a 1, 2, 3, or 5 year fixed service period, those rate changes will be passed along to the customer. Rate changes resulting in an increase of rates for an existing service will not exceed the original rate for that selected service period unless mandated by the California Public Utilities Commission.

(T)

(N)

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.17 Optical Carrier Network (OCN) Point-to-Point Service

(N)

This section contains the specific regulations governing the rates and charges which may apply to Optical Carrier Network (OCN) Point-to-Point Service. The rates and charges in effect at the time the OCN Point-to-Point Service is installed and accepted by the customer are the rates and charges that will be billed to the customer requesting the service. The rates and charges in effect at the time may not be the same as those rates and charges in effect at the time the customer requests the service.

Optical Carrier Network (OCN) Point-to-Point Service is offered under a Term Payment Plan.

If the Utility initiates rate changes resulting in a decrease of rates for an existing service with a 3 or 5 year Term Plan period, those rate changes will be passed along to the customer. Should the utility increase its rates during the Term Pricing Plan period as a result of a Utility initiated price change or pursuant to a commission decision or order, the customer will continue to pay the rates in effect at the time the customer elected to establish service under the Term Pricing Plan.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.17 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd) (N)

(G) Term Pricing Plans (TPP)

(1) General Description

Term Pricing Plans (TPP) are available on Channel Terminations (Local Distribution Channels), Interoffice Transport and Central Office Multiplexing monthly rate elements. The TPP stabilizes rates for OCN Point-to-Point Service for the specified period of time. OCN Point to Point service is offered as follows:

- Three Year (36 month) TPP or
- Five Year (60 month) TPP

(2) Modifications

When additional like-speed OCN Point-to-Point Service circuits are purchased, the customer may include the additional circuits in an existing TPP if:

- The customer renegotiates their TPP for a period of time equal to or greater than the time remaining on the existing TPP;
- The circuits are the same speed; and
- The circuits are located between the same customer designated premises.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.17 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(G) Term Pricing Plans (TPP) (Cont'd)

(3) Renewals

At the end of a TPP period, the customer must select one of the following options within one month prior to the expiration date:

- (a) Renew the service for a three or five year TPP as provided in this tariff;
- (b) Elect to disconnect the service upon expiration of the billing period; or
- (c) Continue the service on a monthly basis at the current monthly extension rates.

All services under an existing TPP that are not renewed within the period stated above will revert to Option (3) (c) above and be billed at the current Monthly Extension rates. (T)

If the customer's TPP expires and the customer does not choose to renew the term plan for any of the Utility Access Services including OCN Point-to-Point, or if the customer fails to notify the Utility of their plans to renew the term plan upon expiration of the current term plan, all TPPs will become subject to Monthly Extension Rates as set forth in Section 7.5.14 following. (L) (T)

When a new TPP is requested by the customer, the Monthly Extension rate will be replaced with the appropriate TPP rate upon completion of the order for the new TPP. (L)

(L) Material formerly located on Sheet 308-S-17. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.17 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(G) Term Pricing Plans (TPP)

(4) Conversions from existing OCN Point-to-Point service (N)

If at least one month is remaining on an existing OCN (T)
3 year TPP, the customer may convert the service to a (T)
higher term OCN Point to Point TPP without incurring
termination liability and at the same time retain the
service for the period remaining on the higher term TPP.
Retroactive TPP discounts will not apply prior to the
date of the Access order for conversion.

For example; a customer with an existing 3 Year OCN
Point to Point TPP with 11 months remaining elects to
convert to a 5 Year OCN Point to Point TPP. At the time
of the order, the customer will be billed the 5 year TPP
rate for the remaining period of 2 years and 11 months
(35 months) on the new TPP.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.17 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(G) Term Pricing Plans (TPP) (Cont'd)

(5) Transitioning from Other Special Access Services to OCN Point-to-Point (N)

(D)

(D)

The customer may at any time convert to an OCN Point-to-Point service from Special Access Point-to-Point provided the following conditions are met. The new OCN Point-to-Point service must:

(N)

- (a) be the same or greater bandwidth than the service being disconnected; and
- (b) be located between the same two customer designated premises and Utility Service Wire Centers; and
- (c) have a minimum billing period that is equal to or greater than the remaining billing period revenue for the service being disconnected service; and
- (d) represent equal or greater of the total minimum billing period revenue as the remaining billing period revenue of the service being disconnected.

(N)

Material omitted now located on Sheet 308-S-15.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.17 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd) (N)

(P) Upgrade to OCN Point to Point from lower speeds

Customers with three or five year OCN Point to Point TPPs may at any time upgrade to higher speed OCN Point to Point service (e.g. OC-12 to OC-48) without incurring the Termination Liability charge providing that the following criteria are met:

- The customer subscribes to a term Pricing Plan period that is equal to or greater than 36 months;
- The expiration date form the new Term Pricing Plan is beyond the end of the original term Pricing Plan period;
- No lapse in service occurs;
- 100% of any waived or unamortized nonrecurring charges will apply, when applicable;
- The monthly rates for the new service(s) will be those rates in effect at the time the new service(s) are installed;
- The new service is provided between the same customer locations and with the same customer of record as the disconnected service;
- The billed monthly recurring revenue for the new service is equal to or greater than the billed monthly recurring revenue remaining in the service being converted; and
- Spare facilities and equipment must be available or Special Construction as set forth in Section 15. is applicable.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.18 OC-3, OC-12 and OC-48 Dedicated SONET Ring Service

(N)

(A) Term Pricing Plans

OC-3, OC-12, OC-48 Dedicated SONET Ring service is offered as a 36 or 60 month Term Pricing Plan (TPP) offering; the minimum term available is 36 months. The monthly rates that are applicable for the new term are those rates currently in effect for new customers.

The TPPs allows the customer to order service at rates commensurate with the length of the term. Any decrease in recurring tariff rates during a term will result in a decrease of monthly rates for an existing Term plan.

At the end of the TPP, the customer may order a new TPP, terminate service or, if no choice is made, the service will convert to the Monthly Extension Rates, subject to any future rate changes. If a customer does not complete the time period or term of the TPP, Termination Liability Charges will apply.

Rate changes resulting in an increase of rates for an existing service will not exceed the original rate for that selected Term Payment service period unless mandated by the California Public Utility Commission.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.18 OC-3, OC-12 and OC-48 Dedicated SONET Ring Service (Cont'd)

(B.) Term Pricing Plan Renegotiation

(N)

The customer may choose to terminate an existing TPP any time prior to the end of the 36 or 60 month period and negotiate a new TPP without the application of termination liability provided the new TPP meets the following requirements:

- the minimum period for the new TPP must be greater than the remaining period currently in effect and has not expired;
- the customer has had the existing service for a period of 12 months;
- the renegotiated TPP will be based on the current rates;
- no lapse in service occurs;
- nonrecurring charges will apply, when applicable;
- the monthly rates for the new service will be those rates in effect at the time the new service is installed;
- The new TPP is provided between the same customer locations;
- spare facilities and equipment must be available or a Special Construction charges, as set forth in Section 15, may apply.

When the customer converts to a 60 month year TPP, actual time in service for the original TPP will be applied. However, no credits or refunds will apply for the billing or actual time in service for the previous TPP.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.18 OC-3, OC-12 and OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Term Pricing Plan Renewal

(N)

The customer must provide the Utility with a written notice of intent to renew a TPP no later than 60 days prior to its expiration.

The customer will continue to be billed at the current TPP rates.

The new TPP must be for a 36 or 60 month period.

If the customer does not renew the TPP, or does not notify the Utility of its intent to renew the TPP, the customer's service will convert to the Monthly Extension rate as set forth in Section 7.5.15 following, until the customer cancels or renews the service with a new TPP term. Monthly Extension Rates are not available to new subscriptions.

(D) Subsequent Activity on the Ring

If a new rate element(s), as described in Section 7.5.15 following, are added after the initial installation of the Dedicated SONET Ring, the new rate element(s) will be assigned the same TPP term as the initial Ring. The TPPs for the new rate elements added after the initial implementation will be independent of the term of the initial ring as follows:

- if a new rate element is added during the last 12 months or less of a TPP, the customer will be billed the TPP rate for that element for a minimum period of 12 months.
- if the Ring is disconnected before the new rate element's term expires, termination liability for the new rate element will apply.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.18 OC-3, OC-12 and OC-48 Dedicated SONET Ring Service (Cont'd)

(E) Termination of Service

(N)

If a customer terminates services before the completion of the TPP for any reason whatsoever other than the result of a service renegotiation, the customer agrees to pay to the Utility termination liability charges which are defined below. These charges shall become due and owing as of the effective date of the cancellation or termination and are payable within 30 days of the invoice date, subject to interest penalty on the unpaid balance.

Customer's termination liability for cancellation of service shall be equal to:

- (1) all waived and/or unpaid nonrecurring charges, plus;
- (2) Fifty (50) percent of all recurring charges for the balance of the customer's term.

(F) Upgrade to Higher Bandwidth Dedicated SONET Ring Service

- (1) Customers subscribing to an OC-3 Dedicated SONET Ring service may expand the service to an OC-12, OC-48 Dedicated SONET Ring service or to an OC-192 Dedicated SONET Ring.

Customers subscribing to an OC-12 Dedicated SONET Ring service may expand the service to an OC-48 and OC-192 Dedicated SONET Ring.

Customers subscribing to an OC-48 Dedicated SONET Ring service may expand the service to an OC-192 Dedicated SONET Ring.

This upgrade amounts to a conversion from one Ring service to another and requires placement of a new Dedicated SONET Ring service order for the higher bandwidth Ring service. A disconnect service order for the lower bandwidth SONET Ring service must be placed when the migration period (if one is required) is complete.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.18 OC-3, OC-12 and OC-48 Dedicated SONET Ring Service (Cont'd)

(F) Upgrade to Higher Bandwidth Dedicated SONET Ring Service
(Cont'd)

- (2) OC-3, OC-12, and OC-48 Dedicated SONET Ring customers (N)
with 36 or 60 month TPPs may at any time upgrade to a
higher speed Dedicated SONET Ring Service as described
in (F)(1) preceding without incurring Termination
Liability charges, providing the following criteria are
met:
- the customer subscribes to a Term Plan period that
is equal to or greater than thirty-six months;
 - the customer has had the existing service for a
period of 12 months;
 - the expiration date for the new Term Plan period is
beyond the end of the original Optional Payment Plan
period;
 - no lapse in service occurs;
 - nonrecurring charges will apply, when applicable;
 - the monthly rates for the new service(s) will be
those rates in effect at the time the new service(s)
is/are installed;
 - the new service is provided between the same
customer locations and with the same customer of
record as the disconnected service;
 - billed recurring revenue for each month of the first
eighteen months of the new service is equal to or
greater than the billed recurring revenue for the
last month of the service(s) being converted; and
 - spare facilities and equipment must be available or
Special Construction charges, as set forth in
Section 15 following, may be applicable. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.18 OC-3, OC-12 and OC-48 Dedicated SONET Ring Service (Cont'd)

(G) Nodes

A minimum of two nodes is required, excluding sub-rings (or ARC sub-rings). A maximum of 16 nodes including regenerators will be allowed per ring. (N)

(H) Ports

The capacity of the selected OC-3, OC-12 or OC-48 Dedicated SONET Ring services is determined by the number to individual port-to-port connections available between all nodes on the ring.

(I) Mileage

Mileage is charged as specified in Section 7.1.3. Mileage charges apply to the SONET Ring service. Mileage is charged based on V&H miles determined from National Exchange Carrier Association (NECA) tariff FCC No. 4. Fractions of a mile are rounded up to the whole mile for rate calculations. A one-mile minimum will be billed between nodes. A two-node ring configuration has a two-mile minimum; one mile from the wire center node to the customer premises node, and one mile from the customer premises node to the wire center node.

(J) Ring Regenerator

Regenerators provide essential detection and retransmission of the SONET Optical signals between nodes. Regenerators will only be provided as required by the Utility when actual fiber facility distances between customer designated nodes exceed inter-nodal design limits. Regenerators will be located exclusively in Utility SWCs and do not allow ports to access customer service connections.

(K) OC-48 Add/Drop Capability

The add/drop capacity charge as set forth in 7.5.15, (3) following is applied only once per Node when the 25th DS3 port is applied per node.

Depending upon the combination of drops, an OC-48 Add/Drop Capability may be required to drop the full capacity of the ring. When this occurs, the OC-48 Add/Drop Capability rate applies.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.13 OC-192 Dedicated SONET Ring Service (Cont'd)

(A) Rate Elements (Cont'd)

(2) Ports (Cont'd)

Accepted interfaces are as follows: (Cont'd)

OC-192 Node (Cont'd)

1000BaseSX/LX Ethernet Port	OC-192 Node
STS-1-1v (48.384 Mbps)	X (Max. 32/Node)
STS-1-2v (96.768 Mbps)	X (Max. 32/Node)
STS-1-3v (145.154 Mbps)	X (Max. 32/Node)
STS-1-4v (193.536 Mbps)	X (Max. 32/Node)
STS-1-5v (241.94 Mbps)	X (Max. 32/Node)
STS-1-6v (290.304 Mbps)	X (Max. 32/Node)
STS-1-9v (435.456 Mbps)	X (Max. 32/Node)
STS-1-12v (580.608 Mbps)	X (Max. 32/Node)
STS-1-21v (1016.064 Mbps)	X (Max. 32/Node)
STS-3c-1v (149.76 Mbps)	X (Max. 32/Node)
STS-3c-2v (299.52 Mbps)	X (Max. 32/Node)
STS-3c-3v (449.28 Mbps)	X (Max. 32/Node)
STS-3c-4v (599.04 Mbps)	X (Max. 32/Node)
STS-3c-7v (1048.32 Mbps)	X (Max. 32/Node)

(N)

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service

(A)	USOC	Monthly Rates	Nonrecurring [@] Charges	
			1st	Add'l.
- Per Point of termination				
*- at an End User location				
- Two-wire	T6E2X	\$31.67	\$565.13	\$497.81
- Four-wire	T6E4X	40.20	565.13	497.81
**- at an IC POT location				
- Two-Wire	T6P2X	23.25	565.13	497.81
- Four-Wire	T6P4X	31.63	565.13	497.81
#- Per Point of termination With DC Continuity				
- at an End User location				
- Two-wire	T6E2D	31.67	565.13	497.81
- Four-wire	T6E4D	40.20	565.13	497.81
- at an IC POT location				
- Two-Wire	T6P2D	23.25	565.13	497.81
- Four-Wire	T6P4D	31.63	565.13	497.81

** Access Advantage Plus can only be terminated at an end user location. (T)

* When service terminates on an Access Advantage Plus Channel port a channel termination charge will not apply. (T)

DC continuity is not allowed at any point of termination on Access Advantage Plus. (T)

@ Non-recurring charges associated with the installation of Access Advantage Plus on a 3 year Term Pricing Plan are waived. (T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

		Monthly	Nonrecurring	
	USOC	Rates	Charges	
			Init.	Subseq.
(C) Optional Features and Functions (Cont'd)				
(1) Bridging (Cont'd)				
(e) Telemetry and Alarm Bridging (Cont'd)				
Passive Bridging Channel Connections				
- Per channel connected				
	BCNTP	\$4.76 (R)	\$33.19 (R)	\$ 76.81 (R)
(2) Conditioning				
- Per Point of Termination				
C - Type	X1CPT	31.39 (R)	123.98 (R)	293.95 (R)
C1	P2W	31.39	123.98	293.95
C2	P3H	31.39	123.98	293.95
C4	P4G	31.39	123.98	293.95
C5	UHD	31.39	123.98	293.95
Protective Relay (C6) *	U9Q	31.39	123.98	293.95
RT0C	GN3RR	31.39	123.98	293.95
Improved Attenuation Distortion	UHW	None	123.98	263.46
Improved Envelope Delay Distortion	UHY	21.95 (R)	294.46 (R)	410.68 (R)
Sealing Current	1HBPT	None	None	None

* Only available on a two-point VG36 furnished to the power industry.
 (L) Formerly in different form in Schedule Cal.P.U.C. No. B3.3.1,C.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.4 Program Audio Service

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Daily Rates</u>	<u>Nonrecurring Charges</u>	
				<u>1st</u>	<u>Add'l</u>
(A) <u>Channel Termination</u>					
- Per Point of termination					
- 200 to 3500 Hz	T6ECS	\$21.24 (R)	\$2.12 (R)	\$597.37 (R)	\$557.55 (R)
- 100 to 5000 Hz	T6ECS	21.24	2.12	597.37	557.55
- 50 to 8000 Hz	T6ECS	27.90	2.79	597.37	557.55
- 50 to 15000 Hz	T6ECS	34.42 (R)	3.41 (R)	597.37 (R)	557.55 (R)

(B) Channel Mileage

		<u>Monthly Rates</u>		<u>Daily Rates</u>	
		<u>Fixed</u>	<u>Per Mile</u>	<u>Fixed</u>	<u>Per Mile</u>
(1) 200 to 3500 Hz					
Mileage Bands					
0	1L5XX	None	None	None	None
Over 0	1L5XX	\$16.12 (R)	\$3.80 (R)	\$0.54 (R)	\$0.38 (R)
(2) 100 to 5000 Hz					
Mileage Bands					
0	1L5XX	None	None	None	None
Over 0	1L5XX	\$31.29 (R)	\$6.92 (R)	\$1.04 (R)	\$0.46 (R)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.4 Program Audio Service (Cont'd)

(B) Channel Mileage (Cont'd)

	USOC	Monthly Rates		Daily Rates		
		Fixed	Per Mile	Fixed	Per Mile	
(3) 50 to 8000 Hz						
Mileage Bands						
0	1L5XX	None	None	None	None	
Over 0	1L5XX	\$47.41 (R)	\$10.43 (R)	\$1.58 (R)	\$0.53 (R)	

(4) 50 to 15000 Hz

Mileage Bands						
0	1L5XX	None	None	None	None	
Over 0	1L5XX	\$62.58 (R)	\$14.22 (R)	\$2.09 (R)	\$0.61 (R)	

(C) Optional Features and Functions

		Monthly Rates	Daily Rates	Nonrecurring Charges	
				Init.	Subseq.
(1) Bridging (Distribution Amplifier)					
- Per port	BCNPT	\$1.94 (R)	\$0.20 (R)	None	None
(2) Gain Conditioning					
- Per service	XGC	None	None	\$21.70 (R)	\$139.48 (R)
(3) Stereo					
- Per service	XSC	None	None	None	None

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.5 Video Service

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Daily Rates</u>		
(A) <u>Channel Termination*</u>					
- Per point of termination					
(1) Analog					
- TV-1 or 2	TMEV1	\$503.50	\$83.95		
- 4TV-5	TMEV4	503.50	83.95		
- 6TV-5	TMEV6	503.50	83.95		
- TV-15	TMEV5	503.50	83.95		
(2) Reserved					
(3) Reserved					
(4) AVS-270	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>		
			<u>1st</u>	<u>Add'l</u>	
Monthly	AVSVM	\$900.00	\$1,000.00	\$500.00	(T)
Daily	AVSVD	315.00	1,866.00	755.00	(T)

* In addition to Monthly and Daily Rates, Special Construction Charges are applicable.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.5 Video Service

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Daily Rates</u>	
(A) <u>Channel Termination*</u>				
- Per point of termination				
(1) Analog				
- TV-1 or 2	TMEV1	\$503.50	\$83.95	
- 4TV-5	TMEV4	503.50	83.95	
- 6TV-5	TMEV6	503.50	83.95	
- TV-15	TMEV5	503.50	83.95	
(2) Reserved				
(3) Reserved				
(4) Serial Component Video Service				(T)
	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge 1st</u>	<u>Charge Add'l</u>
Monthly	AVSVM	\$900.00	\$1,000.00	\$500.00
Daily	AVSVD	315.00	1,866.00	755.00

* In addition to Monthly and Daily Rates, Special Construction Charges are applicable.

Continued

ACCESS SERVICE

(N)

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.5 Video Service

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Daily Rates</u>
(A) <u>Channel Termination*</u>			
- Per point of termination			
(1) Analog Video Service**			
- TV-1 or 2	TMEV1	\$503.50	\$83.95
- 4TV-5	TMEV4	503.50	83.95
- 6TV-5	TMEV6	503.50	83.95
- TV-15	TMEV5	503.50	83.95
(2) Reserved			
(3) Reserved			
(4) Serial Component Video Service			
	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge 1st Add'l</u>
Monthly	AVSVM	\$900.00	\$1,000.00
Daily	AVSVD	315.00	1,866.00

(C)

* In addition to Monthly and Daily Rates, Special Construction Charges are applicable.

** Effective December 31, 2020, Analog Video Service is Frozen/Grandfathered per General Regulations, Section 2.1.4 (F). The Company currently plans to discontinue this Service on or after December 31, 2021.

(N)

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.5 Video Service (Cont'd)

(A) Channel Termination* (Cont'd)
 - Per point of termination

Video Pricing Plans

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>		
			<u>1st</u>	<u>Add'l</u>	
(4) AVS-270					
1 Year Plan	AVSVM/AVSV1	\$855.00	\$500.00	\$250.00	(T)
3 Year Plan	AVSVM/AVSV3	\$810.00	\$ 0.00	\$ 0.00	
5 Year Plan	AVSVM/AVSV5	\$765.00	\$ 0.00	\$ 0.00	(T)

* In addition to Monthly and Daily Rates, Special Construction Charges are applicable.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.5 Video Service

(B) Channel Mileage

	USOC	Monthly Rates		Daily Rates		
		Fixed	Per Mile	Fixed	Per Mile	
(1) Analog Video						(D)
0 to over 50	1L5XX	\$109.77	\$83.95	\$18.30	\$14.00	(D) (D) (T) (D) (D)
(2) Reserved						
(3) Reserved						
(4) AVS-270						
0 - < 21	1L5XW/1L5	\$ 50.00	\$20.00	\$20.00	\$20.00	(T)
21 - < 41	1L5XW/1L5	250.00	20.00	185.00	20.00	
41 - < 61	1L5XW/1L5	450.00	20.00	355.00	20.00	
61 - < 80	1L5XW/1L5	650.00	20.00	525.00	20.00	
Over 80	1L5XW/1L5	ICB	ICB	ICB	ICB	(T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.5 Video Service

(B) Channel Mileage

	<u>USOC</u>	<u>Monthly Rates</u>		<u>Daily Rates</u>	
		<u>Fixed</u>	<u>Per Mile</u>	<u>Fixed</u>	<u>Per Mile</u>
(1) Analog Video					
0 to over 50	1L5XX	\$109.77	\$83.95	\$18.30	\$14.00
(2) Reserved					
(3) Reserved					
(4) Serial Component Video Service					
0 - < 21	1L5XW/1L5	\$ 50.00	\$20.00	\$20.00	\$20.00
21 - < 41	1L5XW/1L5	250.00	20.00	185.00	20.00
41 - < 61	1L5XW/1L5	450.00	20.00	355.00	20.00
61 - < 80	1L5XW/1L5	650.00	20.00	525.00	20.00
Over 80	1L5XW/1L5	ICB	ICB	ICB	ICB

(T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.5 Video Service

(B) Channel Mileage

	USOC	Monthly Rates		Daily Rates		(C)
		Fixed	Per Mile	Fixed	Per Mile	
(1) Analog Video Service*						
0 to over 50	1L5XX	\$109.77	\$83.95	\$18.30	\$14.00	
(2) Reserved						
(3) Reserved						
(4) Serial Component Video Service						
0 - < 21	1L5XW/1L5	\$ 50.00	\$20.00	\$20.00	\$20.00	
21 - < 41	1L5XW/1L5	250.00	20.00	185.00	20.00	
41 - < 61	1L5XW/1L5	450.00	20.00	355.00	20.00	
61 - < 80	1L5XW/1L5	650.00	20.00	525.00	20.00	
Over 80	1L5XW/1L5		ICB	ICB	ICB	

* Effective December 31, 2020, Analog Video Service is Frozen/Grandfathered (N)
 per General Regulations, Section 2.1.4 (F). The Company currently plans to
 discontinue this Service on or after December 31, 2021. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.5 Video Service

(B) Channel Mileage (Cont'd)

(4) AVS-270 (Cont'd)

Video Pricing Plans	USOC	Monthly Rates			
		Fixed	Per Mile		
Mileage Bands					
1 Year Plan					
0 - < 21	1L5XW/1L5	\$ 48.00	\$19.00	(T)	
21 - < 41	1L5XW/1L5	238.00	19.00		
41 - < 61	1L5XW/1L5	428.00	19.00		
61 - < 80	1L5XW/1L5	618.00	19.00		
80 & over	1L5XW/1L5	ICB	ICB		
3 Year Plan					
0 - < 21	1L5XW/1L5	\$ 45.00	\$18.00		
21 - < 41	1L5XW/1L5	225.00	18.00		
41 - < 61	1L5XW/1L5	405.00	18.00		
61 - < 80	1L5XW/1L5	585.00	18.00		
80 & over	1L5XW/1L5	ICB	ICB		
5 Year Plan					
0 - < 21	1L5XW/1L5	\$ 43.00	\$17.00		
21 - < 41	1L5XW/1L5	213.00	17.00		
41 - < 61	1L5XW/1L5	383.00	17.00		
61 - < 80	1L5XW/1L5	553.00	17.00		
80 & over	1L5	ICB	ICB		

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.5 Video Service

(C) Optional Features and Functions

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Daily Rate</u>	<u>Nonrecurring Charge</u>	
(1) AVS-270 NTSC Analog Interface	NTSCM/NTSC+	\$200.00	\$50.00	\$500.00 ¹	(T)
Video Pricing Plan					
1 Year Plan	NTSCM/NTSC1	\$190.00	n/a	\$500.00 ¹	
3 Year Plan	NTSCM/NTSC3	180.00	n/a	500.00 ¹	
5 Year Plan	NTSCM/NTSC5	170.00	n/a	500.00 ¹	
(2) AVS-270 Virtual Studio	27VSM/27VS+	\$100.00	\$25.00	\$500.00 ¹	
Video Pricing Plan					
1 Year Plan	27VSM/27VS1	\$ 95.00	n/a	\$500.00 ¹	
3 Year Plan	27VSM/27VS3	90.00	n/a	500.00 ¹	
5 Year Plan	27VSM/27VS5	80.00	n/a	500.00 ¹	(T)
(3) Service Through- Connect	BCSTC	n/a	n/a	\$200.00	

NOTE 1: Nonrecurring charge is waived when feature is ordered and installed concurrently with associated Channel Termination.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services

(A) Digital Data Service*

		<u>Monthly</u>	<u>Nonrecurring</u>	
	<u>USOC</u>	<u>Rates</u>	<u>Charges</u>	
	<u>Add'l.</u>		<u>1st</u>	
(1) Channel Termination				
- Per point of termination				
- 2.4 kbps (R)	T6ECS	\$47.41 (R)	\$597.37 (R)	\$597.37
- 4.8 kbps	T6ECS	47.41	597.37	597.37
- 9.6 kbps	T6ECS	47.41	597.37	597.37
- 56.0 kbps (R)	T6ECS	47.41 (R)	597.37 (R)	597.37

* Limited Offering Service - Provided only to existing customers and services working as of January 1, 1995. See General Regulations 2.1.4, (C) preceding. Customers will be permitted to add or disconnect legs only.

ACCESS SERVICE

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(B) Advanced Digital Network

<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring[@] Charges</u>	(T)
(1) <u>Channel Termination#</u>			
-Per point of Termination			
Fixed Speeds			
2.4 Kbps	VAN0D/VAN0P/VAN0W \$47.41	\$597.37	(T)
4.8 Kbps	VAN1D/VAN1P/VAN1W 47.41	597.37	
9.6 Kbps	VAN2D/VAN2P/VAN2W 47.41	597.37	
19.2 Kbps	VAN3D/VAN3P/VAN3W 47.41	597.37	
56.0 Kbps	VAN4D/VAN4P/VAN4W 47.41	597.37	
64.0 Kbps	VAN5D/VAN5P/VAN7W 47.41	597.37	(T)
Variable Speeds*			
- 1.2 to 38.4 Kbps	VAN5D/VAN5P/VAN5W 63.39	597.37	(T)
- 1.2 to 64.0 Kbps	VAN6D/VAN6P/VAN6W 71.35	597.37	(T)

<u>USOC</u>	<u>Monthly Rates</u>	
<u>USOC</u>	<u>Fixed</u>	<u>Per Mile</u>
(2) <u>Channel Mileage</u>		
- Per Mile		
Fixed Speeds		
2.4 Kbps	1L5XX \$4.74	\$5.22
4.8 Kbps	1L5XX 4.74	5.22
9.6 Kbps	1L5XX 4.74	5.22
19.2 Kbps	1L5XX 4.74	5.22
56.0 Kbps	1L5XX 4.74	5.22
64.0 Kbps	1L5XX 4.74	5.22
Variable Speeds*		
1.2 to 38.4 Kbps	1L5XX 4.74	5.22
1.2 to 64.0 Kbps	1L5XX 4.74	5.22

* Provided only to existing customers and services working as of January 1, 1995.

@ Non-recurring charges associated with the installation of Access Advantage Plus on a 3 year Term Pricing Plan are waived.

All USOCs are used in CABS and CRIS billing systems.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(B) Advanced Digital Network (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
(3) Optional Features and Functions			
(a) Bridging*			
- per port	DFOCO	\$5.69 (R)	None
(b) Secondary Channel*			
- per station	DFOSC	4.60	None
(c) Network Control and Diagnostics*#			
- per station	DFODG	7.58 (R)	None

* Not available with 1.544 Mbps service.

Provided only to existing customers and services working as of January 1, 1995.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(B) Advanced Digital Network (Cont'd)

	<u>USOC</u> CABS/CRIS	<u>Monthly</u> <u>Rates</u>	<u>Nonrecurring</u> <u>Charges</u>	(N)
(3) <u>Optional Features and Functions</u> (Cont'd)				
(d) <u>Network Reconfiguration Service</u>				

(D)
 |
 (D)

- per Channel Termination

- DS0	DFOCO	\$ 10.00	(I)	None
- DS1	DFOCO	40.00	(I)	None

- Per service arrangement

- 4 DS0	N8RPX/DFOC4	12.50	(I)	None
- 6 DS0	N8RQX/DFOC6	15.00		None
- 8 DS0	N8RRX/DFOC8	17.50		None
- 12 DS0	N8ROX/DFOC1	20.00		None
- 24 DS0	DFOCO	40.00	(I)	None

Material omitted now on Sheet 330-C-1.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(B) Advanced Digital Network (Cont'd)

	<u>USOC</u> CABS/CRIS	<u>Monthly</u> <u>Rates</u>	<u>Nonrecurring</u> <u>Charges</u>	(N)
(3) Optional Features and Functions (Cont'd)				
(d) Network Reconfiguration Service (Cont'd)				
Network Reconfiguration Service Database				(N)
- Per Customer database	FN6DD	\$120.00	\$2,400.00	
Network Reconfiguration Service Access Arrangement				
- per Secure ID Card	RNQPA	120.00	None	(N)
(e) Advanced Digital Network Channel Interface				
- per channel	PYVD8/MQQ	25.03	338.51	(L)
(f) Central Office Multiplexing				
- Per arrangement				
- Up to 20 2.4 kbps services	QSU24	118.53	None	
- Up to 10 4.8 kbps services	QSU48	118.53	None	
- Up to 5 9.6 kbps services	QSU96	118.53	None	

(L) Formerly on Sheet 330-C.
 Material omitted now on Sheet 330-C-2.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
			<u>1st</u>	<u>Add'l.</u>
	CABS/CRIS			
(1) Channel Termination - Per point of termination				
(a) <u>DS1 1.544 Mbps Service</u>				
Month to Month - at an End User location	TMECS/TMECS	\$165.94	\$600.69	NA ¹
Month to Month - at an IC POT location	TMEPS/TMEPS	71.12	600.69	NA ¹
- 1 Year Term Plan at an End User location	TMECS/T6XG1	160.00	600.69	NA ¹
- 1 Year Term Plan at an IC POT location	TMEPS/T6XL1	71.12	600.69	NA ¹
- 2 Year Term Plan at an End User location	TMECS/T6XG2	155.00	None (R)	NA ¹
- 2 Year Term Plan at an IC POT location	TMEPS/T6XL2	71.12	600.69	NA ¹

NOTE 1: For DS1 1.544 Mbps service, the charge for each point of termination is the charge shown for the 1st charge.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
			<u>1st</u>	<u>Add'l.</u>
	CABS/CRIS			
(1) Channel Termination - Per point of termination (Cont'd)				
- 3 Year Term Plan at an End User location	TMECS/T6XG3	140.00	None ¹	NA
- 3 Year Term Plan at an IC POT location	TMEPS/T6XL3	71.12	None ¹	NA (T)
- 5 Year Term Plan at an End User location	TMECS/T6XG5	130.00	None ¹	NA
- 5 Year Term Plan at an IC POT location	TMEPS/T6XL5	71.12	None ¹	NA (T)

NOTE 1: For customers ordering a new DS1 service who choose a Term Payment Plan (TPP) period of 3 years or greater in length, the Nonrecurring Charge (NRC) will not apply for new service; however customers requesting termination of service prior to the completion of a minimum of 3 years or greater TPP will be liable for full payment of NRC charges at currently effective month-to-month rates.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

	USOC	Monthly Rates	Nonrecurring Charges	
			1st	Add'l.
CABS/CRIS				
(1) Channel Termination				
- Per point of termination (Cont'd)				
- 3 Year Term Plan at an End User location	TMECS/T6XG3	140.00	None*	NA (T)
- 3 Year Term Plan at an IC POT location	TMEPS/T6XL3	71.12	None*	NA (T)
- 5 Year Term# Plan at an End User location	TMECS/T6XG5	130.00	None*	NA (N) (T)
- 5 Year Term# Plan at an IC POT location	TMEPS/T6XL5	71.12	None*	NA (N) (T)

* For customers ordering a new DS1 service who choose a Term Payment Plan (TPP) period of 3 years of greater in length, the Nonrecurring Charge (NRC) will not apply for new service; however customers requesting termination of service prior to the completion of a minimum of 3 years or greater TPP will be liable for full payment of NRC charges at currently effective month-to-month rates. (T)

As of November 1, 2013, Term Pricing Plan terms greater than 36 months are no longer available for new or renewing subscribers. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>		
			<u>1st</u>	<u>Add'l</u>	
	CABS/CRIS				(N)
(1) Channel Termination (Cont'd)					
- Per point of termination					
Fiber Advantage sm DS1					
- 1 Year Rate Stability Plan					
- at an End User location	FAMCP/FA1CP	156.45	600.69	NA ¹	(T)
- at an IC POT location	FAMPP/FA1PP	113.79	600.69	NA ¹	(T)
- 3 Year Rate Stability Plan					
- at an End User location	FAMCP/FA3CP	146.97	None	None	
- at an IC POT location	FAMPP/FA3PP	109.04	None	None	
- 5 Year Rate Stability Plan					
- at an End User location	FAMCP/FA5CP	137.49	None	None	
- at an IC POT location	FAMPP/FA5PP	104.30	None	None	
(b) 3.152 Mbps	TWT++	ICB	ICB	ICB	
(c) 6.312 Mbps	TWT++	ICB	ICB	ICB	

NOTE 1: For DS1 1.544 service, the charge for each point of termination is (T) the charge shown for the 1st charge.
 (L) Material omitted now on Sheet 330-D-1.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

	USOC	Monthly Rates	Nonrecurring Charges		
			1st	Add'l	
	CABS/CRIS				
(1) Channel Termination (Cont'd)					
- Per point of termination					
Fiber Advantage SM DS1					
- 1 Year Rate Stability Plan					
- at an End User location	FAMCP/FA1CP	156.45	600.69	NA*	(T)
- at an IC POT location	FAMPP/FA1PP	113.79	600.69	NA*	(T)
- 3 Year Rate Stability Plan					
- at an End User location	FAMCP/FA3CP	146.97	None	None	
- at an IC POT location	FAMPP/FA3PP	109.04	None	None	
- 5 Year Rate# Stability Plan					(N)
- at an End User location	FAMCP/FA5CP	137.49	None	None	
- at an IC POT location	FAMPP/FA5PP	104.30	None	None	
(b) 3.152 Mbps	TWT++	ICB#	ICB	ICB	(N)
(c) 6.312 Mbps	TWT++	ICB#	ICB	ICB	(N)

* For DS1 1.544 service, the charge for each point of termination is the charge shown for the 1st charge.

As of November 1, 2013, Term Pricing Plan terms greater than 36 months are no longer available for new or renewing subscribers. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

	USOC CABS/CRIS	Monthly Rates	Nonrecurring Charges		(N)
			1st	Add'l.	
(1) Channel Termination (Cont'd)					(T) (D)
- Per point of termination					
(d) Fiber Advantage SM DS3 and DS3x3 Rate Stability Payment Plan (Cont'd)					(T)
(ii) 3 Year Plan					
- Fiber Advantage SM DS3 with Terminal Equipment at an End User location	Z3MAC/Z33AC	\$2,086.06	NONE	NA*	(T)
Monthly Extension Rate					(N)
	Z3MAC/TVJ8X	3,500.00	NA	NA	(N)
- Fiber Advantage SM DS3 with Terminal Equipment at an IC POT location	Z3MAP/Z33AP	1,706.78	NONE	NA*	(T)
Monthly Extension Rate					(N)
	Z3MAP/TVJ4X	2,750.00	NA	NA	(N)

* For DS3 service, the charge for each point of termination is the charge shown for the 1st charge.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

	USOC CABS/CRIS	Monthly Rates	Nonrecurring Charges		(N)
			1st	Add'l.	
(1) Channel Termination (Cont'd)					(T) (D)
- Per point of termination					
(d) Fiber Advantage SM DS3 and DS3x3 Rate Stability Payment Plan (Cont'd)					(T)
(ii) 3 Year Plan (Cont'd)					
- Fiber Advantage SM DS3 without Terminal Equipment at an End User location	ZOMAC/ZO3AC	\$1,517.14	NONE	NA*	(T)
Monthly Extension Rate					(N)
	ZOMAC/TVJ9X	2,400.00	NA	NA	(N)
- Fiber Advantage SM DS3 without Terminal Equipment at an IC POT location	ZOMAP/ZO3AP	1,185.26	NONE	NA*	(T)
Monthly Extension Rate					(N)
	ZOMAP/TVJ6X	2,000.00	NA	NA	(N)

* For DS3 service, the charge for each point of termination is the charge shown for the 1st charge. (T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

	USOC CABS/CRIS	Monthly Rates	Nonrecurring Charges		(N)
			1st	Add'l.	
(1) Channel Termination (Cont'd)					(T) (D)
- Per point of termination					
(d) Fiber Advantage SM DS3 and DS3x3 Rate Stability Payment Plan (Cont'd)					(T)
(ii) 3 Year Plan (Cont'd)					
- Fiber Advantage SM DS3x3 with Terminal Equipment at an End User location	Z3MAC/Z33AC	\$4,077.30	NONE	NA*	(T)
Monthly Extension Rate	Z3MAC/TVJ8X	9,250.00	NA	NA	(N) (N)
- Fiber Advantage SM DS3x3 with Terminal Equipment at an IC POT location	Z3MAP/Z33AP	3,318.74	NONE	NA*	(T)
Monthly Extension Rate	Z3MAP/TVJ4X	7,750.00	NA	NA	(N) (N)
- Fiber Advantage SM DS3x3 without Terminal Equipment at an End User location	Z0MAC/Z03AC	2,560.17	NONE	NA*	(T)
Monthly Extension Rate	Z0MAC/TVJ9X	5,500.00	NA	NA	(N) (N)

* For DS3 service, the charge for each point of termination is the charge shown for the 1st charge.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

	USOC CABS/CRIS	Monthly Rates	Nonrecurring Charges		
			1st	Add'l.	(N)
(1) Channel Termination (Cont'd)					(T)
- Per point of termination					(D)
(d) Fiber Advantage SM					(T)
DS3 and DS3x3 Rate Stability Payment Plan (Cont'd)					
(ii) 3 Year Plan (Cont'd)					
- Fiber Advantage SM					(T)
DS3x3 without Terminal Equipment at an IC POT location	ZOMAP/ZO3AP	\$1,896.42	NONE	NA*	(T)
Monthly Extension Rate					(N)
	ZOMAP/TVJ6X	4,500.00	NA	NA	(N)
- Fiber Advantage SM					(T)
DS3x12 with Terminal Equipment at an End User location	Z3MAC/Z23EE	11,378.52	NONE	NA*	(T)
Monthly Extension Rate					(N)
	Z3MAC/TVJ8X	15,400.00	NA	NA	(N)
- Fiber Advantage SM					(T)
DS3x12 with Terminal Equipment at an IC POT location	Z3MAP/Z23AE	10,430.31	NONE	NA*	(T)
Monthly Extension Rate					(N)
	Z3MAP/TVJ4X	14,100.00	NA	NA	(N)

* For DS3 service, the charge for each point of termination is the charge shown for the 1st charge. (T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

	USOC CABS/CRIS	Monthly Rates	Nonrecurring Charges		(N)
			1st	Add'l.	
(1) Channel Termination (Cont'd)					(T) (D)
- Per point of termination					
(d) Fiber Advantage SM DS3 and DS3x3 Rate Stability Payment Plan (Cont'd)					(T)
(ii) 3 Year Plan (Cont'd)					
- Fiber Advantage SM					(T)
- DS3x12 without Terminal Equipment at an End User location	ZOMAC/Z23EO	\$8,344.25	NONE	NA*	(T)
Monthly Extension Rate					(N)
	ZOMAC/TVJ9X	11,250.00	NA	NA	(N)
- Fiber Advantage SM DS3x12 without Terminal Equipment at an IC POT location	ZOMAP/Z23AO	7,396.04	NONE	NA*	(T)
Monthly Extension Rate					(N)
	ZOMAP/TVJ6X	10,000.00	NA	NA	(N)
* For DS3 service, the charge for each point of termination is the charge shown for the 1st charge.					(T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

	USOC CABS/CRIS	Monthly Rates	Nonrecurring Charges		(N)
			1st	Add'l.	
(1) Channel Termination (Cont'd)					(T) (D)
- Per point of termination					
(d) Fiber Advantage SM DS3 and DS3x3 Rate Stability Payment Plan (Cont'd)					(T)
(iii) 5 Year Plan					
- Fiber Advantage SM DS3 with Terminal Equipment at an End User location	Z3MAC/Z35AC	\$1,896.42	NONE	NA*	(T)
Monthly Extension Rate	Z3MAC/TVJ8X	3,500.00	NA	NA	(N) (N)
- Fiber Advantage SM DS3 with Terminal Equipment at an IC POT location	Z3MAP/Z35AP	1,517.14	NONE	NA*	(T)
Monthly Extension Rate	Z3MAP/TVJ4X	2,750.00	NA	NA	(N) (N)
- Fiber Advantage SM DS3 without Terminal Equipment at an End User location	Z0MAC/Z05AC	1,327.49	NONE	NA*	(T)
Monthly Extension Rate	Z0MAC/TVJ9X	2,400.00	NA	NA	(N) (N)

* For DS3 service, the charge for each point of termination is the charge shown for the 1st charge. (T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

	USOC CABS/CRIS	Monthly Rates	Nonrecurring Charges		(N)
			1st	Add'l.	
(1) Channel Termination (Cont'd)					(T) (D)

- Per point of termination

(d) Fiber AdvantageSM (T)
 DS3 and DS3x3
 Rate Stability
 Payment Plan (Cont'd)

(iii) 5 Year Plan (Cont'd)

- Fiber AdvantageSM (T)
 DS3 without
 Terminal
 Equipment
 at an
 IC POT
 location Z0MAP/Z05AP \$1,090.44 NO NA* (T)

Monthly Extension Rate (N)
 Z0MAP/TVJ6X 2,000.00 NA NA (N)

- Fiber AdvantageSM (T)
 DS3x3 with
 Terminal
 Equipment at
 an End User
 location Z3MAC/Z35AC 3,603.20 NONE NA* (T)

Monthly Extension Rate (N)
 Z3MAC/TVJ8X 9,250.00 NA NA (N)

- Fiber AdvantageSM (T)
 DS3x3 with
 Terminal
 Equipment at
 an IC POT
 location Z3MAP/Z35AP 2,844.63 NO NA* (T)

Monthly Extension Rate (N)
 Z3MAP/TVJ4X 7,750.00 NA NA (N)

* For DS3 service, the charge for each point of termination is the charge shown for the 1st charge. (T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

	USOC CABS/CRIS	Monthly Rates	Nonrecurring Charges		
			1st	Add'l.	(N)
(1) Channel Termination (Cont'd)					(T) (D)
- Per point of termination					
(d) Fiber Advantage SM DS3 and DS3x3 Rate Stability Payment Plan (Cont'd)					(T)
(iii) 5 Year Plan (Cont'd)					
- Fiber Advantage SM DS3x3 without Terminal Equipment at an End User location	ZOMAC/ZO5AC	\$2,180.88	NONE	NA*	(T)
Monthly Extension Rate					(N)
	ZOMAC/TVJ9X	5,500.00	NA	NA	(N)
- Fiber Advantage SM DS3x3 without Terminal Equipment at an IC POT location	ZOMAP/ZO5AP	1,706.78	NO	NA*	(T)
Monthly Extension Rate					(N)
	ZOMAP/TVJ6X	4,500.00	NA	NA	(N)

* For DS3 service, the charge for each point of termination is the charge shown for the 1st charge. (T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

	USOC	Monthly	Nonrecurring		
	CABS/CRIS	Rates	1st	Add'l.	(N)

(1) Channel Termination (Cont'd)					(T)
					(D)

- Per point of termination

(d) Fiber Advantage SM					(T)
DS3 and DS3x3					
Rate Stability					
Payment Plan (Cont'd)					

(iii) 5 Year Plan (Cont'd)

- Fiber Advantage SM					(T)
DS3x12 with					
Terminal					
Equipment at					
an End User					
location	Z3MAC/Z25EE	\$9,008.00	NONE	NA*	(T)

Monthly Extension Rate					(N)
	Z3MAC/TVJ8X	15,400.00	NA	NA	(N)

- Fiber Advantage SM					(T)
DS3x12 with					
Terminal					
Equipment at					
an IC POT					
location	Z3MAP/Z25AE	8,059.79	NONE	NA*	(T)

Monthly Extension Rate					(N)
	Z3MAP/TVJ4X	14,100.00	NA	NA	(N)

- Fiber Advantage SM					(T)
DS3x12					
without					
Terminal					
Equipment at					
an End User					
location	Z0MAC/Z25EO	6,732.29	NONE	NA*	(T)

Monthly Extension Rate					(N)
	Z0MAC/TVJ9X	11,250.00	NA	NA	(N)

* For DS3 service, the charge for each point of termination is the charge shown for the 1st charge. (T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

	USOC CABS/CRIS	Monthly Rates	Nonrecurring Charges		
			1st	Add'l.	(N)
(1) Channel Termination (Cont'd)					(T)
- Per point of termination					(D)
					(T)
					(D)
(d) Fiber Advantage SM					(T)
DS3 and DS3x3					
Rate Stability					
Payment Plan					
(Cont'd)					
(iii) 5 Year Plan (Cont'd)					
- Fiber Advantage SM					(T)
DS3x12					
without					
Terminal					
Equipment					
at an					
IC POT					
location	ZOMAP/Z25AO	\$5,784.08	NONE	NA *	(T)
Monthly Extension Rate					(N)
	ZOMAP/TVJ6X	10,000.00	NA	NA	(N)
(e) 274.176 Mbps TWT++		ICB	ICB	ICB	

* For DS3 service, the charge for each point of termination is the charge shown for the 1st charge. (T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

(2) Channel Mileage

		<u>Monthly Rates</u>		
	<u>USOC</u>	<u>Fixed</u>	<u>Per Mile</u>	
	CABS/CRIS			(N)
(a) <u>1.544 Mbps</u>				
(i) Mileage Bands				
Month-to-month				(N)
0	1L5XX/1L5XX	None	None	(T)
Over 0	1L5XX/1L5XX	\$118.53	\$23.71	(T)
One Year Term Plan				(N)
0	1L5XX/1L5X1	None	None	
Over 0	1L5XX/1L5X1	\$105.00	\$20.00	
Two Year Term Plan				
0	1L5XX/1L5PS	None	None	
Over 0	1L5XX/1L5PS	\$95.00	\$18.00	
Three Year Term Plan				
0	1L5XX/1L5X3	None	None	
Over 0	1L5XX/1L5X3	\$85.00	\$17.00	
Five Year Term Plan				
0	1L5XX/1L5X5	None	None	
Over 0	1L5XX/1L5X5	\$75.00	\$16.00	(N)
Fiber Advantage sm				
0	1L5XX	None	None	
Over 0	1L5XX	118.53	\$23.71	

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

(2) Channel Mileage

	<u>USOC</u>	<u>Monthly Rates</u>	
		<u>Fixed</u>	<u>Per Mile</u>
	CABS/CRIS		
(a) <u>1.544 Mbps</u>			
(i) Mileage Bands			
Month-to-month			
0	1L5XX/1L5XX	None	None
Over 0	1L5XX/1L5XX	\$118.53	\$23.71
One Year Term Plan			
0	1L5XX/1L5X1	None	None
Over 0	1L5XX/1L5X1	\$105.00	\$20.00
Two Year Term Plan			
0	1L5XX/1L5PS	None	None
Over 0	1L5XX/1L5PS	\$95.00	\$18.00
Three Year Term Plan			
0	1L5XX/1L5X3	None	None
Over 0	1L5XX/1L5X3	\$85.00	\$17.00
Five Year Term Plan*			
0	1L5XX/1L5X5	None	None
Over 0	1L5XX/1L5X5	\$75.00	\$16.00
Fiber Advantage SM			
0	1L5XX	None	None
Over 0	1L5XX	118.53	\$23.71

* As of November 1, 2013, Term Pricing Plan terms greater than 36 months are no longer available for new or renewing subscribers. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

(2) Channel Mileage

	<u>USOC</u>	<u>Monthly Rates</u>		
		<u>Fixed</u>	<u>Per Mile</u>	
(a) 1.544 Mbps				
(ii) Flexible Mileage				
4 Channels				
0	1YSCS/FT1M4	None	None	(T)
Over 0	1YSCS/FT1M4	\$118.53	\$ 7.59	
6 Channels				
0	1YSDS/FT1M6	None	None	
Over 0	1YSDS/FT1M6	118.53	9.01	
8 Channels				
0	1YSES/FT1M8	None	None	
Over 0	1YSES/FT1M8	118.53	10.43	
12 Channels				
0	1YSFS/FT1M1	None	None	
Over 0	1YSFS/FT1M1	118.53	12.33	
24 Channels				
0	1YSGS/FT1M2	None	None	
Over 0	1YSGS/FT1M2	118.53	23.71	(T)
Change in Capacity			<u>Nonrecurring Charge</u>	
Per circuit	NRBFZ/SCCFT	\$237.05		(T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

(2) Channel Mileage (Cont'd)

		<u>USOC</u>	<u>Monthly Rates</u>		
			<u>Fixed</u>	<u>Per Mile</u>	
(b) 3.152 Mbps					
Mileage Bands					
	0	1LO++	None	None	
	Over 0	1LO++	ICB	ICB	
Fiber Advantage sm					
	0	1LO++	None	None	(N)
	Over 0	1LO++	ICB	ICB	(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

(2) Channel Mileage (Cont'd)

(c) 6.312 Mbps

Mileage Bands	USOC	Monthly Rates		
		Fixed	Per Mile	
0	1LO++	None	None	
Over 0	1LO++	ICB	ICB	
Fiber Advantage sm				(N)
0	1LO++	None	None	
Over 0	1LO++	ICB	ICB	(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

(2) Channel Mileage

(d) Fiber AdvantageSM 44.736 Mbps* (T)

	USOC	<u>Monthly Rates</u>		
	<u>CRIS/CABS</u>	<u>Fixed</u>	<u>Per Mile</u>	(N)

Mileage Bands

- 1 Year Plan

0	1L5XX	None	None	
Over 0	1L5XX	\$ 789.86	\$62.58	

Monthly Extension Rate - 1 Year Plan (N)

0	1YA1X/1L5XX	None	None	
Over 0	1YA1X/1L5XX	1,075.00	85.00	(N)

- 3 Year Plan

0	1L5X3/1L5XX	None	None	
Over 0	1L5X3/1L5XX	640.04	41.72	

Monthly Extension Rate - 3 Year Plan (N)

0	1YA1X/1L5XX	None	None	
Over 0	1YA1X/1L5XX	1,075.00	85.00	(N)

- 5 Year Plan

0	1L5X5/1L5XX	None	None	
Over 0	1L5X5/1L5XX	616.34	41.72	

Monthly Extension Rate - 5 Year Plan (N)

0	1YA1X/1L5XX	None	None	
Over 0	1YA1X/1L5XX	1,075.00	85.00	(N)

Fiber AdvantageSM (T)

0	1L0++	None	None	
Over 0	1L0++	ICB	ICB	

(e) 274.176 Mbps

Mileage Bands

0	1L0++	None	None	
Over 0	1L0++	ICB	ICB	

Fiber AdvantageSM (T)

0	1L0++	None	None	
Over 0	1L0++	ICB	ICB	

* If a customer chooses to order a DS3x3 service, the channel mileage applicable to that service would be three times the appropriate channel mileage rates.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

(2) Channel Mileage

(d) Fiber AdvantageSM 44.736 Mbps*

	USOC	<u>Monthly Rates</u>		
	<u>CRIS/CABS</u>	<u>Fixed</u>	<u>Per Mile</u>	
Mileage Bands				
- 1 Year Plan				
0	1L5XX	None	None	
Over 0	1L5XX	\$ 789.86	\$62.58	
Monthly Extension Rate - 1 Year Plan				
0	1YA1X/1L5XX	None	None	
Over 0	1YA1X/1L5XX	1,075.00	85.00	
- 3 Year Plan				
0	1L5X3/1L5XX	None	None	
Over 0	1L5X3/1L5XX	640.04	41.72	
Monthly Extension Rate - 3 Year Plan				
0	1YA1X/1L5XX	None	None	
Over 0	1YA1X/1L5XX	1,075.00	85.00	
- 5 Year Plan#				(N)
0	1L5X5/1L5XX	None	None	
Over 0	1L5X5/1L5XX	616.34	41.72	
Monthly Extension Rate - 5 Year Plan #				(N)
0	1YA1X/1L5XX	None	None	
Over 0	1YA1X/1L5XX	1,075.00	85.00	
Fiber Advantage SM				
0	1L0++	None	None	
Over 0	1L0++	ICB#	ICB#	(N)

(e) 274.176 Mbps

Mileage Bands				
0	1L0++	None	None	
Over 0	1L0++	ICB#	ICB#	(N)
Fiber Advantage SM				
0	1L0++	None	None	
Over 0	1L0++	ICB#	ICB#	(N)

* If a customer chooses to order a DS3x3 service, the channel mileage applicable to that service would be three times the appropriate channel mileage rates.

As of November 1, 2013, Term Pricing Plan terms greater than 36 months are no longer available for new or renewing subscribers. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>		
			<u>1st</u>	<u>Add'l</u>	
	CABS/CRIS				(N)
(3) Optional Features and Functions					
(a) Multiplexing					
<u>DS4 to DS1 or Fiber Advantagesm DS1</u>					
- Per arrangement	MXA++	ICB	None	None	
<u>DS3 to DS1 or Fiber Advantagesm DS1</u>					
- Per arrangement					(T)
Option 1@	MQ3 [#]	\$379.28	\$379.28	\$284.46	
Option 2@@	MQ4 [#]	\$379.28	\$379.28	\$284.46	(T)
Three Year Term Plan					(T)
- Per arrangement					
Option 1@	MQ3/MQ3X3	340.00	379.28	284.46	(N)
Option 2@@	MQ4/MXNU3	340.00	379.28	284.46	
Five Year Term Plan					
- Per Arrangement					
Option 1@	MQ3/MQ3X5	310.00	379.28	284.46	
Option 2@@	MQ4/MXNU5	310.00	379.28	284.46	(N)

@ A channel of this DS3 can be connected to a DS1.

@@ A channel of this DS3 can be connected to a DS1 and reconfigured within the DCS hub.

* A channel of this DS1 to the Hub can be used for a Digital Data Service.

Both USOCs are used in CABS and CRIS billing systems.

Material omitted now on Sheet 335-A.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
			<u>1st</u>	<u>Add'l</u>
CABS/CRIS				
(3) Optional Features and Functions				
(a) Multiplexing				
<u>DS4 to DS1 or Fiber Advantagesm DS1</u>				
- Per arrangement	MXA++	ICB	None	None
<u>DS3 to DS1 or Fiber Advantagesm DS1</u>				
- Per arrangement				
Option 1@	MQ3 [#]	\$379.28	\$379.28	\$284.46
Option 2@@	MQ4 [#]	\$379.28	\$379.28	\$284.46
Three Year Term Plan				
- Per arrangement				
Option 1@	MQ3/MQ3X3	340.00	379.28	284.46
Option 2@@	MQ4/MXNU3	340.00	379.28	284.46
Five Year Term Plan**				(N)
- Per Arrangement				
Option 1@	MQ3/MQ3X5	310.00	379.28	284.46
Option 2@@	MQ4/MXNU5	310.00	379.28	284.46

@ A channel of this DS3 can be connected to a DS1.

@@ A channel of this DS3 can be connected to a DS1 and reconfigured within the DCS hub.

* A channel of this DS1 to the Hub can be used for a Digital Data Service.

** As of November 1, 2013, Term Pricing Plan terms greater than 36 months are no longer available for new or renewing subscribers. (N)

Both USOCs are used in CABS and CRIS billing systems. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

	USOC	Monthly Rates	Nonrecurring Charges 1st	Add'l	
	CABS/CRIS				(N)
(3) <u>Optional Features and Functions</u> (Cont'd)					
(a) Multiplexing (Cont'd)					
<u>DS2 to DS1 or Fiber Advantagesm DS1</u>					(L)
- Per arrangement	MXD++	ICB	None	None	
<u>DS1C to DS1 or Fiber</u>					
Advantage sm DS1					
- Per arrangement	MXH++	ICB	None	None	
<u>Fiber Advantagesm DS1 to Voice (VG)*</u>					(T)
- Per arrangement	MQ1 [#]	\$ 308.17	None	None	(T) (L)
<u>DS1 1.544 DS1 to Voice (VG)</u>					(N)
- Per arrangement	MQ1	308.17	None	None	
Month-to-Month					
<u>DS1 to Voice (VG)*</u>					
- Per arrangement	MQ1 [#] /MXNT1	\$ 290.00	None	None	
One Year Term Plan					
<u>DS1 to Voice (VG)*</u>					
- Per arrangement	MQ1 [#] /MXNT2	\$ 265.00	None	None	(N)
Two Year Term Plan					

* A channel of this DS1 to the Hub can be used for a Digital Data Service.
 # Both USOCs are used in CABS and CRIS billing systems.
 (L) Formerly located on Sheet 335.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

(N)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
			<u>1st</u>	<u>Add'l</u>
CABS/CRIS				
(3) Optional Features and Functions (Cont'd)				
(a) Multiplexing (Cont'd)				
DS1 to Voice (VG) *				
- Per arrangement	MQ1 [#] /MXNT3	\$255.00	None	None
Three Year Term Plan				
DS1 to Voice (VG) *				
- Per arrangement	MQ1 [#] /MXNT5	245.00	None	None
Five Year Term Plan				

(N)

* A channel of this DS1 to the Hub can be used for a Digital Data Service.
 # Both USOCs are used in CABS and CRIS billing systems.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
			<u>Init.</u>	<u>Subseq.</u>
(3) Optional Features and Functions (Cont'd)				
(b) Automatic Loop Transfer#				
- Per arrangement*	T59	\$97.67 (R)	None	None
(c) Transfer Arrangement# (key activated** or dial up***)				
- Per four port arrangement including control channel termination****	USV	5.54 (R)	None	None

Provided only to existing customers and services working as of January 1, 1995.

* An additional channel termination charge will apply whenever the spare line is provided as a leg to the customer premises.

** The key activated control Channel is rated as a Metallic Channel Termination (use USOC: T6EME in lieu of T6ECS) and Channel Mileage, if applicable (use USOC: 1L5MX in lieu of 1L5XX). The key activated option requires the customer to provide the key switch.

*** The Dial-up option requires the customer to purchase the Controller Arrangement (USOC: XTDDU) from Section 13.3.10 following.

**** An additional Channel Termination charge will apply whenever a spare Channel is configured to the customer's premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
(3) Optional Features and Functions (Cont'd)				
(d) Synchronous Timing - per port	SYNTM	\$ 71.12	None	
(e) Digital Cross-Connect System Interface Arrangement				
(i) Advanced Digital Network Interface Arrangement - per termination	MQO	80.79	None	
(ii) High Capacity Service Interface Arrangement - per termination	MQO	80.79	None	
(f) Network Reconfiguration Service - per Fiber Advantage sm DS3 termination [#] , per channel termination	CNND3	300.00	(I) None	(T) (N) (N) (D) (D)
(g) Clear Channel Capability* - Per Circuit Arranged	CCO	None	\$375.00	

* Nonrecurring Charge applies only to subsequent installation or removal of the Clear Channel Capability feature. Not applicable if Clear Channel provided upon original installation of the 1.544 Mbps Hicap.

Allows arrangements as set forth in 7.2.8, (B) (1) preceding.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

(8) Thank-You For Reterming High Capacity Service Promotion (N)

A retail promotion period shall be established from July 1, 2010 through October 31, 2010.

Eligible business customers will receive a one-time bill credit of \$150.00 per existing High Capacity Service circuit for which the customer enters into a new term payment plan of 24 months or longer during this promotion period. This credit will be applied to the bill after the new term payment plan is established.

Eligible customers are those customers who have at least one Local Distribution Channel, and are either on month-to-month billing, or on an expired term payment plan (TPP) or Individual Contract Basis (ICB), or on a TPP or ICB that expires within 90 days of the establishment of the new term payment plan.

All other terms and conditions applicable to High Capacity Service apply.

In addition to the eligibility criteria noted above, the customer must not have had service disconnected for nonpayment, and must not have any past due bills for regulated service(s) owed to the Company.

(N)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

(8) Thank-You For Reterming High Capacity Service Promotion

A retail promotion period shall be established from July 1, 2010 through December 31, 2010.

(C)

Eligible business customers will receive a one-time bill credit of \$150.00 per existing High Capacity Service circuit for which the customer enters into a new term payment plan of 24 months or longer during this promotion period. This credit will be applied to the bill after the new term payment plan is established.

Eligible customers are those customers who have at least one Local Distribution Channel, and are either on month-to-month billing, or on an expired term payment plan (TPP) or Individual Contract Basis (ICB), or on a TPP or ICB that expires within 90 days of the establishment of the new term payment plan.

All other terms and conditions applicable to High Capacity Service apply.

In addition to the eligibility criteria noted above, the customer must not have had service disconnected for nonpayment, and must not have any past due bills for regulated service(s) owed to the Company.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(C) High Capacity Service (Cont'd)

(9) Thank-You For Reterming High Capacity Service Promotion (N)

A retail promotion period shall be established from August 30, 2011, through March 31, 2012.

Eligible business customers will receive a one-time bill credit of \$150.00 per existing High Capacity Service circuit for which the customer enters into a new term payment plan of 24 months or longer during this promotion period. This credit will be applied to the bill after the new term payment plan is established.

Eligible customers are those customers who have at least one Local Distribution Channel, and are on month-to-month billing, an expired term payment plan (TPP) or Individual Contract Basis (ICB), a TPP or ICB that expires within 90 days of the establishment of the new term payment plan, or who have entered into a new term agreement within the previous 60 days of the effective date of this promotion.

All other terms and conditions applicable to High Capacity Service apply.

In addition to the eligibility criteria noted above, the customer must not have had service disconnected for nonpayment, and must not have any past due bills for regulated service(s) owed to the Company.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 OC-192 Dedicated SONET Ring Service

(A) Node - per Node

	USOC		
	<u>CRIS/CABS</u>	<u>Monthly Rate</u>	
<u>3 Year Term Plan</u>			(T)
Customer Premises Node			(T)
- First, 3 Year Plan	GP5++/GP5AX	\$ 22,000.00	
- Additional, 3 Year Plan	GP5++/GP5AA	\$ 19,650.00	
Central Office Node	GC5++/GP5AX	\$ 19,650.00	(T)
<u>3 Year Term Plan, Re-Map Node*</u>			(N)
Customer Premises Re-Map Node			
- First	RNFAX/RNFAX	\$ 19,800.00	
- Additional	RNFAX/RNFAX	\$ 17,800.00	(N)

* Re-Map Node offered as Customer Premises Node only.

Material omitted now located on Sheets 338-P-1, 338-P-2 and 338-S-1. (N)

Continued

ACCESS SERVICE

7. Special Access Service (cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 OC-192 Dedicated SONET Ring Service

(A) Node - per Node

	USOC <u>CRIS/CABS</u>	<u>Monthly Rate</u>
<u>3 Year Term Plan</u>		
Customer Premises Node		
- First, 3 Year Plan	GP5++/GP5AX	\$ 22,000.00
- Additional, 3 Year Plan	GP5++/GP5AA	\$ 19,650.00
Central Office Node	GC5++/GP5AX	\$ 19,650.00

(D)
|
(D)

(D)
(D)

Continued

ACCESS SERVICE

7. Special Access Service (cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 OC-192 Dedicated SONET Ring Service (Cont'd)

(A) Node - per Node (Cont'd)

	USOC		(T)
	<u>CRIS/CABS</u>	<u>Monthly Rate</u>	(N)
<u>5 Year Term Plan</u>			(T)
Customer Premises Node			(T) (L)
- First, 5 Year Plan	GP5++/GP5AX	\$ 17,650.00	
- Additional, 5 Year Plan	GP5++/GP5AA	\$ 15,700.00	(L)
Central Office Node	GC5++/GP5AX	\$ 15,700.00	(T)
<u>5 Year Term Plan, Re-Map Node*</u>			(N)
Customer Premises Re-Map Node			
- First	RNFAX/RNFAX	\$ 16,000.00	
- Additional	RNFAA/RNFAA	\$ 14,200.00	(N)

* Re-Map Node offered as Customer Premises Node only.

(L) Material formerly located on Sheet 338-P.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 OC-192 Dedicated SONET Ring Service (Cont'd)

(A) Node - per Node (Cont'd)

	USOC <u>CRIS/CABS</u>	<u>Monthly Rate</u>
<u>5 Year Term Plan</u>		
Customer Premises Node		
- First, 5 Year Plan	GP5++/GP5AX	\$ 17,650.00
- Additional, 5 Year Plan	GP5++/GP5AA	\$ 15,700.00
Central Office Node	GC5++/GP5AX	\$ 15,700.00

(D)
|
(D)

(D)

(D)

Continued

ACCESS SERVICE

7. Special Access Service (cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 OC-192 Dedicated SONET Ring Service (Cont'd)

(A) Node - per Node (Cont'd)

	USOC		
	<u>CRIS/CABS</u>	<u>Monthly Rate</u>	
<u>Monthly Extension</u>			(N)
Customer Premises Node			(T)
- First	GP5++/GP5++	\$ 33,000.00	(L)
- Additional	GP5++/GP5++	\$ 29,475.00	(L)
Central Office Node	GC5++/GP5++	\$ 29,475.00	(T) (L)
<u>Monthly Extension Rate, Re-Map Node*</u>			(N)
Customer Premises Re-Map Node			(N)
- First	RNFAX/RNFAX	\$ 33,000.00	(N)
- Additional	RNFAA/RNFAA	\$ 29,475.00	(N)

* Re-Map Node offered as Customer Premises Node only.

(L) Material formerly located on Sheet 338-P.

(N)

Continued

ACCESS SERVICE

7. Special Access Service Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 OC-192 Dedicated SONET Ring Service (Cont'd)

(B) Ports (T)

(1) Per Node Type

	USOC CRIS/CABS	Monthly Rate	(T) (T)
<u>3 year Plan</u>			
- DS1 at OC-192 Node	S9QWX/S9QWX	\$ 50.00	
- DS3 at OC-192 Node	S9QG3/S9QG3	120.00	
- OC-3,OC-3c at OC-192 Node	S9NE3/S9NEX	150.00	
- OC-12, OC-12c at OC-192 Node	S9NG3/S9NGX	375.00	
- OC-48, OC-48c at OC-192 Node	S9NJ3/S9NJX	950.00	
- 100 Mbps Ethernet (STS-1) at OC-192 Node ^e	S9TNX/S9TNX	145.00	(T)
- 100 Mbps Ethernet (STS-3c) at OC-192 Node ^e	S9TOX/S9TOX	180.00	(T)
- 1 Gbps Ethernet (STS-1) at OC-192 Node	S9TPX/S9TPX	250.00	
- 1 Gbps Ethernet (STS-3c) at OC-192 Node	S9TQ3/S9TQX	250.00	(D)
- 1 Gbps Ethernet (STS-12c) at OC-192 Node	S9TR3/S9TRX	600.00	(D)
- 1 Gbps Ethernet (STS-24c) at OC-192 Node	S9TS3/S9TSX	900.00	(D)
- EC-1 Port at OC-192 Node	S9TZX/S9TZX	120.00	(T)
- EC-1 Re-Map Port at OC-192 Node	S4NMX/S4NMX	120.00	
- DS-1 Re-Map Port at OC-192 Node	/RN75X	50.00	
- DS-1 Re-Map Block (consists of 28 DS1 Ports) at OC-192 Node	RN76X/RN76X	1,400.00	
- DS-3 Re-Map Port at OC-192 Node [#]	RN71X/RN71X	120.00	(T)
- DS-3 Re-Map Block (consists of 3 DS3 Ports) at OC-192 Node	RN77X/RN77X	360.00	
- OC-3 Re-Map Port at OC-192 Node [#]	RN72X/RN72X	150.00	(T)
- OC-12 Re-Map Port at OC-192 Node [#]	RN73X/RN73X	375.00	(T)
- OC-48 Re-Map Port at OC-192 Node [#]	RN74X/RN74X	825.00	(T)

* EC-1 Port offered as Customer Premises port termination, and as a CO termination where facilities and/operating conditions permit. (T)

Re-Map Port offered as Customer Premises termination only. (T)

@ 100 Mbps Ethernet Port offering available where facilities and/operating conditions permit. (T)

Continued

ACCESS SERVICE

7. Special Access Service Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 OC-192 Dedicated SONET Ring Service (Cont'd)

(B) Ports

(1) Per Node Type

<u>3 year Plan</u>	<u>USOC CRIS/CABS</u>	<u>Monthly Rate</u>
- DS1 at OC-192 Node	S9QWX/S9QWX	\$ 50.00
- DS3 at OC-192 Node	S9QG3/S9QG3	120.00
- OC-3,OC-3c at OC-192 Node	S9NE3/S9NEX	150.00
- OC-12, OC-12c at OC-192 Node	S9NG3/S9NGX	375.00
- OC-48, OC-48c at OC-192 Node	S9NJ3/S9NJX	950.00
- 100 Mbps Ethernet (STS-1) at OC-192 Node [@]	S9TNX/S9TNX	145.00
- 100 Mbps Ethernet (STS-3c) at OC-192 Node [@]	S9TOX/S9TOX	180.00
- 1 Gbps Ethernet (STS-1) at OC-192 Node	S9TPX/S9TPX	250.00
- 1 Gbps Ethernet (STS-3c) at OC-192 Node	S9TQ3/S9TQX	250.00
- 1 Gbps Ethernet (STS-12c) at OC-192 Node	S9TR3/S9TRX	600.00
- 1 Gbps Ethernet (STS-24c) at OC-192 Node	S9TS3/S9TSX	900.00
- EC-1 Port* at OC-192 Node	S9TZX/S9TZX	120.00

(D)

(D)

* EC-1 Port offered as Customer Premises port termination, and as a CO termination where facilities and/operating conditions permit.

(D)

@ 100 Mbps Ethernet Port offering available where facilities and/operating conditions permit.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 OC-192 Dedicated SONET Ring Service (Cont'd)

(B) Ports (Cont'd)

(1) Per Node Type (Cont'd)

<u>3 year Plan</u> (Cont'd)	<u>USOC CRIS/CABS</u>	<u>Monthly Rate</u>
- <u>10/100BaseT VCAT Ethernet</u> ^{*,#,@}	S5P1X/S5P1X	\$250.00
VT1.5-1v (1.6 Mbps)		
VT1.5-2v (3.2 Mbps)		
VT1.5-3v (4.8 Mbps)		
VT1.5-4v (6.4 Mbps)		
VT1.5-5v (8.0 Mbps)		
VT1.5-6v (9.6 Mbps)		
VT1.5-7v (11.2 Mbps)		
VT1.5-8v (12.4 Mbps)		
VT1.5-10v (16.0 Mbps)		
VT1.5-13v (20.8 Mbps)		
STS-1-1v (48.384 Mbps)		
STS-1-2v (96.768 Mbps)		
- <u>1000BaseSX VCAT Ethernet</u> ^{*,@}	S5P2X/S5P2X	425.00
- <u>1000BaseLX VCAT Ethernet</u> ^{*,@}	S5P3X/S5P3X	425.00
STS-1-1v (48.384 Mbps)		
STS-1-2v (96.768 Mbps)		
STS-1-3v (145.152 Mbps)		
STS-1-4v (193.536 Mbps)		
STS-1-5v (241.92 Mbps)		
STS-1-6v (290.304 Mbps)		
STS-1-9v (435.456 Mbps)		
STS-1-12v (580.608 Mbps)		
STS-1-21v (1016.064 Mbps)		
STS-3c-1v (149.76 Mbps)		
STS-3c-2v (299.52 Mbps)		
STS-3c-3v (449.28 Mbps)		
STS-3c-4v (599.04 Mbps)		
STS-3c-7v (1048.32 Mbps)		

* Actual Payload capacity for selected bandwidth. Only single-mode fiber is available in the Central Office. The EoS line rates defined herein are based on the theoretical SONET payload line rates as specified in Telcordia Publication GR-253-CORE, Issue 4. These values are not representative of the true Ethernet transport capacity of the EoS circuit. (N)

EoS port interfaces offered as 10/100BaseT are only available at the customer premises location. (N)

@ Nonrecurring charges as set forth in 7.5.12, (H) (3) are applicable.

Continued

ACCESS SERVICE

7. Special Access Service Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 OC-192 Dedicated SONET Ring Service (Cont'd)

(B) Ports (Cont'd) (T)
 (T)

(1) Per Node Type (Cont'd)

<u>5 year Plan</u>	<u>USOC CRIS/CABS</u>	<u>Monthly Rate</u>	(T) (T)
- DS1 at OC-192 Node	S9QWX/S9QWX	\$ 45.00	(L)
- DS3 at OC-192 Node	S9QG5/S9QGX	110.00	
- OC-3, OC-3c at OC-192 Node	S9NE5/SN9EX	135.00	
- OC-12, OC-12c at OC-192 Node	S9NG5/SN9GX	360.00	
- OC-48, OC-48c at OC-192 Node	S9NJ5/S9NJX	900.00	
- 100 Mbps Ethernet (STS-1) at OC-192 Node ^e	S9TNX/S9TNX	130.00	
- 100 Mbps Ethernet (STS-3c) at OC-192 Node ^e	S9TOX/S9TOX	160.00	
- 1 Gbps Ethernet (STS-1) at OC-192 Node	S9TP5/S9TP5	200.00	
- 1 Gbps Ethernet (STS-3c) at OC-192 Node	S9TQ5/S9TQX	200.00	
- 1 Gbps Ethernet (STS-12c) at OC-192 Node	S9TR5/S9TRX	500.00	
- 1 Gbps Ethernet (STS-24c) at OC-192 Node	S9TS5/S9TSX	850.00	
- EC-1 Port [*] at OC-192 Node	S9TZX/S9TZX	110.00	
- EC-1 Re-Map Port at OC-192 Node	S4NMX/S4NMX	110.00	
- DS-1 Re-Map Port at OC-192 Node	/RN75X	45.00	
- DS-1 Re-Map Block (consists of 28 DS1 ports) at OC-192 Node	RN76X/RN76X	1,260.00	
- DS-3 Re-Map Port at OC-192 Node [#]	RN71X/RN71X	110.00	
- DS-3 Re-Map Block (consists of 3 DS3 ports) at OC-192 Node	RN77X/RN77X	330.00	
- OC-3 Re-Map Port at OC-192 Node [#]	RN72X/RN72X	135.00	
- OC-12 Re-Map Port at OC-192 Node [#]	RN73X/RN73X	360.00	
- OC-48 Re-Map Node at OC-192 Node [#]	RN74X/RN74X	700.00	

* EC-1 Port offered as Customer Premises port termination, and as a CO termination where facilities and/operating conditions permit.

Re-Map Port offered as Customer Premises termination only.

@ 100 Mbps Ethernet Port offering available where facilities and/operating conditions permit.

(L) Material formerly located on 338-Q-1.

(L)

Continued

ACCESS SERVICE

7. Special Access Service Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 OC-192 Dedicated SONET Ring Service (Cont'd)

(B) Ports (Cont'd)

(1) Per Node Type (Cont'd)

<u>5 year Plan</u>	<u>USOC CRIS/CABS</u>	<u>Monthly Rate</u>
- DS1 at OC-192 Node	S9QWX/S9QWX	\$ 45.00
- DS3 at OC-192 Node	S9QG5/S9QGX	110.00
- OC-3, OC-3c at OC-192 Node	S9NE5/SN9EX	135.00
- OC-12, OC-12c at OC-192 Node	S9NG5/SN9GX	360.00
- OC-48, OC-48c at OC-192 Node	S9NJ5/S9NJX	900.00
- 100 Mbps Ethernet (STS-1) at OC-192 Node ^e	S9TNX/S9TNX	130.00
- 100 Mbps Ethernet (STS-3c) at OC-192 Node ^e	S9TOX/S9TOX	160.00
- 1 Gbps Ethernet (STS-1) at OC-192 Node	S9TP5/S9TP5	200.00
- 1 Gbps Ethernet (STS-3c) at OC-192 Node	S9TQ5/S9TQX	200.00
- 1 Gbps Ethernet (STS-12c) at OC-192 Node	S9TR5/S9TRX	500.00
- 1 Gbps Ethernet (STS-24c) at OC-192 Node	S9TS5/S9TSX	850.00
- EC-1 Port* at OC-192 Node	S9TZX/S9TZX	110.00

(D)

(D)

* EC-1 Port offered as Customer Premises port termination, and as a CO termination where facilities and/operating conditions permit.

(D)

@ 100 Mbps Ethernet Port offering available where facilities and/operating conditions permit.

(D)

Continued

ACCESS SERVICE

7. Special Access Service Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 OC-192 Dedicated SONET Ring Service (Cont'd)

(B) Ports (Cont'd)

(1) Per Node Type (Cont'd)

<u>5 year Plan</u> (Cont'd)	<u>USOC</u> <u>CRIS/CABS</u>	<u>Monthly</u> <u>Rate</u>
- <u>10/100BaseT VCAT Ethernet</u> *,#,@	S5P1X/S5P1X	\$180.00
VT1.5-1v (1.6 Mbps)		
VT1.5-2v (3.2 Mbps)		
VT1.5-3v (4.8 Mbps)		
VT1.5-4v (6.4 Mbps)		
VT1.5-5v (8.0 Mbps)		
VT1.5-6v (9.6 Mbps)		
VT1.5-7v (11.2 Mbps)		
VT1.5-8v (12.4 Mbps)		
VT1.5-10v (16.0 Mbps)		
VT1.5-13v (20.80 Mbps)		
STS-1-1v (48.384 Mbps)		
STS-1-2v (96.768 Mbps)		
- <u>1000BaseSX VCAT Ethernet</u> *,@	S5P2X/S5P2X	350.00
- <u>1000BaseLX VCAT Ethernet</u> *,@	S5P3X/S5P3X	350.00
STS-1-1v (48.384 Mbps)		
STS-1-2v (96.768 Mbps)		
STS-1-3v (145.152 Mbps)		
STS-1-4v (193.536 mbps)		
STS-1-5v (241.92 Mbps)		
STS-1-6v (290.304 Mbps)		
STS-1-9v (435.456 Mbps)		
STS-1-12v (580.608 Mbps)		
STS-1-21v (1016.064 Mbps)		
STS-3c-1v (149.76 Mbps)		
STS-3c-2v (299.52 Mbps)		
STS-3c-3v (449.28 mbps)		
STS-3c-4v (599.04 Mbps)		
STS-3c-7v (1048.32 Mbps)		

* Actual Payload capacity for selected bandwidth. Only single-mode fiber is available in the Central Office. The EoS line rates defined herein are based on the theoretical SONET payload line rates as specified in Telcordia Publication GR-253-CORE, Issue 4. These values are not representative of the true Ethernet transport capacity of the EoS circuit.

EoS port interfaces offered as 10/100BaseT are only available at the customer premises location.

@ Nonrecurring charges as set forth in 7.5.12, (H) (3) are applicable.

(N)
 |
 (N)

Continued

ACCESS SERVICE

7. Special Access Service Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 OC-192 Dedicated SONET Ring Service (Cont'd)

(B) Ports (Cont'd)

(1) Per Node Type (Cont'd)

<u>Monthly Extension</u>	<u>USOC CRIS/CABS</u>	<u>Monthly Rate</u>	<u>(T)</u>
- DS1 at OC-192 Node	S9QWX/S9QWX	\$ 65.00	
- DS3 at OC-192 Node	S9QGP/S9QGX	150.00	
- OC-3, OC-3c at OC-192 Node	S9NEM/S9NEX	225.00	
- OC-12, OC-12c at OC-192 Node	S9NGM/S9NGX	550.00	
- OC-48, OC-48c at OC-192 Node	S9NJM/S9NJX	1,425.00	
- 100 Mbps (STS-1) at OC-192 Node ^e	S9TNX/S9TNX	225.00	(T)
- 100 Mbps (STS-3c) at OC-192 Node ^e	S9TOX/S9TOX	280.00	(T)
- 1 Gbps Ethernet (STS-1) at OC-192 Node	S9TPX/S9TPX	350.00	(D)
- 1 Gbps Ethernet (STS-3c) at OC-192 Node	S9TQX/S9TQX	350.00	(D)
- 1 Gbps Ethernet (STS-12c) at OC-192 Node	S9TRX/S9TRX	875.00	(D)
- 1 Gbps Ethernet (STS-24c) at OC-192 Node	S9TSX/S9TSX	1,500.00	(D)
- EC-1 Port [*] at OC-192 Node	S9TZX/S9TZX	150.00	(T)
- EC-1 Re-Map Port at OC-192 Ring	S4NMX/S4NMX	150.00	
- DS-1 Re-Map Port at OC-192 Node	/RN75X	65.00	
- DS-1 Re-Map Block (consists of 28 DS1 ports) at OC-192 Node	RN76X/RN76X	1,820.00	
- DS-3 Re-Map at OC-192 Node [#]	RN71X/RN71X	150.00	(T)
- DS-3 Re-Map Block (consists of 3 DS3 Ports) at OC-192 Node	RN77X/RN77X	400.00	
- OC-3 Re-Map Port at OC-192 Node [#]	RN72X/RN72X	190.00	(T)
- OC-12 Re-Map Port at OC-192 Node [#]	RN73X/RN73X	475.00	(T)
- OC-48 Re-Map Port at OC-192 Node [#]	RN74X/RN74X	1,425.00	(T)

* EC-1 Port offered as Customer Premises port termination, and as a CO termination where facilities and/operating conditions permit. (D)
 (T)

Re-Map Port offered as Customer Premises termination only. (T)

@ 100 Mbps Ethernet Port offering available where facilities and/operating conditions permit. (T)

Continued

ACCESS SERVICE

7. Special Access Service Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 OC-192 Dedicated SONET Ring Service (Cont'd)

	USOC CRIS/CABS	<u>Monthly Rate</u>	
(C) <u>Add/Drop Capability*</u>			
Per Arrangement (per node) not to exceed any configurable combination of ports beyond 192 STS-1 equivalents			
3 Year Plan	MXR++/MXRGX	\$ 5,000.00	(T)
5 Year Plan	MXR++/MXRGX	4,000.00	(T)
Monthly Extension	MXR++/MXRGX	7,000.00	(T)
(D) <u>OC-192 Add/Drop Multiplexing, Re-Map</u>			(N)
3 year Term Plan	M8RGX/M8RGX	4,500.00	
5 year Term Plan	M8RGX/M8RGX	3,240.00	
Monthly Extension Rate	M8RGX/M8RGX	7,000.00	

* Add/Drop charge applies only with initial installation of node equipped with drop capacity. This charge is applied to all nodes, excluding regenerators.

Material omitted now located on Sheet 338-Q-4.

(N)
(D)
(D)

Continued

ACCESS SERVICE

7. Special Access Service Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 OC-192 Dedicated SONET Ring Service (Cont'd)

	USOC <u>CRIS/CABS</u>	<u>Monthly Rate</u>
(C) <u>Add/Drop Capability*</u>		
Per Arrangement (per node) not to exceed any configurable combination of ports beyond 192 STS-1 equivalents		
3 Year Plan	MXR++/MXRGX	\$ 5,000.00
5 Year Plan	MXR++/MXRGX	4,000.00
Monthly Extension	MXR++/MXRGX	7,000.00

(D) Reserved

(T)
 (D)
 |
 (D)

* Add/Drop charge applies only with initial installation of node equipped with drop capacity. This charge is applied to all nodes, excluding regenerators.

(D)

Continued

ACCESS SERVICE

7. Special Access Service Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 OC-192 Dedicated SONET Ring Service (Cont'd)

	USOC CRIS/CABS	<u>Monthly Rate</u>	(N)
(C) <u>Add/Drop Capability</u> *@			
Per Arrangement (per node) not to exceed any configurable combination of ports beyond 192 STS-1 equivalents			
3 Year Plan	MXR++/MXRGX	\$ 5,000.00	
5 Year Plan	MXR++/MXRGX	4,000.00	
Monthly Extension	MXR++/MXRGX	7,000.00	
(D) <u>Reserved</u>			

* Add/Drop charge is a monthly charge that commences with initial installation of node equipped with drop capacity. This charge is applied to all nodes, excluding regenerators.

@ Effective December 16, 2020, regarding Add/Drop capabilities, if the number (N) of ports falls below the minimum requirement per node, the customer must notify its Company account team/sales representative, in writing, to eliminate the charge. Upon receipt of the customer's notice and upon eligibility confirmation, the Company will remove the charge within two billing cycles. (N)

Continued

ACCESS SERVICE

7. Special Access Service Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 OC-192 Dedicated SONET Ring Service (Cont'd)

	<u>USOC CRIS/CABS</u>	<u>Monthly Rate</u>	(T) (T)
(E) <u>Optical to Electrical Add/Drop Capability*</u>			
Per arrangement (per node) not to exceed any configurable combination of ports beyond 192 STS-1 equivalents			
3 Year Term	MXJG3/MXJG+	\$2,500.00	
5 Year Term	MXJG5/MXJG+	2,000.00	
Monthly Extension - per OC-3 to DS1	MXJGP/MXJG+	3,500.00	
3 Year Term	MXJDX/MXJDX	\$ 875.00	
5 Year Term	MXJDX/MXJDX	700.00	
Monthly Extension - per OC-3 to DS1 Add/Drop Capability on Re-Map Node	MXJDX/MXJDX	1,050.00	
3 Year Term	M8RDX/M8RDX	\$ 875.00	
5 Year Term	M8RDX/M8RDX	700.00	
Monthly Extension - per DS3 Add/Drop capability, Re-Map	M8RDX/M8RDX	1,050.00	
3 Year Term	M6JGX/M6JGX (N)	2,500.00	(T)
5 Year Term	M6JGX/M6JGX (N)	2,000.00	(T)
Monthly Extension	M6JGX/M6JGX (N)	3,500.00	(T)

* The Optical to Electrical Add/Drop Capability is in addition to the Add/Drop Capability charge set forth in (C) preceding. (T)
 (T)

Continued

ACCESS SERVICE

7. Special Access Service Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 OC-192 Dedicated SONET Ring Service (Cont'd)

	<u>USOC CRIS/CABS</u>	<u>Monthly Rate</u>
(E) <u>Optical to Electrical Add/Drop Capability*</u>		
Per arrangement (per node) not to exceed any configurable combination of ports beyond 192 STS-1 equivalents		
3 Year Term	MXJG3/MXJG+	\$2,500.00
5 Year Term	MXJG5/MXJG+	2,000.00
Monthly Extension - per OC-3 to DS1	MXJGP/MXJG+	3,500.00
3 Year Term	MXJDX/MXJDX	\$ 875.00
5 Year Term	MXJDX/MXJDX	700.00

(D)

(D)

* The Optical to Electrical Add/Drop Capability is in addition to the Add/Drop Capability charge set forth in (C) preceding.

Continued

ACCESS SERVICE

7. Special Access Service Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 OC-192 Dedicated SONET Ring Service (Cont'd)

	<u>USOC CRIS/CABS</u>	<u>Monthly Rate</u>	
(E) <u>Optical to Electrical Add/Drop Capability</u> *@			(N)
Per arrangement (per node) not to exceed any configurable combination of ports beyond 192 STS-1 equivalents			
3 Year Term	MXJG3/MXJG+	\$2,500.00	
5 Year Term	MXJG5/MXJG+	2,000.00	
Monthly Extension - per OC-3 to DS1	MXJGP/MXJG+	3,500.00	
3 Year Term	MXJDX/MXJDX	\$ 875.00	
5 Year Term	MXJDX/MXJDX	700.00	

* The Optical to Electrical Add/Drop Capability is in addition to the Add/Drop Capability charge set forth in (C) preceding.

@ Effective December 16, 2020, regarding Add/Drop capabilities, if the number of ports falls below the minimum requirement per node, the customer must notify its Company account team/sales representative, in writing, to eliminate the charge. Upon receipt of the customer's notice and upon eligibility confirmation, the Company will remove the charge within two billing cycles. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 OC-192 Dedicated SONET Ring Service (Cont'd)

	USOC CRIS/CABS	<u>Monthly Rate</u>	
(F) <u>Mileage*</u>			(T)
- 3 Year Plan Per Mile between nodes	1YA++	\$ 260.00	
- 5 Year Plan Per mile between nodes*	1YA++	220.00	
- Monthly Extension Per mile between nodes*	1YA++	330.00	
(G) <u>Ring Regenerator</u>			(T)
Each (as required)			
- 3 Year Plan	RGY++	9,250.00	
- 5 Year Plan	RGY++	7,400.00	
- Monthly Extension	RGY++	13,875.00	

* A two-node ring configuration has a two-mile minimum, one mile from the CO node to the customer premise node, and one mile from the customer premise node to the CO node. (T)
 (T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 OC-192 Dedicated SONET Ring Service (Cont'd)

(H) Nonrecurring Charges (Cont'd)

(T)

	<u>USOC CRIS/CABS</u>	<u>Nonrecurring Charge</u>
(4) <u>Subsequent Installation</u> <u>- per Node</u>		
- Customer Premises Node	NRBS7/NRBS7	\$ 400.00
- Customer Premises Node, Re-Map	NRBS7/NRBS7	400.00
- Central Office Node	NRBSV/NRBSV	325.00
(5) <u>Subsequent installation for</u> <u>Add/Drop Capability, per arrangement</u>		
	NRBS8/NRBS8	490.00
(6) <u>Re-Map service, initial service</u> <u>script establishment/test</u> <u>charge, per ring</u>		
	NRMR1/NRMR1	5,500.00
(7) <u>Emergency Re-Map Activation</u> <u>per request, per ring</u>		
	NRMR7/NRMR7	5,000.00
(8) <u>Re-Map, subsequent Script activity</u>		
	NRMR3/NRMR3	3,200.00
(9) <u>Re-Map, subsequent scheduled</u> <u>test charge, per ring</u>		
	NRMR5/NRMR5	4,200.00
(10) <u>Ring Regenerator, subsequent installation of</u> <u>Regenerator, each</u> (as required)		
	NRBS5/NRBS5	270.00

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.13 GigaMAN[®] Service

	<u>USOC</u>	<u>Monthly Rate</u>	<u>NonRecurring Charge</u>	
(A) <u>Channel Termination</u>				
- 1 Year Plan	LNVX1	\$3,300.00	\$1,500.00	
- 2 Year Plan	LNVX2	3,100.00	1,500.00	
- 3 Year Plan	LNVX3	2,850.00	1,500.00*	(N)
- 5 Year Plan	LNVX5	2,500.00	1,500.00*	(N)
- Monthly Extension	LNVXM	3,800.00	None	

(B) Channel Mileage

Mileage Bands	<u>USOC</u>	<u>Monthly Rates</u>	
		<u>Fixed</u>	<u>Per Mile</u>
- 1 Year Plan			
O	1L5X1	None	None
Over 0	1L5X1	\$250.00	\$125.00
- 2 Year Plan			
O	1L5X2	None	None
Over 0	1L5X2	\$225.00	\$115.00
- 3 Year Plan			
O	1L5X3	None	None
Over 0	1L5X3	\$200.00	\$100.00
- 5 Year Plan			
O	1L5X5	None	None
Over 0	1L5X5	\$100.00	\$75.00
- Monthly Extension			
O	1L5XX	None	None
Over 0	1L5XX	\$250.00	\$125.00

* The Non Recurring is not applicable when the service is initially installed. (N)
 The NRC may apply as set forth in 7.4.16(D) preceding. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

(N)

7.5 Rates and Charges (Cont'd)

7.5.13 GigaMAN[®] Service (Cont'd)

	<u>USOC</u>	<u>Monthly Rate</u>	<u>NonRecurring Charge</u>
(C) <u>Optional Features</u>			
(1) Channel Termination Diversity (Local Channel Diversity)			
- 1 Year Plan	CPAL1	\$750.00	None
- 2 Year Plan	CPAL2	750.00	None
- 3 Year Plan	CPAL3	750.00	None
- 5 Year Plan	CPAL5	750.00	None
- Monthly Extension	CPALP	750.00	None
(2) Alternate Wire Center Diversity			
- 1 Year Plan	CPAA1	1,200.00	None
- 2 Year Plan	CPAA2	1,200.00	None
- 3 Year Plan	CPAA3	1,200.00	None
- 5 Year Plan	CPAA5	1,200.00	None
- Monthly Extension	CPAAP	1,200.00	None
(3) Inter-Wire Center Diversity			
- 1 Year Plan	CPAT1	500.00	None
- 2 Year Plan	CPAT2	500.00	None
- 3 Year Plan	CPAT3	500.00	None
- 5 Year Plan	CPAT5	500.00	None
- Monthly Extension	CPATP	500.00	None

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.13 GigaMAN[®] Service (Cont'd)

(N)

	<u>USOC</u>	<u>Monthly Rate</u>	<u>NonRecurring Charge</u>
(C) <u>Optional Features</u> (Cont'd)			
(7) Inter-Wire Center Path Protection - Per Interoffice Segment			
- per GigaMAN [®] service arranged			
- 1 Year Plan	CPAH1	\$375.00	\$625.00
- 2 Year Plan	CPAH2	200.00	625.00
- 3 Year Plan	CPAH3	150.00	625.00
- 5 Year Plan	CPAH5	100.00	625.00
- Monthly Extension Rate	CPAHP	475.00	625.00
(8) Power Protection*			
- per customer premises			
- 1 Year Plan	VBBG1	625.00	475.00
- 2 Year Plan	VBBG2	525.00	475.00
- 3 Year Plan	VBBG3	480.00	475.00
- 5 Year Plan	VBBG5	435.00	475.00
- Monthly Extension Rate	VBBGP	700.00	475.00

* Power protection rate elements are applicable as set forth in 7.4.16(E) preceding.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.14 Optical Carrier Network (OCN) Point-to-Point Service

(A) OC-3/OC-3c

(1) Channel Termination/Local Distribution Channel

- per Point of Termination

	<u>USOC</u>		<u>Monthly Rate</u>	
	<u>CABS/CRIS</u>	(N)		(T)
3 Year Plan	TMECS/TMECS	(N)	\$1,700.00	(T)
5 Year Plan	TMECS/TMECS	(N)	1,300.00	(T)
Monthly Extension	TMECS/TEMCS	(N)	2,275.00	(T)

(2) Mileage/Interoffice Transport

(a) Fixed

	CABS/CRIS		
3 Year Plan			
0	NA		NA
Over 0	1L5XX/1L5XS		\$975.00
5 Year Plan			
0	NA		NA
Over 0	1L5XX/1L5XS		\$886.00
Monthly Extension			
0	NA		NA
Over 0	1L5XX/1L5XS		\$1,550.00

(b) Per Mile (Variable)

	CABS/CRIS		
3 Year Plan			
0	NA		NA
Over 0	1L5XX/1L5XS		\$260.00
5 Year Plan			
0	NA		NA
Over 0	1L5XX/1L5XS		\$220.00
Monthly Extension			
0	NA		NA
Over 0	1L5XX/1L5XS		\$350.00

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.14 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(A) OC-3/OC-3c (Cont'd)

(3) Optional Features and Functions

	<u>USOC</u> <u>CABS/CRIS</u>	<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charges</u>	
(a) OC-3 Add/Drop Multiplexing*				
- per arrangement				
3 Year Plan	MPECX/MPECX	\$1,200.00	None	
5 Year Plan	MPECX/MPECX	950.00	None	
Monthly Extension	MPECX/MPECX	1,650.00	None	
(b) Add/Drop Function				
- Per DS3	MXJBX/MXJBX	150.00	None	
- Per DS1	MXJAX/MXJAX	55.00	None	
- Per 1000BaseLX Ethernet drop	MX4LX/MX4LX	500.00	None	(N) (N)
(c) 1+1 Protection				
- per OC-3/OC-3c Channel Termination/ Local Distribution Channel	P8T/P8T	350.00	None	
(d) 1+1 Protection with Cable Survivability				
- Per OC-3/OC-3c Channel Termination/ Local Distribution Channel	P3S/P3S	350.00	\$ 500.00	

* Multiplexing between two customer premises only available on speeds OC-3, OC-12 and OC-48; concatenated services cannot be multiplexed.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.14 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(A) OC-3/OC-3c (Cont'd)

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

	<u>USOC</u> <u>CABS/CRIS</u>	<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charges</u>	
(f) Shared Network Arrangement - Processing Charge per service order				
	NRBOP/NRBOP	None	\$30.00	
(g) OCN Point-to-Point with Diversity OC-3*				
3 Year Plan	CPAPA/CPAPA	\$200.00	None	
5 Year Plan	CPAPA/CPAPA	200.00	None	
Monthly Extension	CPAPA/CPAPA	200.00	None	
(h) Ethernet Optical Collocation Cross-Connect OC-3				(N)
Monthly	CCCA2/CCCA2	\$750.00	\$400.00	(N)

* When premises locations are the same for the Diverse service and the first service, and Protection with Route Survivability is not ordered, the rate element for Per Quarter Route Mile (S2DXY) applies and does not require the related Protection rate element P8T.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.14 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(B) OC-12/OC-12c

(1) Channel Termination/Local
 Distribution Channel

- per Point of Termination

	USOC CABS/CRIS	Monthly Rate	
3 Year Plan	TMECS/TMECS (N)	\$4,000.00	(T)
5 Year Plan	TMECS/TMECS (N)	3,000.00	(T)
Monthly Extension	TMECS/TMECS (N)	5,250.00	(T)

(2) Mileage/Interoffice
 Transport

(a) Fixed

3 Year Plan			
0	NA	NA	
Over 0	1L5XX/1L5XS	\$2,925.00	
5 Year Plan			
0	NA	NA	
Over 0	1L5XX/1L5XS	\$2,250.00	
Monthly Extension			
0	NA	NA	
Over 0	1L5XX/1L5XS	\$4,100.00	

(b) Per Mile

3 Year Plan			
0	NA	NA	
Over 0	1L5XX/1L5XS	\$260.00	
5 Year Plan			
0	NA	NA	
Over 0	1L5XX/1L5XS	\$220.00	
Monthly Extension			
0	NA	NA	
Over 0	1L5XX/1L5XS	\$350.00	

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.14 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(B) OC-12/OC-12c (Cont'd)

(3) Optional Features and Functions

(a) OC-12/OC-12c Add/Drop Multiplexing*
 - per arrangement

	<u>USOC</u> <u>CABS/CRIS</u>	<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charges</u>	
3 Year Plan	MPEDX/MPEDX	\$2,800.00	None	
5 Year Plan	MPEDX/MPEDX	2,100.00	None	
Monthly Extension	MPEDX/MPEDX	3,575.00	None	
(b) Add/Drop Function				
- per OC-3	MXJCX/MXJCX	250.00	None	
- per DS-3	MXJBX/MXJBX	150.00	None	
- Per 1000BaseLX Ethernet drop	MX4LX/MX4LX	500.00	None	(N) (N)
(c) 1+1 Protection				
- per OC-12/OC-12c Channel Termination/ Local Distribution Channel	P8T/P8T	400.00	None	

* Multiplexing between two customer premises only available on speeds OC-3, OC-12 and OC-48; concatenated services cannot be multiplexed.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.14 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(B) OC-12/OC-12c (Cont'd)

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

	<u>USOC</u> <u>CABS/CRIS</u>	<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charges</u>	
(f) Shared Network Arrangement - processing Charge per service order				
	NRBOP/NRBOP	None	\$ 30.00	
(g) OCN Point-to-Point with Diversity OC-12*				
3 Year Plan	CPAPB/CPAPB	\$300.00	None	
5 Year Plan	CPAPB/CPAPB	300.00	None	
Monthly Extension	CPAPB/CPAPB	300.00	None	
(h) Ethernet Optical Collocation Cross-Connect OC-12				(N)
Monthly	CCCA2/CCCA2	\$750.00	\$400.00	(N)

* When premises locations are the same for the Diverse service and the first service, and Protection with Route Survivability is not ordered, the rate element for Per Quarter Route Mile (S2DXY) applies and does not require the related Protection rate element P8T.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.14 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(C) OC-48/48c

(1) Channel Termination/Local Distribution Channel
 - per Point of Termination

	USOC <u>CABS/CRIS</u>	<u>Monthly Rate</u>	
3 Year Plan	TMECS/TMECS (N)	\$ 9,800.00	(T)
5 Year Plan	TMECS/TMECS (N)	7,000.00	(T)
Monthly Extension	TMECS/TMECS (N)	12,500.00	(T)

(2) Mileage/Interoffice
 Transport

(a) Fixed

3 Year Plan			
0	NA	NA	
Over 0	1L5XX/1L5XS	\$5,850.00	
5 Year Plan			
0	NA	NA	
Over 0	1L5XX/1L5XS	\$5,350.00	
Monthly Extension			
0	NA	NA	
Over 0	1L5XX/1L5XS	\$7,875.00	

(b) Per Mile (Variable)

3 Year Plan			
0	NA	NA	
Over 0	1L5XX/1L5XS	\$260.00	
5 Year Plan			
0	NA	NA	
Over 0	1L5XX/1L5XS	\$220.00	
Monthly Extension			
0	NA	NA	
Over 0	1L5XX/1L5XS	\$350.00	

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.14 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(C) OC-48/OC-48c (Cont'd)

(3) Optional Features and Functions (Cont'd) (T)

	<u>USOC CABS/CRIS</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>	
(a) Add/Drop Multiplexing - Per arrangement				
3 Year Plan	MXRFX/MXRFX	\$ 4,625.00	None	
5 Year Plan	MXRXF/MXRFX	3,700.00	None	
Monthly Extension	MXRXF/MXRFX	6,375.00	None	
(b) Add/Drop Function				
- Per OC-12	MXJEX/MXJEX	625.00	None	
- Per OC-3	MXJCX/MXJCX	250.00	None	
- Per DS-3	MXJBX/MXJBX	150.00	None	
- Per 1000BaseLX Ethernet drop	MX4LX/MX4LX	500.00	None	(N) (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.14 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(C) OC-48/OC-48c (Cont'd)

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

	<u>USOC CABS/CRIS</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>	
(e) 1+1 Protection with Route Survivability				
- per OC-48/OC-48c Channel Term/Local Distribution Channel				
- per OC-12/OC-12c Channel Termination/Local Distribution Channel	P8T/P8T		Apply P8T above plus Quarter mile rate following (P8T + S2DXY)	
- Per Quarter Route Mile	S2DXY/S2DXY	\$125.00	None	
(f) Point-to-Point OC-48 Regenerator				
- each	RGY48/RGY48	\$5,500.00	None	
(g) Shared Network Arrangement				
- Processing Charge per service order	NRBOP/NRBOP	None	\$ 30.00	
(h) OCN Point-to-Point with Diversity OC-48*				
3 Year Plan	CPAPC/CPAPC	\$700.00	None	
5 Year Plan	CPAPC/CPAPC	\$700.00	None	
Monthly Extension	CPAPC/CPAPC	\$700.00	None	
(i) Ethernet Optical Collocation Cross-Connect OC-48				(N)
Monthly	CCCA2/CCCA2	\$750.00	\$400.00	(N)

* When premises locations are the same for the Diverse service and the first service, and Protection with Route Survivability is not ordered, the rate element for Per Quarter Route Mile (S2DXY) applies and does not require the related Protection rate element P8T.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.14 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(D) OC-192/OC-192c

(1) Channel Termination/Local Distribution Channel
 - per Point of Termination

	USOC <u>CABS/CRIS</u>	<u>Monthly Rate</u>	
3 Year Plan	TMECS/TMECS (N)	\$29,400.00	(T)
5 Year Plan	TMECS/TMECS (N)	21,000.00	(T)
Monthly Extension	TMECS/TMECS (N)	36,000.00	(T)

(2) Mileage/Interoffice
 Transport

(a) Fixed

3 Year Plan			
0	NA	NA	
Over 0	1L5XX/1L5XS	\$20,000.00	
5 Year Plan			
0	NA	NA	
Over 0	1L5XX/1L5XS	\$18,500.00	
Monthly Extension			
0	NA	NA	
Over 0	1L5XX/1L5XS	\$23,625.00	

(b) Per Mile (Variable)

3 Year Plan			
0	NA	NA	
Over 0	1L5XX/1L5XS	\$360.00	
5 Year Plan			
0	NA	NA	
Over 0	1L5XX/1L5XS	\$300.00	
Monthly Extension			
0	NA	NA	
Over 0	1L5XX/1L5XS	\$450.00	

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.14 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(D) OC-192/OC-192c (Cont'd)

(3) Optional Features and Functions (Cont'd) (T)

	<u>USOC</u> <u>CABS/CRIS</u>	<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charge</u>	
(a) OC-192 Add/Drop Multiplexing*				
- Per arrangement				
3 Year Plan	MXRGX/MXRGX	\$12,000.00	None	
5 Year Plan	MXRGX/MXRGX	9,600.00	None	
Monthly Extension	MXRGX/MXRGX	16,800.00	None	
(b) Add/Drop Function				
- Per OC-48	MXJFX/MXJFX	1,800.00	None	
- Per OC-12	MXJEX/MXJEX	625.00	None	
- Per OC-3	MXJCX/MXJCX	250.00	None	
- Per 1000BaseLX Ethernet drop	MX4LX/MX4LX	500.00	None	(N) (N)

* Concatenated services cannot be multiplexed.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.14 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(D) OC-192/OC-192c (Cont'd)

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

	<u>USOC CABS/CRIS</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
(a) OC-192 Add/Drop Multiplexing*				
- Per arrangement				
3 Year Plan	MXRGX/MXRGX	\$12,000.00	None	
5 Year Plan#	MXRGX/MXRGX	9,600.00	None	(N)
Monthly Extension	MXRGX/MXRGX	16,800.00	None	
(b) Add/Drop Function				
- Per OC-48	MXJFX/MXJFX	1,800.00	None	
- Per OC-12	MXJEX/MXJEX	625.00	None	
- Per OC-3	MXJCX/MXJCX	250.00	None	
- Per 1000BaseLX Ethernet drop	MX4LX/MX4LX	500.00	None	

* Concatenated services cannot be multiplexed.

As of November 1, 2013, Term Pricing Plan terms greater than 36 months are (N)
 no longer available for new or renewing subscribers. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.14 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(D) OC-192/OC-192c (Cont'd) (T)

(3) Optional Features and Functions (Cont'd) (T)

	<u>USOC</u> <u>CABS/CRIS</u>	<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u> <u>Charges</u>	
(f) Point-to-Point OC-192 Regenerator - each	RGY/RGY	\$11,000.00	None	
(g) OCN Point-to-Point with Diversity OC-192*				
3 Year Plan	CPAPD/CPAPD	1,200.00	None	
5 Year Plan	CPAPD/CPAPD	1,200.00	None	
Monthly Extension	CPAPD/CPAPD	1,200.00	None	
(h) Ethernet Optical Collocation Cross-Connect OC-192				(N)
Monthly	CCCA2/CCCA2	\$750.00	\$400.00	(N)

* When premises locations are the same for the Diverse service and the first service, and Protection with Route Survivability is not ordered, the rate element for Per Quarter Route Mile (S2DXY) applies and does not require the related Protection rate element P8T.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service

(A) Node

- Per Node

	<u>USOC</u> <u>CABS/CRIS</u>	<u>Monthly</u> <u>Rate</u>	
(1) <u>OC-3</u>			
- <u>Customer Premises Node, first</u>			
36 month	FP5CX/FP5CX	\$ 1,770.00	
60 month	FP5CX/FP5CX	1,415.00	
Monthly Extension	FP5CX/FP5CX	2,120.00	
- <u>Customer Premises Node, additional</u>			
36 month	FP5CA/FP5CA	1,000.00	
60 month	FP5CA/FP5CA	800.00	
Monthly Extension	FP5CA/FP5CA	1,200.00	
- <u>Central Office Node</u>			
36 month	FC5CX/FC5CX	1,000.00	
60 month	FC5CX/FC5CX	800.00	
Monthly Extension	FC5CX/FC5CX	1,200.00	
- <u>Customer Prem Node</u>			
<u>First Re-Map at OC-3 Node*</u>			(N)
36 Month	RN8CX/RN8CX	1,770.00	
60 Month	RN8CX/RN8CX	1,415.00	
Monthly Extension	RN8CX/RN8CX	2,120.00	
- <u>Customer Prem Node</u>			
<u>Additional Re-Map at OC-3 Node*</u>			
36 Month	RN8CA/RN8CA	1,000.00	
60 Month	RN8CA/RN8CA	800.00	
Monthly Extension	RN8CA/RN8CA	1,200.00	(N)

* Re-Map Node offered as Customer Premises Node only.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service

(A) Node

- Per Node

	<u>USOC</u> <u>CABS/CRIS</u>	<u>Monthly</u> <u>Rate</u>
(1) <u>OC-3</u>		
- <u>Customer Premises Node, first</u>		
36 month	FP5CX/FP5CX	\$ 1,770.00
60 month	FP5CX/FP5CX	1,415.00
Monthly Extension	FP5CX/FP5CX	2,120.00
- <u>Customer Premises Node, additional</u>		
36 month	FP5CA/FP5CA	1,000.00
60 month	FP5CA/FP5CA	800.00
Monthly Extension	FP5CA/FP5CA	1,200.00
- <u>Central Office Node</u>		
36 month	FC5CX/FC5CX	1,000.00
60 month	FC5CX/FC5CX	800.00
Monthly Extension	FC5CX/FC5CX	1,200.00

(D)

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(D)

(D)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(A) Node (Cont'd)

- Per Node

	<u>USOC</u> <u>CABS/CRIS</u>	<u>Monthly</u> <u>Rate</u>	
(2) <u>OC-12</u>			
- <u>Customer Premises Node, first</u>			
36 month	FP5DX/FP5DX	\$ 3,850.00	
60 month	FP5DX/FP5DX	3,080.00	
Monthly Extension	FP5DX/FP5DX	4,620.00	
- <u>Customer Premises Node, additional</u>			
36 month	FP5DA/FP5DA	2,620.00	
60 month	FP5DA/FP5DA	2,095.00	
Monthly Extension	FP5DA/FP5DA	3,140.00	
- <u>Central Office Node</u>			
36 month	FC5DX/FC5DX	2,620.00	
60 month	FC5DX/FC5DX	2,095.00	
Monthly Extension	FC5DX/FC5DX	3,140.00	
- <u>Customer Prem Node*</u>			
<u>First Re-Map at OC-12 Node</u>			
36 Month	RN8DX/RN8DX	3,850.00	(N)
60 Month	RN8DX/RN8DX	3,080.00	
Monthly Extension	RN8DX/RN8DX	4,620.00	
- <u>Customer Prem Node*</u>			
<u>Additional Re-Map at OC-12 Node</u>			
36 Month	RN8DA/RN8DA	2,620.00	
60 Month	RN8DA/RN8DA	2,000.00	
Monthly Extension	RN8DA/RN8DA	3,140.00	(N)

* Re-Map Node offered as Customer Premises Node only.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(A) Node (Cont'd)

- Per Node

	<u>USOC</u> <u>CABS/CRIS</u>	<u>Monthly</u> <u>Rate</u>
(2) <u>OC-12</u>		
- <u>Customer Premises Node, first</u>		
36 month	FP5DX/FP5DX	\$ 3,850.00
60 month	FP5DX/FP5DX	3,080.00
Monthly Extension	FP5DX/FP5DX	4,620.00
- <u>Customer Premises Node, additional</u>		
36 month	FP5DA/FP5DA	2,620.00
60 month	FP5DA/FP5DA	2,095.00
Monthly Extension	FP5DA/FP5DA	3,140.00
- <u>Central Office Node</u>		
36 month	FC5DX/FC5DX	2,620.00
60 month	FC5DX/FC5DX	2,095.00
Monthly Extension	FC5DX/FC5DX	3,140.00

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Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(A) Node (Cont'd)

- Per Node

	<u>USOC</u> <u>CABS/CRIS</u>	<u>Monthly</u> <u>Rate</u>	
(3) <u>OC-48</u>			
- <u>Customer Premises Node, first</u>			
36 month	FP5EX/FP5EX	\$ 5,890.00	
60 month	FP5EX/FP5EX	4,725.00	
Monthly Extension	FP5EX/FP5EX	7,070.00	
- <u>Customer Premises Node, additional</u>			
36 month	FP5EA/FP5EA	5,240.00	
60 month	FP5EA/FP5EA	4,190.00	
Monthly Extension	FP5EA/FP5EA	6,280.00	
- <u>Central Office Node</u>			
36 month	FC5EX/FC5EX	5,240.00	
60 month	FC5EX/FC5EX	4,190.00	
Monthly Extension	FC5EX/FC5EX	6,280.00	
- <u>Customer Prem Node*</u>			
<u>First Re-Map at OC-48 Node</u>			
36 Month	RN8EX/RN8EX	5,890.00	(N)
60 Month	RN8EX/RN8EX	4,715.00	
Monthly Extension	RN8EX/RN8EX	7,070.00	
- <u>Customer Prem Node*</u>			
<u>Additional Re-Map at OC-48 Node</u>			
36 Month	RN8EA/RN8EA	5,240.00	(N)
60 Month	RN8EA/RN8EA	4,190.00	
Monthly Extension	RN8EA/RN8EA	6,280.00	

* Re-Map Node offered as Customer Premises Node only.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(A) Node (Cont'd)

- Per Node

<u>(3) OC-48</u>	<u>USOC</u> <u>CABS/CRIS</u>	<u>Monthly</u> <u>Rate</u>
- <u>Customer Premises Node, first</u>		
36 month	FP5EX/FP5EX	\$ 5,890.00
60 month	FP5EX/FP5EX	4,725.00
Monthly Extension	FP5EX/FP5EX	7,070.00
- <u>Customer Premises Node, additional</u>		
36 month	FP5EA/FP5EA	5,240.00
60 month	FP5EA/FP5EA	4,190.00
Monthly Extension	FP5EA/FP5EA	6,280.00
- <u>Central Office Node</u>		
36 month	FC5EX/FC5EX	5,240.00
60 month	FC5EX/FC5EX	4,190.00
Monthly Extension	FC5EX/FC5EX	6,280.00

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(D)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(A) Node (Cont'd)

(4) Flex Ring Nodes

	<u>USOC CABS/CRIS</u>	<u>Monthly Rate</u>	
(a) <u>OC-12</u>			
- <u>Central Office Node, for Second Ring on existing SONET Shelf</u>			
36 month	GC5FX/GC5FX	\$1,850.00	
60 month	GC5FX/GC5FX	1,500.00	
Monthly Extension	GC5FX/GC5FX	2,200.00	
- <u>Customer Prem Node, for Second Ring on existing SONET Shelf</u>			
36 month	GP5FX/GP5FX	2,200.00	(R)
60 month	GP5FX/GP5FX	1,800.00	
Monthly Extension	GP5FX/GP5FX	2,900.00	(R)
(b) <u>OC-48</u>			
- <u>Central Office Node, for Second Ring on existing SONET shelf</u>			
36 month	GC5GX/GC5GX	3,500.00	
60 month	GC5GX/GC5GX	2,800.00	
Monthly Extension	GC5GX/GC5GX	4,100.00	
- <u>Customer Prem Node, for Second Ring on existing SONET shelf</u>			
36 month	GP5GX/GP5GX	3,900.00	
60 month	GP5GX/GP5CX	3,000.00	
Monthly Extension	GP5GX/GP5GX	4,500.00	

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(B) OC-48 Add/Drop Capability

	USOC CABS/CRIS	Monthly Rate	
- <u>per arrangement,</u>			
36 month	MPEFX/MPEFX	\$ 3,510.00	(N)
60 month	MPEFX/MPEFX	2,895.00	
Monthly Extension	MPEFX/MPEFX	4,350.00	
- <u>Re-Map</u>			
36 month	M8RFX/M8RFX	3,510.00	
60 month	M8RFX/M8RFX	2,895.00	
Monthly Extension	M8RFX/M8RFX	4,350.00	(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(B) OC-48 Add/Drop Capability

	<u>USOC CABS/CRIS</u>	<u>Monthly Rate</u>
- <u>per arrangement,</u>		
36 month	MPEFX/MPEFX	\$ 3,510.00
60 month	MPEFX/MPEFX	2,895.00
Monthly Extension	MPEFX/MPEFX	4,350.00

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Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(B) OC-48 Add/Drop Capability*

(N)

<u>- per arrangement</u>	<u>USOC CABS/CRIS</u>	<u>Monthly Rate</u>
36 month	MPEFX/MPEFX	\$ 3,510.00
60 month	MPEFX/MPEFX	2,895.00
Monthly Extension	MPEFX/MPEFX	4,350.00

*Effective December 16, 2020, regarding Add/Drop capabilities, if the number of ports falls below the minimum requirement per node, the customer must notify its Company account team/sales representative, in writing, to eliminate the charge. Upon receipt of the customer's notice and upon eligibility confirmation, the Company will remove the charge within two billing cycles.

(N)

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports

	<u>USOC CABS/CRIS</u>	<u>Monthly Rate</u>	
(1) <u>Per port, at OC-3 Node</u> (excluding Re-Map)			
- <u>1.544 Mbps (DS1) at</u> <u>OC3 Node</u>			
36 Month	SPRAX/SPRAX	\$ 50.00	
60 Month	SPRAX/SPRAX	45.00	
Monthly Extension	SPRAX/SPRAX	65.00	
- <u>45 Mbps (DS3) at</u> <u>OC-3 Node</u>			
36 Month	SPRBX/SPRBX	120.00	
60 Month	SPRBX/SPRBX	110.00	
Monthly Extension	SRPBX/SPRBX	150.00	
- <u>100 Mbps Ethernet (STS-1)</u> <u>at OC-3 Node</u> (D)			
36 Month	S9TAX/S9TAX	145.00	
60 Month	S9TAX/S9TAX	130.00	
Monthly Extension	S9TAX/S9TAX	225.00	
- <u>EC-1 Re-Map Port*</u> <u>at OC-3 Node</u> (D)			
36 Month	S9N6X/S9N6X	120.00	
60 Month	S9N6X/S9N6X	110.00	
Monthly Extension	S9N6X/S9N6X	150.00	
- <u>EC-1 Port*</u> <u>at OC-3 Node</u> (D)			
36 Month	S9NSX/S4NHX	120.00	
60 Month	S9NSX/S4NHX	110.00	
Monthly Extension	S9NSX/S4NHX	150.00	

* EC-1 Port offered as Customer Premises termination and as a CO termination (T) where facilities and/or operating conditions permit.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports

	<u>USOC CABS/CRIS</u>	<u>Monthly Rate</u>	
(1) <u>Per port, at OC-3 Node</u>			(D)
- <u>1.544 Mbps (DS1) at OC3 Node</u>			
36 Month	SPRAX/SPRAX	\$ 50.00	
60 Month	SPRAX/SPRAX	45.00	
Monthly Extension	SPRAX/SPRAX	65.00	
- <u>45 Mbps (DS3) at OC-3 Node</u>			
36 Month	SPRBX/SPRBX	120.00	
60 Month	SPRBX/SPRBX	110.00	
Monthly Extension	SRPBX/SRPBX	150.00	
- <u>100 Mbps Ethernet (STS-1) at OC-3 Node</u>			
36 Month	S9TAX/S9TAX	145.00	
60 Month	S9TAX/S9TAX	130.00	
Monthly Extension	S9TAX/S9TAX	225.00	
			(D)
			(D)
- <u>EC-1 Port*</u> <u>at OC-3 Node</u>			
36 Month	S9NSX/S4NHX	120.00	
60 Month	S9NSX/S4NHX	110.00	
Monthly Extension	S9NSX/S4NHX	150.00	

* EC-1 Port offered as Customer Premises termination and as a CO termination where facilities and/or operating conditions permit.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports (Cont'd)

	USOC CABS/CRIS	Monthly Rate
(1) <u>Per port, at OC-3 Node</u> (Cont'd) (excluding Re-Map)		
- <u>10/100BaseT VCAT Ethernet</u> ^{*, #, @}		
36 Month	S5P1X/S5P1X	\$ 250.00
60 Month	S5P1X/S5P1X	180.00
Monthly Extension	S5P1X/S5P1X	350.00
VT1.5-1v (1.6 Mbps)		
VT1.5-2v (3.2 Mbps)		
VT1.5-3v (4.8 Mbps)		
VT1.5-4v (6.4 Mbps)		
VT1.5-5v (8.0 Mbps)		
VT1.5-6v (9.6 Mbps)		
VT1.5-7v (11.2 Mbps)		
VT1.5-8v (12.4 Mbps)		
VT1.5-10v (16.0 Mbps)		
VT1.5-13v (20.8 Mbps)		
STS-1-1v (48.384 Mbps)		
STS-1-2v (96.768 Mbps)		

* Actual Payload capacity for selected bandwidth. Only single-mode fiber is available in the Central Office. The EoS line rates defined herein are based on the theoretical SONET payload line rates as specified in Telcordia Publication GR-253-CORE, Issue 4. These values are not representative of the true Ethernet transport capacity of the EoS circuit.

EoS port interfaces offered as 10/100BaseT are only available at the customer premises location.

@ Nonrecurring charges as set forth in 7.5.15(H) (4) are applicable.

Material omitted now located on Sheet 338-Z-17-B.

(N)
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 (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports (Cont'd)

	USOC CABS/CRIS	Monthly Rate	(D)
(1) <u>Per port, at OC-3 Node</u> (Cont'd)			

- <u>10/100BaseT VCAT Ethernet</u> ^{*, #, @}			
36 Month	S5P1X/S5P1X	\$ 250.00	
60 Month	S5P1X/S5P1X	180.00	
Monthly Extension	S5P1X/S5P1X	350.00	
VT1.5-1v (1.6 Mbps)			
VT1.5-2v (3.2 Mbps)			
VT1.5-3v (4.8 Mbps)			
VT1.5-4v (6.4 Mbps)			
VT1.5-5v (8.0 Mbps)			
VT1.5-6v (9.6 Mbps)			
VT1.5-7v (11.2 Mbps)			
VT1.5-8v (12.4 Mbps)			
VT1.5-10v (16.0 Mbps)			
VT1.5-13v (20.8 Mbps)			
STS-1-1v (48.384 Mbps)			
STS-1-2v (96.768 Mbps)			

* Actual Payload capacity for selected bandwidth. Only single-mode fiber is available in the Central Office. The EoS line rates defined herein are based on the theoretical SONET payload line rates as specified in Telcordia Publication GR-253-CORE, Issue 4. These values are not representative of the true Ethernet transport capacity of the EoS circuit.

EoS port interfaces offered as 10/100BaseT are only available at the customer premises location.

@ Nonrecurring charges as set forth in 7.5.15(H) (4) are applicable.

(D)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(L)

(C) Ports (Cont'd)

	<u>USOC CABS/CRIS</u>	<u>Monthly Rate</u>
(1) <u>Per port, at OC-3 Node</u> (Cont'd)		
(excluding Re-Map)		
- <u>1000BaseSX VCAT Ethernet*, @</u>		
36 Month	S5P2X/S5P2X	\$ 425.00
60 Month	S5P2X/S5P2X	350.00
Monthly Extension	S5P2X/S5P2X	500.00
- <u>1000BaseLX VCAT Ethernet*, @</u>		
36 Month	S5P3X/S5P3X	\$ 425.00
60 Month	S5P3X/S5P3X	350.00
Monthly Extension	S5P3X/S5P3X	500.00
STS-1-1v (48.384 Mbps)		
STS-1-2v (96.768 Mbps)		
STS-1-3v (145.152 Mbps)		
STS-1-4v (193.536 mbps)		
STS-1-5v (241.92 Mbps)		
STS-1-6v (290.304 Mbps)		
STS-1-9v (435.456 Mbps)		
STS-1-12v (580.608 Mbps)		
STS-1-21v (1016.064 Mbps)		
STS-3c-1v (149.76 Mbps)		
STS-3c-2v (299.52 Mbps)		
STS-3c-3v (449.28 mbps)		
STS-3c-4v (599.04 Mbps)		
STS-3c-7v (1048.32 Mbps)		

(L)

* Actual Payload capacity for selected bandwidth. Only single-mode fiber is available in the Central Office. The EoS line rates defined herein are based on the theoretical SONET payload line rates as specified in Telcordia Publication GR-253-CORE, Issue 4. These values are not representative of the true Ethernet transport capacity of the EoS circuit.

(N)

(N)

@ Nonrecurring charges as set forth in 7.5.15(H) (4) are applicable.

(L)

(L) Material formerly located on Sheet 338-Z-17-A.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports (Cont'd)

	<u>USOC CABS/CRIS</u>	<u>Monthly Rate</u>	
(1) <u>Per port, at OC-3 Node</u> (Cont'd)			(D)
- <u>1000BaseSX VCAT Ethernet*, @</u>			
36 Month	S5P2X/S5P2X	\$ 425.00	
60 Month	S5P2X/S5P2X	350.00	
Monthly Extension	S5P2X/S5P2X	500.00	
- <u>1000BaseLX VCAT Ethernet*, @</u>			
36 Month	S5P3X/S5P3X	\$ 425.00	
60 Month	S5P3X/S5P3X	350.00	
Monthly Extension	S5P3X/S5P3X	500.00	
STS-1-1v (48.384 Mbps)			
STS-1-2v (96.768 Mbps)			
STS-1-3v (145.152 Mbps)			
STS-1-4v (193.536 mbps)			
STS-1-5v (241.92 Mbps)			
STS-1-6v (290.304 Mbps)			
STS-1-9v (435.456 Mbps)			
STS-1-12v (580.608 Mbps)			
STS-1-21v (1016.064 Mbps)			
STS-3c-1v (149.76 Mbps)			
STS-3c-2v (299.52 Mbps)			
STS-3c-3v (449.28 mbps)			
STS-3c-4v (599.04 Mbps)			
STS-3c-7v (1048.32 Mbps)			

* Actual Payload capacity for selected bandwidth. Only single-mode fiber is available in the Central Office. The EoS line rates defined herein are based on the theoretical SONET payload line rates as specified in Telcordia Publication GR-253-CORE, Issue 4. These values are not representative of the true Ethernet transport capacity of the EoS circuit.

@ Nonrecurring charges as set forth in 7.5.15(H) (4) are applicable.

(D)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports (Cont'd)

	USOC CABS/CRIS	Monthly Rate	
(2) <u>Per port, at OC-12 Node</u> (excluding Re-Map)			
- <u>1.544 Mbps (DS1)</u> <u>at OC-12 Node^{*,#}</u>			(T)
36 month	SPRGX/SPRGX	\$ 50.00	
60 month	SPRGX/SPRGX	45.00	
Monthly Extension	SPRGX/SPRGX	65.00	
- <u>45 Mbps (DS3) at</u> <u>OC-12 Node</u>			
36 month	SPRCX/SPRCX	120.00	
60 month	SPRCX/SPRCX	110.00	
Monthly Extension	SPRCX/SPRCX	150.00	
- <u>155.5 Mbps (OC-3, OC-3c) at</u> <u>OC-12 Node</u>			
36 month	SPREX/SPREX	150.00	
60 month	SPREX/SPREX	135.00	
Monthly Extension	SPREX/SPREX	190.00	
- <u>100 Mbps Ethernet (STS-1)</u> <u>at OC-12 Node[@]</u>			(D)
36 month	S9TBX/S9TBX	145.00	
60 month	S9TBX/S9TBX	130.00	
Monthly Extension	S9TBX/S9TBX	225.00	
- <u>100 Mbps Ethernet (STS-3c)</u> <u>at OC-12 Node[@]</u>			(D)
36 month	S9TCX/S9TCX	180.00	
60 month	S9TCX/S9TCX	160.00	
Monthly Extension	S9TCX/S9TCX	280.00	

* Optical to Electrical DS1 Add/Drop capability as described in Section 7.2.15, (A) (5) is required with an OC-3 port.

The Optical to Electrical DS1 Add/Drop capability rate element is applicable when the 85th DS1 port is applied per OC-12 Node.

@ Where facilities and/or operating conditions permit.

(D)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports (Cont'd)

	USOC CABS/CRIS	Monthly Rate
(2) <u>Per port, at OC-12 Node</u>		
(D)		
- <u>1.544 Mbps (DS1) at OC-12 Node^{*,#}</u>		
36 month	SPRGX/SPRGX	\$ 50.00
60 month	SPRGX/SPRGX	45.00
Monthly Extension	SPRGX/SPRGX	65.00
- <u>45 Mbps (DS3) at OC-12 Node</u>		
36 month	SPRCX/SPRCX	120.00
60 month	SPRCX/SPRCX	110.00
Monthly Extension	SPRCX/SPRCX	150.00
- <u>155.5 Mbps (OC-3, OC-3c) at OC-12 Node</u>		
36 month	SPREX/SPREX	150.00
60 month	SPREX/SPREX	135.00
Monthly Extension	SPREX/SPREX	190.00
- <u>100 Mbps Ethernet (STS-1) at OC-12 Node[@]</u>		
36 month	S9TBX/S9TBX	145.00
60 month	S9TBX/S9TBX	130.00
Monthly Extension	S9TBX/S9TBX	225.00
- <u>100 Mbps Ethernet (STS-3c) at OC-12 Node[@]</u>		
36 month	S9TCX/S9TCX	180.00
60 month	S9TCX/S9TCX	160.00
Monthly Extension	S9TCX/S9TCX	280.00

* Optical to Electrical DS1 Add/Drop capability as described in Section 7.2.15, (A) (5) is required with an OC-3 port.

The Optical to Electrical DS1 Add/Drop capability rate element is applicable when the 85th DS1 port is applied per OC-12 Node.

@ Where facilities and/or operating conditions permit.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports (Cont'd)

	<u>USOC CABS/CRIS</u>	<u>Monthly Rate</u>	
(2) <u>Per port, at OC-12 Node</u> (Cont'd)			
(excluding Re-Map)			
- <u>1 Gbps Ethernet (STS-1)</u> <u>at OC-12 Node</u>			(D)
36 Month	S9TDX/S9TDX	\$ 250.00	
60 Month	S9TDX/S9TDX	200.00	
Monthly Extension	S9TDX/S9TDX	350.00	
- <u>1Gbps Ethernet (STS-3c)</u> <u>at OC-12 Node</u>			(D)
36 Month	S9TEX/S9TEX	250.00	
60 Month	S9TEX/S9TEX	200.00	
Monthly Extension	S9TEX/S9TEX	350.00	
- <u>EC-1 Re-Map Port</u> <u>at OC-12 Node*</u>			
36 Month	S9N8X/S9N8X	120.00	
60 Month	S9N8X/S9N8X	110.00	
Monthly Extension	S9N8X/S9N8X	150.00	
- <u>EC-1 Port</u> <u>at OC-12 Node*</u>			
36 Month	S9NUX/S4NJX	120.00	
60 Month	S9NUX/S4NJX	110.00	
Monthly Extension	S9NUX/S4NJX	150.00	

(D)

* EC-1 Port offered as Customer Premises termination and as a CO termination (T) where facilities and/or operating conditions permit.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports (Cont'd)

	USOC CABS/CRIS	Monthly Rate	
(2) <u>Per port, at OC-12 Node</u> (Cont'd)			(D)
- <u>1 Gbps Ethernet (STS-1)</u> <u>at OC-12 Node</u>			
36 Month	S9TDX/S9TDX	\$ 250.00	
60 Month	S9TDX/S9TDX	200.00	
Monthly Extension	S9TDX/S9TDX	350.00	
- <u>1Gbps Ethernet (STS-3c)</u> <u>at OC-12 Node</u>			
36 Month	S9TEX/S9TEX	250.00	
60 Month	S9TEX/S9TEX	200.00	
Monthly Extension	S9TEX/S9TEX	350.00	
			(D)
			(D)
- <u>EC-1 Port</u> <u>at OC-12 Node*</u>			
36 Month	S9NUX/S4NJX	120.00	
60 Month	S9NUX/S4NJX	110.00	
Monthly Extension	S9NUX/S4NJX	150.00	

* EC-1 Port offered as Customer Premises termination and as a CO termination where facilities and/or operating conditions permit.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports (Cont'd)

	USOC CABS/CRIS	Monthly Rate
(2) <u>Per port, at OC-12 Node</u> (Cont'd)		
<u>(excluding Re-Map)</u>		
- <u>10/100BaseT VCAT Ethernet</u> ^{*, #, @}		
36 Month	S5P1X/S5P1X	\$ 250.00
60 Month	S5P1X/S5P1X	180.00
Monthly Extension	S5P1X/S5P1	350.00
VT1.5-1v (1.6 Mbps)		
VT1.5-2v (3.2 Mbps)		
VT1.5-3v (4.8 Mbps)		
VT1.5-4v (6.4 Mbps)		
VT1.5-5v (8.0 Mbps)		
VT1.5-6v (9.6 Mbps)		
VT1.5-7v (11.2 Mbps)		
VT1.5-8v (12.4 Mbps)		
VT1.5-10v (16.0 Mbps)		
VT1.5-13v (20.8 Mbps)		
STS-1-1v (48.384 Mbps)		
STS-1-2v (96.768 Mbps)		

* Actual Payload capacity for selected bandwidth. Only single-mode fiber is available in the Central Office. The EoS line rates defined herein are based on the theoretical SONET payload line rates as specified in Telcordia Publication GR-253-CORE, Issue 4. These values are not representative of the true Ethernet transport capacity of the EoS circuit. (N)

EoS port interfaces offered as 10/100BaseT are only available at the customer premises location. (N)

@ Nonrecurring charges as set forth in 7.5.15, (H) (4) are applicable.

Material omitted now located on Sheet 338-Z-19-B

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports (Cont'd)

	USOC CABS/CRIS	Monthly Rate	
(2) <u>Per port, at OC-12 Node</u> (Cont'd)			(D)
- <u>10/100BaseT VCAT Ethernet</u> ^{*, #, @}			
36 Month	S5P1X/S5P1X	\$ 250.00	
60 Month	S5P1X/S5P1X	180.00	
Monthly Extension	S5P1X/S5P1	350.00	
VT1.5-1v (1.6 Mbps)			
VT1.5-2v (3.2 Mbps)			
VT1.5-3v (4.8 Mbps)			
VT1.5-4v (6.4 Mbps)			
VT1.5-5v (8.0 Mbps)			
VT1.5-6v (9.6 Mbps)			
VT1.5-7v (11.2 Mbps)			
VT1.5-8v (12.4 Mbps)			
VT1.5-10v (16.0 Mbps)			
VT1.5-13v (20.8 Mbps)			
STS-1-1v (48.384 Mbps)			
STS-1-2v (96.768 Mbps)			

* Actual Payload capacity for selected bandwidth. Only single-mode fiber is available in the Central Office. The EoS line rates defined herein are based on the theoretical SONET payload line rates as specified in Telcordia Publication GR-253-CORE, Issue 4. These values are not representative of the true Ethernet transport capacity of the EoS circuit.

EoS port interfaces offered as 10/100BaseT are only available at the customer premises location.

@ Nonrecurring charges as set forth in 7.5.15, (H) (4) are applicable.

(D)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(L)

(C) Ports (Cont'd)

	<u>USOC CABS/CRIS</u>	<u>Monthly Rate</u>
(2) <u>Per port, at OC-12 Node</u> (Cont'd)		
<u>(excluding Re-Map)</u>		
- <u>1000BaseSX VCAT Ethernet*,@</u>		
36 Month	S5P2X/S5P2X	\$ 425.00
60 Month	S5P2X/S5P2X	350.00
Monthly Extension	S5P2X/S5P2X	500.00
- <u>1000BaseLX VCAT Ethernet*,@</u>		
36 Month	S5P3X/S5P3X	\$ 425.00
60 Month	S5P3X/S5P3X	350.00
Monthly Extension	S5P3X/S5P3X	500.00
STS-1-1v (48.384 Mbps)		
STS-1-2v (96.768 Mbps)		
STS-1-3v (145.152 Mbps)		
STS-1-4v (193.536 mbps)		
STS-1-5v (241.92 Mbps)		
STS-1-6v (290.304 Mbps)		
TS-1-9v (435.456 Mbps)		
STS-1-12v (580.608 Mbps)		
STS-1-21v (1016.064 Mbps)		
STS-3c-1v (149.76 Mbps)		
STS-3c-2v (299.52 Mbps)		
STS-3c-3v (449.28 mbps)		
STS-3c-4v (599.04 Mbps)		
STS-3c-7v (1048.32 Mbps)		

(L)

* Actual Payload capacity for selected bandwidth. Only single-mode fiber is available in the Central Office. The EoS line rates defined herein are based on the theoretical SONET payload line rates as specified in Telcordia Publication GR-253-CORE, Issue 4. These values are not representative of the true Ethernet transport capacity of the EoS circuit.

(N)

(N)

@ Nonrecurring charges as set forth in 7.5.15, (H) (4) are applicable.

(L)

(L) Material formerly located on Sheet 338-Z-19-A

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports (Cont'd)

	<u>USOC CABS/CRIS</u>	<u>Monthly Rate</u>	
(2) <u>Per port, at OC-12 Node</u> (Cont'd)			(D)
- <u>1000BaseSX VCAT Ethernet</u> *, @			
<u>36 Month</u>	S5P2X/S5P2X	\$ 425.00	
<u>60 Month</u>	S5P2X/S5P2X	350.00	
<u>Monthly Extension</u>	S5P2X/S5P2X	500.00	
- <u>1000BaseLX VCAT Ethernet</u> *, @			
<u>36 Month</u>	S5P3X/S5P3X	\$ 425.00	
<u>60 Month</u>	S5P3X/S5P3X	350.00	
<u>Monthly Extension</u>	S5P3X/S5P3X	500.00	
STS-1-1v (48.384 Mbps)			
STS-1-2v (96.768 Mbps)			
STS-1-3v (145.152 Mbps)			
STS-1-4v (193.536 mbps)			
STS-1-5v (241.92 Mbps)			
STS-1-6v (290.304 Mbps)			
TS-1-9v (435.456 Mbps)			
STS-1-12v (580.608 Mbps)			
STS-1-21v (1016.064 Mbps)			
STS-3c-1v (149.76 Mbps)			
STS-3c-2v (299.52 Mbps)			
STS-3c-3v (449.28 mbps)			
STS-3c-4v (599.04 Mbps)			
STS-3c-7v (1048.32 Mbps)			

* Actual Payload capacity for selected bandwidth. Only single-mode fiber is available in the Central Office. The EoS line rates defined herein are based on the theoretical SONET payload line rates as specified in Telcordia Publication GR-253-CORE, Issue 4. These values are not representative of the true Ethernet transport capacity of the EoS circuit.

@ Nonrecurring charges as set forth in 7.5.15, (H) (4) are applicable.

(D)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports (Cont'd)

	<u>USOC CABS/CRIS</u>	<u>Monthly Rate</u>	
(3) <u>Per port, at OC-48 Node</u> (excluding Re-Map)			
- <u>1.544 Mbps (DS1) at OC-48 Node</u>			
36 month	SPRLX/SPRLX	\$ 50.00	
60 month	SPRLX/SPRLX	45.00	
Monthly Extension	SPRLX/SPRLX	65.00	
- <u>45 Mbps (DS3) at OC-48 Node*</u>			
36 month	SPRKX/SPRKX	120.00	
60 month	SPRKX/SPRKX	110.00	
Monthly Extension	SPRKX/SPRKX	150.00	
- <u>155.5 Mbps (OC3, OC-3c) at OC-48 Node</u>			
36 month	SPRJX/SPRJX	150.00	
60 month	SPRJX/SPRJX	135.00	
Monthly Extension	SPRJX/SPRJX	190.00	
- <u>622 Mbps (OC-12, OC-12c) at OC-48 Node</u>			
36 month	SPRHX/SPRHX	375.00	
60 month	SPRHX/SPRHX	360.00	
Monthly Extension	SPRHX/SPRHX	475.00	
- <u>100 Mbps Ethernet (STS-1)</u> <u>at OC-48 Node#</u>			(D)
36 month	S9TGX/S9TGX	145.00	
60 month	S9TGX/S9TGX	130.00	
Monthly Extension	S9TGX/S9TGX	225.00	
- <u>100 Mbps Ethernet (STS-3c)</u> <u>at OC-48 Node#</u>			(D)
36 month	S9THX/S9THX	180.00	
60 month	S9THX/S9THX	160.00	
Monthly Extension	S9THX/S9THX	280.00	
- <u>1 Gbps Ethernet (STS-1)</u> <u>at OC-48 Node</u>			(D)
36 month	S9TJX/S9TJX	250.00	
60 month	S9TJX/S9TJX	200.00	
Monthly Extension	S9TJX/S9TJX	350.00	

* For OC-48 SONET Rings, the Add/Drop capability rate element is applicable only once and only when the 25th DS3 port is applied per Node.

Where facilities and/or operating conditions permit.

(D)
 (T)
 (D)
 (D)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports (Cont'd)

	<u>USOC CABS/CRIS</u>	<u>Monthly Rate</u>	(D)
(3) <u>Per port, at OC-48 Node</u>			
- <u>1.544 Mbps (DS1) at OC-48 Node</u>			
36 month	SPRLX/SPRLX	\$ 50.00	
60 month	SPRLX/SPRLX	45.00	
Monthly Extension	SPRLX/SPRLX	65.00	
- <u>45 Mbps (DS3) at OC-48 Node*</u>			
36 month	SPRKX/SPRKX	120.00	
60 month	SPRKX/SPRKX	110.00	
Monthly Extension	SPRKX/SPRKX	150.00	
- <u>155.5 Mbps (OC3, OC-3c) at OC-48 Node</u>			
36 month	SPRJX/SPRJX	150.00	
60 month	SPRJX/SPRJX	135.00	
Monthly Extension	SPRJX/SPRJX	190.00	
- <u>622 Mbps (OC-12, OC-12c) at OC-48 Node</u>			
36 month	SPRHX/SPRHX	375.00	
60 month	SPRHX/SPRHX	360.00	
Monthly Extension	SPRHX/SPRHX	475.00	
- <u>100 Mbps Ethernet (STS-1) at OC-48 Node#</u>			
36 month	S9TGX/S9TGX	145.00	
60 month	S9TGX/S9TGX	130.00	
Monthly Extension	S9TGX/S9TGX	225.00	
- <u>100 Mbps Ethernet (STS-3c) at OC-48 Node#</u>			
36 month	S9THX/S9THX	180.00	
60 month	S9THX/S9THX	160.00	
Monthly Extension	S9THX/S9THX	280.00	
- <u>1 Gbps Ethernet (STS-1) at OC-48 Node</u>			
36 month	S9TJX/S9TJX	250.00	
60 month	S9TJX/S9TJX	200.00	
Monthly Extension	S9TJX/S9TJX	350.00	

* For OC-48 SONET Rings, the Add/Drop capability rate element is applicable only once and only when the 25th DS3 port is applied per Node.
 # Where facilities and/or operating conditions permit.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports (Cont'd)

	<u>USOC CABS/CRIS</u>	<u>Monthly Rate</u>	
(3) <u>Per port, at OC-48 Node</u> (Cont'd) (excluding Re-Map)			(T)
- <u>1 Gbps Ethernet (STS-3c)</u> <u>at OC-48 Node</u>			(D)
36 month	S9TKX/S9TKX	\$ 250.00	
60 month	S9TKX/S9TKX	200.00	
Monthly Extension	S9TKX/S9TKX	350.00	
- <u>1 Gbps Ethernet (STS-12c)</u> <u>at OC-48 Node</u>			(D)
36 month	S9TLX/S9TLX	600.00	
60 month	S9TLX/S9TLX	500.00	
Monthly Extension	S9TLX/S9TLX	875.00	
- <u>1 Gbps Ethernet (STS-24c)</u> <u>at OC-48 Node</u>			(D)
36 month	S9TMX/S9TMX	900.00	
60 month	S9TMX/S9TMX	850.00	
Monthly Extension	S9TMX/S9TMX	1,500.00	
- <u>EC-1 Re-Map Port</u> <u>at OC-48 Node*</u>			(T)
36 Month	S9N9X/S9N9X	120.00	
60 Month	S9N9X/S9N9X	110.00	
Monthly Extension	S9N9X/S9N9X	150.00	
- <u>EC-1 Port</u> <u>at OC-48 Node*</u>			(T)
36 Month	S9NVX/S4NKX	120.00	
60 Month	S9NVX/S4NKX	110.00	
Monthly Extension	S9NVX/S4NKX	150.00	

(D)

* EC-1 Port offered as Customer Premises termination and as a CO termination (T)
 where facilities and/or operating conditions permit.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports (Cont'd)

	<u>USOC CABS/CRIS</u>	<u>Monthly Rate</u>	
(3) <u>Per port, at OC-48 Node</u> (Cont'd)			(D)
- <u>1 Gbps Ethernet (STS-3c) at OC-48 Node</u>			
36 month	S9TKX/S9TKX	\$ 250.00	
60 month	S9TKX/S9TKX	200.00	
Monthly Extension	S9TKX/S9TKX	350.00	
- <u>1 Gbps Ethernet (STS-12c) at OC-48 Node</u>			
36 month	S9TLX/S9TLX	600.00	
60 month	S9TLX/S9TLX	500.00	
Monthly Extension	S9TLX/S9TLX	875.00	
- <u>1 Gbps Ethernet (STS-24c) at OC-48 Node</u>			
36 month	S9TMX/S9TMX	900.00	
60 month	S9TMX/S9TMX	850.00	
Monthly Extension	S9TMX/S9TMX	1,500.00	
			(D)
- <u>EC-1 Port at OC-48 Node*</u>			
36 Month	S9NVX/S4NKX	120.00	
60 Month	S9NVX/S4NKX	110.00	
Monthly Extension	S9NVX/S4NKX	150.00	
			(D)

* EC-1 Port offered as Customer Premises termination and as a CO termination where facilities and/or operating conditions permit.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports (Cont'd)

	<u>USOC CABS/CRIS</u>	<u>Monthly Rate</u>
(3) <u>Per port, at OC-48 Node</u> (Cont'd)		
<u>(excluding Re-Map)</u>		
- <u>10/100BaseT VCAT Ethernet*, #, @</u>		
36 Month	S5P1X/S5P1X	\$ 250.00
60 Month	S5P1X/S5P1X	180.00
Monthly Extension	S5P1X/S5P1X	350.00
VT1.5-1v (1.6 Mbps)		
VT1.5-2v (3.2 Mbps)		
VT1.5-3v (4.8 Mbps)		
VT1.5-4v (6.4 Mbps)		
VT1.5-5v (8.0 Mbps)		
VT1.5-6v (9.6 Mbps)		
VT1.5-7v (11.2 Mbps)		
VT1.5-8v (12.4 Mbps)		
VT1.5-10v (16.0 Mbps)		
VT1.5-13v (20.8 Mbps)		
STS-1-1v (48.384 Mbps)		
STS-1-2v (96.768 Mbps)		

* Actual Payload capacity for selected bandwidth. Only single-mode fiber is available in the Central Office. The EoS line rates defined herein are based on the theoretical SONET payload line rates as specified in Telcordia Publication GR-253-CORE, Issue 4. These values are not representative of the true Ethernet transport capacity of the EoS circuit. (N)

EoS port interfaces offered as 10/100BaseT are only available at the customer premises location. (N)

@ Nonrecurring charges as set forth in 7.5.15(H) (4) are applicable.

Material omitted now located on Sheet 338-Z-21-B

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports (Cont'd)

	<u>USOC CABS/CRIS</u>	<u>Monthly Rate</u>
(3) <u>Per port, at OC-48 Node</u> (Cont'd)		
		(D)
- <u>10/100BaseT VCAT Ethernet*, #, @</u>		
36 Month	S5P1X/S5P1X	\$ 250.00
60 Month	S5P1X/S5P1X	180.00
Monthly Extension	S5P1X/S5P1X	350.00
VT1.5-1v (1.6 Mbps)		
VT1.5-2v (3.2 Mbps)		
VT1.5-3v (4.8 Mbps)		
VT1.5-4v (6.4 Mbps)		
VT1.5-5v (8.0 Mbps)		
VT1.5-6v (9.6 Mbps)		
VT1.5-7v (11.2 Mbps)		
VT1.5-8v (12.4 Mbps)		
VT1.5-10v (16.0 Mbps)		
VT1.5-13v (20.8 Mbps)		
STS-1-1v (48.384 Mbps)		
STS-1-2v (96.768 Mbps)		

* Actual Payload capacity for selected bandwidth. Only single-mode fiber is available in the Central Office. The EoS line rates defined herein are based on the theoretical SONET payload line rates as specified in Telcordia Publication GR-253-CORE, Issue 4. These values are not representative of the true Ethernet transport capacity of the EoS circuit.
 # EoS port interfaces offered as 10/100BaseT are only available at the customer premises location.
 @ Nonrecurring charges as set forth in 7.5.15(H) (4) are applicable.

(D)
 Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(L)

(C) Ports (Cont'd)

	<u>USOC CABS/CRIS</u>	<u>Monthly Rate</u>
--	---------------------------	-------------------------

(3) Per port, at OC-48 Node (Cont'd)
 (excluding Re-Map)

- <u>1000BaseSX VCAT Ethernet*,@</u>		
36 Month	S5P2X/S5P2X	\$425.00
60 Month	S5P2X/S5P2X	350.00
Monthly Extension	S5P2X/S5P2X	500.00
- <u>1000BaseLX VCAT Ethernet*,@</u>		
36 Month	S5P3X/S5P3X	\$425.00
60 Month	S5P3X/S5P3X	350.00
Monthly Extension	S5P3X/S5P3X	500.00
STS 1-1v (48.384 Mbps)		
STS 1-2v (96.768 Mbps)		
STS 1-3v (145.152 Mbps)		
STS-1-4v (193.536 mbps)		
STS-1-5v (241.92 Mbps)		
STS-1-6v (290.304 Mbps)		
STS-1-9v (435.456 Mbps)		
STS-1-12v (580.608 Mbps)		
STS-1-21v (1016.064 Mbps)		
STS-3c-1v (149.76 Mbps)		
STS-3c-2v (299.52 Mbps)		
STS-3c-3v (449.28 mbps)		
STS-3c-4v (599.04 Mbps)		
STS-3c-7v (1048.32 Mbps)		

(L)

* Actual Payload capacity for selected bandwidth. Only single-mode fiber is available in the Central Office. The EoS line rates defined herein are based on the theoretical SONET payload line rates as specified in Telcordia Publication GR-253-CORE, Issue 4. These values are not representative of the true Ethernet transport capacity of the EoS circuit.

(N)

(N)

@ Nonrecurring charges as set forth in 7.5.15(H) (4) are applicable.

(L)

(L) Material formerly appeared on Sheet 338-Z-21-A

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports (Cont'd)

	<u>USOC CABS/CRIS</u>	<u>Monthly Rate</u>	
(3) <u>Per port, at OC-48 Node</u> (Cont'd)			(D)
- <u>1000BaseSX VCAT Ethernet*,@</u>			
36 Month	S5P2X/S5P2X	\$425.00	
60 Month	S5P2X/S5P2X	350.00	
Monthly Extension	S5P2X/S5P2X	500.00	
- <u>1000BaseLX VCAT Ethernet*,@</u>			
36 Month	S5P3X/S5P3X	\$425.00	
60 Month	S5P3X/S5P3X	350.00	
Monthly Extension	S5P3X/S5P3X	500.00	
STS 1-1v (48.384 Mbps)			
STS 1-2v (96.768 Mbps)			
STS 1-3v (145.152 Mbps)			
STS-1-4v (193.536 mbps)			
STS-1-5v (241.92 Mbps)			
STS-1-6v (290.304 Mbps)			
STS-1-9v (435.456 Mbps)			
STS-1-12v (580.608 Mbps)			
STS-1-21v (1016.064 Mbps)			
STS-3c-1v (149.76 Mbps)			
STS-3c-2v (299.52 Mbps)			
STS-3c-3v (449.28 mbps)			
STS-3c-4v (599.04 Mbps)			
STS-3c-7v (1048.32 Mbps)			

* Actual Payload capacity for selected bandwidth. Only single-mode fiber is available in the Central Office. The EoS line rates defined herein are based on the theoretical SONET payload line rates as specified in Telcordia Publication GR-253-CORE, Issue 4. These values are not representative of the true Ethernet transport capacity of the EoS circuit.

@ Nonrecurring charges as set forth in 7.5.15(H) (4) are applicable.

(D)
 Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports (Cont'd)

(4) Per Port, Re-Map*

	USOC CABS/CRIS	Monthly Rate	(N)
- <u>per 1.544 Mbps (DS1) Re-Map Port Block</u>			
- <u>at OC-3 Ring</u>			
36 month	P8RAX/P8RAX	\$1,400.00	
60 month	P8RAX/P8RAX	1,260.00	
Monthly Extension	P8RAX/P8RAX	1,820.00	
- <u>at OC-12 Ring</u>			
36 month	P8RGX/P8RGX	1,400.00	
60 month	P8RGX/P8RGX	1,260.00	
Monthly Extension	P8RGX/P8RGX	1,820.00	
- <u>at OC-48 Ring</u>			
36 month	P8RLX/P8RLX	1,400.00	
60 month	P8RLX/P8RLX	1,260.00	
Monthly Extension	P8RLX/P8RLX	1,820.00	
- <u>per 45 Mbps (DS3) Re-Map Port</u>			
- <u>at OC-3 Ring</u>			
36 month	P8RBX/P8RBX	120.00	
60 month	P8RBX/P8RBX	110.00	
Monthly Extension	P8RBX/P8RBX	150.00	
- <u>at OC-12 Ring</u> (Block consists of 3 DS3 Ports)			
36 month	P8RCX/P8RCX	360.00	
60 month	P8RCX/P8RCX	330.00	
Monthly Extension	P8RCX/P8RCX	450.00	
- <u>at OC-48</u> (Block consists of 3 DS3 Ports)			
36 month	P8RKX/P8RKX	360.00	
60 month	P8RKX/P8RKX	330.00	
Monthly Extension	P8RKX/P8RKX	450.00	
- <u>per 155.5 Mbps (OC-3) Re-Map Port</u>			
- <u>at OC-12 Ring</u>			
36 month	P8REX/P8REX	150.00	
60 month	P8REX/P8REX	130.00	
Monthly Extension	P8REX/P8REX	190.00	
- <u>at OC-48 Ring</u>			
36 month	P8RJX/P8RJX	150.00	
60 month	P8RJX/P8RJX	130.00	
Monthly Extension	P8RJX/P8RJX	190.00	

* Re-Map port offered as Customer Premises termination only.

Material omitted now located on Sheet 338-Z-25.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports (Cont'd)

	USOC CABS/CRIS	<u>Monthly Rate</u>
(4) <u>Per Port, Re-Map*</u> (Cont'd)		
- <u>per 622 Mbps (OC-12) Re-Map Port</u>		
- <u>at OC-48 Ring</u>		
36 month	P8RHX/P8RHX	\$ 375.00
60 month	P8RHX/P8RHX	350.00
Monthly Extension	P8RHX/P8RHX	475.00

(D) Transmux

- <u>DS3 Port with Transmux, per port on OC-3, OC-12</u>			
36 Month	S4NGX/S4NGX	\$ 450.00	
60 Month	S4NGX/S4NGX	350.00	
Monthly Extension	S4NGX/S4NGX	575.00	
- <u>DS3 Re-Map Port with Transmux, per port on OC-3, OC-12</u>			
36 Month	P8RBX/RN7TX	\$ 550.00	
60 Month	P8RBX/RN7TX	450.00	
Monthly Extension	P8RBX/RN7TX	675.00	
- <u>DS3 Port with Transmux, per port on OC-48</u>			
36 Month	S4NGX/S4NGX	\$ 550.00	
60 Month	S4NGX/S4NGX	450.00	
Monthly Extension	S4NGX/S4NGX	575.00	(R)
- <u>DS3 Re-Map Port with Transmux, per port on OC-48</u>			
36 Month	P8RKX/RN7TX	\$ 550.00	
60 Month	P8RKX/RN7TX	450.00	
Monthly Extension	P8RKX/RN7TX	675.00	

(E) Optical to Electrical Add/Drop Capability

- <u>per OC-3 to DS1 Add/Drop, once per arrangement[#]</u>			
36 month	MXJDX/MXJDX	875.00	
60 month	MXJDX/MXJDX	700.00	
Monthly Extension	MXJDX/MXJDX	1,050.00	
- <u>per OC-3 to DS1 Add/Drop Re-Map[@]</u>			
36 month	M8RDX/M8RDX	875.00	
60 month	M8RDX/M8RDX	700.00	
Monthly Extension	M8RDX/M8RDX	1,050.00	

* Re-Map port offered as Customer Premises termination only.

The Optical-to-Electrical DS1 Add/Drop capability rate element is applicable when the 85th DS1 port is applied per OC-12 Node.

@ Optical to Electrical DS1 Add/Drop capability as described in Section 7.2.15, (A) (6) is required with an OC-3 Port.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports (Cont'd)

USOC
CABS/CRIS

Monthly
Rate

(D)

(D) Transmux

- DS3 Port with Transmux,
per port on OC-3, OC-12
 36 Month
 60 Month
 Monthly Extension

S4NGX/S4NGX
 S4NGX/S4NGX
 S4NGX/S4NGX

\$ 450.00
 350.00
 575.00

(D)

(D)

(D)

- DS3 Port with Transmux,
per port on OC-48
 36 Month
 60 Month
 Monthly Extension

S4NGX/S4NGX
 S4NGX/S4NGX
 S4NGX/S4NGX

\$ 550.00
 450.00
 575.00

(D)

(D)

(E) Optical to Electrical Add/Drop Capability

- per OC-3 to DS1 Add/Drop, once per arrangement #, @

36 month
 60 month
 Monthly Extension

MXJDX/MXJDX
 MXJDX/MXJDX
 MXJDX/MXJDX

875.00
 700.00
 1,050.00

(D)

(D)

(D)

The Optical-to-Electrical DS1 Add/Drop capability rate element is applicable when the 85th DS1 port is applied per OC-12 Node.

@ Optical to Electrical DS1 Add/Drop capability as described in Section 7.2.15, (A) (6) is required with an OC-3 Port.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(F) Mileage

<u>Mileage Bands</u>	<u>USOC CABS/CRIS</u>	<u>Monthly Rate</u>		
		<u>Fixed</u>	<u>Per Mile</u>	
<u>OC- 3</u>				
36 Month Term				
0 Miles	1YAZX/1YAZ3	None	None	
Over 0 Miles	1YAZX/1YAZ3	None	\$260.00	
60 Month Term				
0 Miles	1YAZX/1YAZ5	None	None	
Over 0 Miles	1YAZX/1YAZ5	None	\$220.00	(T)
Monthly Extension Rate				
0 Miles	1YAZX/1YAZM	None	None	
Over 0 Miles	1YAZX/1YAZM	None	\$330.00	(T)
<u>OC- 12</u>				
36 Month Term				
0 Miles	1YAZX/1YAZ3	None	None	
Over 0 Miles	1YAZX/1YAZ3	None	\$260.00	(T)
60 Month Term				
0 Miles	1YAZX/1YAZ5	None	None	
Over 0 Miles	1YAZX/1YAZ5	None	\$220.00	(T)
Monthly Extension Rate				
0 Miles	1YAZX/1YAZM	None	None	
Over 0 Miles	1YAZX/1YAZM	None	\$330.00	(T)
<u>OC- 48</u>				
36 Month Term				
0 Miles	1YAZX/1YAZ3	None	None	
Over 0 Miles	1YAZX/1YAZ3	None	\$260.00	(T)
60 Month Term				
0 Miles	1YAZX/1YAZ5	None	None	
Over 0 Miles	1YAZX/1YAZ5	None	\$220.00	(T)
Monthly Extension Rate				
0 Miles	1YAZX/1YAZM	None	None	
Over 0 Miles	1YAZX/1YAZM	None	\$330.00	(T) (L)

(L) Material formerly located on Sheet 338-Z-21.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(G) Regenerator

(T) (L)

	USOC CABS/CRIS	Monthly Rate	
- <u>OC-3</u>			
36 month	RGY/RGYS3	\$ 1,000.00	
60 month	RGY/RGYS5	800.00	
Monthly Extension	RGY/RGYSM	1,200.00	
- <u>OC-12</u>			
36 month	RGY/RGYS3	2,620.00	
60 month	RGY/RGYS5	2,095.00	
Monthly Extension	RGY/RGYSM	3,140.00	
- <u>OC-48</u>			
36 month	RGY/RGYS3	3,275.00	
60 month	RGY/RGYS5	2,620.00	
Monthly Extension	RGY/RGYSM	3,930.00	(L)

Nonrecurring
Charge

(D) (L) x
 (D)
 (T)

(H) Non-Recurring Charges

(1) Administrative Charge, per order

OC-3 Dedicated Ring	ORCMX/ORCMX	\$ 50.00	
OC-12 Dedicated Ring	ORCMX/ORCMX	50.00	
OC-48 Dedicated Ring	ORCMX/ORCMX	50.00	

(2) Design and Central Office
 Connection Charge, per circuit*

OC-3 Dedicated Ring	NRMCK/NRBCL	600.00	(T)
OC-12 Dedicated Ring	NRMCK/NRBCL	600.00	
OC-48 Dedicated Ring	NRMCK/NRBCL	600.00	(L) x

* Per circuit is applied once per the total original Ring design.

(L) x

(L) Material formerly located on Sheet 338-Z-22.

(N)

(L)x Material formerly located on Sheet 338-Z-23.

|

Material omitted now located on Sheet 338-Z-27.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

	USOC <u>CABS/CRIS</u>	<u>Nonrecurring Charges</u>	
(H) <u>Non-Recurring Charges</u>			(T)
(3) <u>Node</u>			
- <u>OC-3</u>			
Customer Premises Node, (excluding re-Map) Subsequent Installation	NRBS7/NRBS7	\$ 400.00	(T) (L)
Central Office Node, Subsequent Installation	NRBSV/NRBSV	325.00	
Customer Premises Node, additional Re-Map, Subsequent Installation	NRBS7/NRMRX	400.00	(N) (N)
- <u>OC-12</u>			
Customer Premises Node, (excluding re-Map) Subsequent Installation	NRBS7/NRBS7	400.00	
Central Office Node Subsequent Installation,	NRBSV/NRBSV	325.00	
Customer Premises Node, additional Re-Map, Subsequent Installation	NRBS7/ NRMRX	400.00	(N) (N)
- <u>OC-48</u>			
Customer Premises Node, (excluding re-Map) Subsequent Installation	NRBS7/NRBS7	400.00	
Central Office Node, Subsequent Installation	NRBSV/NRBSV	325.00	(L)
Customer Premises Node, additional Re-Map Subsequent installation	NRBS7/NRMRX	400.00	(N) (N)

(L) Material formerly located on Sheet 338-Z-24.
 Material omitted now located on Sheet 338-Z-27-A.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

	<u>USOC CABS/CRIS</u>	<u>Nonrecurring Charges</u>	
(H) <u>Non-Recurring Charges</u> (Cont'd)			
(4) <u>Ports*</u>			
<u>Per port, at OC-3 Node</u>			
- 1.544 Mbps (DS1) at OC-3 Node, per subsequent installation	NRBSY/NRBSY	\$ 350.00	
- 45 Mbps (DS3/DS3 with Transmux) at OC-3 Node, per subsequent installation	NRBSX/NRBSX	385.00	
- 100 Mbps Ethernet (STS-1) at OC-3 Node, per subsequent installation	NRM63/NRBY4	215.00	(D)
- EC-1 port at OC-3 Node, per subsequent installation [#]	NRBSX/NRBSX	385.00	(T)

* Applicable to 36 Month, 60 Month and Monthly Extension Term Plans.

EC-1 Port offered as Customer Premises termination and as a CO termination where facilities and/or operating conditions permit. (D) (T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

	<u>USOC CABS/CRIS</u>	<u>Nonrecurring Charges</u>	
(H) <u>Non-Recurring Charges</u> (Cont'd)			
(4) <u>Ports*</u> (Cont'd)			
<u>Per port, at OC-12 Node</u>			
- 1.544 Mbps (DS1) at OC-12 Node, per subsequent installation	NRBSY/NRBSY	\$350.00	
- 45 Mbps (DS3/DS3 w/Transmux) at OC-12 Node, per subsequent installation	NRBSX/NRBSX	385.00	
- 155.5 Mbps (OC-3, OC-3c) at OC-12 Node, per subsequent installation	NRBSW/NRBSW	400.00	
- 100 Mbps Ethernet (STS-1) at OC-12 Node, per subsequent installation	NRM63/NRBY4	215.00	(D)
- 100 Mbps Ethernet (STS-3c) at OC-12 Node, per subsequent installation	NRM64/NRBY4	215.00	(D)
- 1 Gbps Ethernet (STS-1) at OC-12 Node, per subsequent installation	NRM65/NRBY5	215.00	(D)
- 1 Gbps Ethernet (STS-3c) at OC-12 Node, per subsequent installation	NRM66/NRBY5	215.00	(D)
- EC-1 port at OC-12 Node, per subsequent installation#	NRBSX/NRBSX	385.00	(T)

* Applicable to 36 Month, 60 Month and Monthly Extension Term Plans.

EC-1 Port offered as Customer Premises termination and as a CO termination where facilities and/or operating conditions permit. (D) (T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

	<u>USOC CABS/CRIS</u>	<u>Nonrecurring Charges</u>	
(H) <u>Non-Recurring Charges (Cont'd)</u>			
(4) <u>Ports* (Cont'd)</u>			
<u>Per port, at OC-48 Node</u>			
- 1.544 Mbps (DS1) at OC-48 Node, per subsequent installation	NRBSY/NRBSY	\$350.00	
- 45 Mbps (DS3) at OC-48 Node, per subsequent installation	NRBSX/NRBSX	385.00	
- 45 Mbps (DS3) Transmux at OC-48 Node, per subsequent installation	NRBSX/NRBSX	385.00	
- 155.5 Mbps (OC3, OC-3c) at OC-48 Node, per subsequent installation	NRBSW/NRBSW	400.00	
- 622 Mbps (OC-12, OC-12c) at OC-48 Node, per subsequent installation	NRBSZ/NRBSZ	400.00	
- 100 Mbps Ethernet (STS-1) at OC-48 Node, per subsequent installation	NRM63/NRBY4	215.00	(D)
- 100 Mbps Ethernet (STS-3c) at OC-48 Node, per subsequent installation	NRM64/NRBY4	215.00	(D)
- 1 Gbps Ethernet (STS-1) at OC-48 Node, per subsequent installation	NRM65/NRBY5	215.00	(D)
- 1 Gbps Ethernet (STS-3c) at OC-48 Node, per subsequent installation	NRM66/NRBY5	215.00	(D)
- 1 Gbps Ethernet (STS-12c) at OC-48 Node, per subsequent installation	NRM67/NRBY5	215.00	(D)
- 1 Gbps Ethernet (STS-24c) at OC-48 Node, per subsequent installation	NRM68/NRBY5	215.00	(D)
- EC-1 port at OC-48 Node, per subsequent installation [#]	NRBSX/NRBSX	385.00	(T)

* Applicable to 36 Month, 60 Month and Monthly Extension Term Plans.

EC-1 Port offered as Customer Premises termination and as a CO termination where facilities and/or operating conditions permit.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

	<u>USOC CABS/CRIS</u>	<u>Nonrecurring Charges</u>	
(H) <u>Non-Recurring Charges</u> (Cont'd)			
(4) <u>Ports*</u> (Cont'd)			(N)
- per subsequent installation			
10/100BaseT VCAT Ethernet Port	NRM63/NRBY4	\$215.00	
1000BaseSX VCAT Ethernet Port	NRM65/NRBY5	215.00	
1000BaseLX VCAT Ethernet Port	NRM65/NRBY5	215.00	(N)
(5) <u>Optical to Electrical Add/Drop Capability[#]</u>			(T)
- per OC-3 to DS1 Add/Drop	NRBS6/NRBS6	490.00	
- Re-Map, per OC-3 to DS1 Add/Drop	NRBS6/NRBS6	490.00	
- per subsequent installation, per DS1 off OC-12, OC-48	NRBS8/NRBS6	490.00	
(6) <u>OC-48 Add/Drop Capability[@]</u>			(T)
- per subsequent installation, per arrangement	NRBS8/NRBS8	490.00	
- Re-Map, per OC-3 to DS1 Add/Drop	NRBS8/NRBS8	490.00	
(7) <u>Regenerator</u>			
- OC-3, OC-12, OC-48 for Subsequent Installation	NRBS5/NRBS5	270.00	
(8) <u>Shared Network Arrangement</u>			
Processing Charge, per Service Order	NRMCL/NRBOP	30.00	

* Applicable to 36 Month, 60 Month and Monthly Extension Term Plans. (N)

The Optical to Electrical Add/Drop Capability is in addition to the Add/Drop (T) Capability charge set forth in (g) following.

@ Add/Drop charge applies only with the initial installation of node equipped (T) with drop capacity. This charge is applies to all nodes, excluding regenerators.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

	<u>USOC CABS/CRIS</u>	<u>Nonrecurring Charges</u>	
(H) <u>Non-Recurring Charges</u> (Cont'd)			
(4) <u>Ports*</u> (Cont'd)			
- per subsequent installation			
10/100BaseT VCAT Ethernet Port	NRM63/NRBY4	\$215.00	
1000BaseSX VCAT Ethernet Port	NRM65/NRBY5	215.00	
1000BaseLX VCAT Ethernet Port	NRM65/NRBY5	215.00	
(5) <u>Optical to Electrical Add/Drop Capability[#]</u>			
- per OC-3 to DS1 Add/Drop	NRBS6/NRBS6	490.00	
			(D)
- per subsequent installation, per DS1 off OC-12, OC-48	NRBS8/NRBS6	490.00	
(6) <u>OC-48 Add/Drop Capability[@]</u>			
- per subsequent installation, per arrangement	NRBS8/NRBS8	490.00	
			(D)
			(D)
(7) <u>Regenerator</u>			
- OC-3, OC-12, OC-48 for Subsequent Installation	NRBS5/NRBS5	270.00	
(8) <u>Shared Network Arrangement</u>			
Processing Charge, per Service Order	NRMCL/NRBOP	30.00	

* Applicable to 36 Month, 60 Month and Monthly Extension Term Plans.
 # The Optical to Electrical Add/Drop Capability is in addition to the Add/Drop Capability charge set forth in (g) following.
 @ Add/Drop charge applies only with the initial installation of node equipped with drop capacity. This charge is applies to all nodes, excluding regenerators.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

	USOC CABS/CRIS	Nonrecurring Charges		
(H) <u>Non-Recurring Charges</u> (Cont'd)				
(9) <u>Re-MAP Service</u>				
Initial Service Script Establishment				
Per OC-3 Dedicated Ring	NRMR1/NRMR1	\$2,000.00	(N)	
Per OC-12 Dedicated Ring	NRMR1/NRMR1	3,500.00		
Per OC-48 Dedicated Ring	NRMR1/NRMR1	4,500.00		
Subsequent Script Activity charge				
Per OC-3 Dedicated Ring	NRMR3/NRMR3	1,200.00		
Per OC-12 Dedicated Ring	NRMR3/NRMR3	2,100.00		
Per OC-48 Dedicated Ring	NRMR3/NRMR3	2,700.00		
Scheduled Test charge (per request)				
Per OC-3 Dedicated Ring	NRMR5/NRMR5	1,600.00	(N)	
Per OC-12 Dedicated Ring	NRMR5/NRMR5	2,800.00		
Per OC-48 Dedicated Ring	NRMR5/NRMR5	3,600.00		
Emergency Re-Map Activation (per request)				
Per OC-3 Dedicated Ring	NRMR7/NRMR7	1,800.00		
Per OC-12 Dedicated Ring	NRMR7/NRMR7	3,150.00		
Per OC-48 Dedicated Ring	NRMR7/NRMR7	4,050.00		

Continued

ACCESS SERVICE

7. Special Access Service Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 OC-192 Dedicated SONET Ring Service (Cont'd)

(B) Ports (Cont'd)

(1) Per Node Type (Cont'd)

<u>3 year Plan</u> (Cont'd)	USOC <u>CRIS/CABS</u>	Monthly <u>Rate</u>	(T) (T)
- <u>10/100BaseT VCAT Ethernet</u> *,#,®	S5P1X/S5P1X	\$250.00	(N)
VT1.5-1v (1.6 Mbps)			
VT1.5-2v (3.2 Mbps)			
VT1.5-3v (4.8 Mbps)			
VT1.5-4v (6.4 Mbps)			
VT1.5-5v (8.0 Mbps)			
VT1.5-6v (9.6 Mbps)			
VT1.5-7v (11.2 Mbps)			
VT1.5-8v (12.4 Mbps)			
VT1.5-10v (16.0 Mbps)			
VT1.5-13v (20.8 Mbps)			
STS-1-1v (48.384 Mbps)			
STS-1-2v (96.768 Mbps)			
- <u>1000BaseSX VCAT Ethernet</u> *,®	S5P2X/S5P2X	425.00	
- <u>1000BaseLX VCAT Ethernet</u> *,®	S5P3X/S5P3X	425.00	
STS-1-1v (48.384 Mbps)			
STS-1-2v (96.768 Mbps)			
STS-1-3v (145.152 Mbps)			
STS-1-4v (193.536 Mbps)			
STS-1-5v (241.92 Mbps)			
STS-1-6v (290.304 Mbps)			
STS-1-9v (435.456 Mbps)			
STS-1-12v (580.608 Mbps)			
STS-1-21v (1016.064 Mbps)			
STS-3c-1v (149.76 Mbps)			
STS-3c-2v (299.52 Mbps)			
STS-3c-3v (449.28 Mbps)			
STS-3c-4v (599.04 Mbps)			
STS-3c-7v (1048.32 Mbps)			

* Actual Payload capacity for selected bandwidth.
 # EoS port interfaces offered as 10/100BaseT are only available at the customer premises location.
 ® Nonrecurring charges as set forth in 7.5.12, (H) (3) are applicable.

Material omitted now located on Sheet 338-Q-1-A.

Continued

ACCESS SERVICE

7. Special Access Service Cont'd

7.5 Rates and Charges (Cont'd)

7.5.12 OC-192 Dedicated SONET Ring Service (Cont'd)

(B) Ports (Cont'd)

(1) Per Node Type (Cont'd)

	USOC CRIS/CABS	Monthly Rate	(T) (T)
<u>5 year Plan</u> (Cont'd)			
- <u>10/100BaseT VCAT Ethernet</u> *,#,@	S5P1X/S5P1X	\$180.00	(N)
VT1.5-1v (1.6 Mbps)			
VT1.5-2v (3.2 Mbps)			
VT1.5-3v (4.8 Mbps)			
VT1.5-4v (6.4 Mbps)			
VT1.5-5v (8.0 Mbps)			
VT1.5-6v (9.6 Mbps)			
VT1.5-7v (11.2 Mbps)			
VT1.5-8v (12.4 Mbps)			
VT1.5-10v (16.0 Mbps)			
VT1.5-13v (20.80 Mbps)			
STS-1-1v (48.384 Mbps)			
STS-1-2v (96.768 Mbps)			
- <u>1000BaseSX VCAT Ethernet</u> *,@	S5P2X/S5P2X	350.00	
- <u>1000BaseLX VCAT Ethernet</u> *,@	S5P3X/S5P3X	350.00	
STS-1-1v (48.384 Mbps)			
STS-1-2v (96.768 Mbps)			
STS-1-3v (145.152 Mbps)			
STS-1-4v (193.536 Mbps)			
STS-1-5v (241.92 Mbps)			
STS-1-6v (290.304 Mbps)			
STS-1-9v (435.456 Mbps)			
STS-1-12v (580.608 Mbps)			
STS-1-21v (1016.064 Mbps)			
STS-3c-1v (149.76 Mbps)			
STS-3c-2v (299.52 Mbps)			
STS-3c-3v (449.28 Mbps)			
STS-3c-4v (599.04 Mbps)			
STS-3c-7v (1048.32 Mbps)			

* Actual Payload capacity for selected bandwidth.

EoS port interfaces offered as 10/100BaseT are only available at the customer premises location.

@ Nonrecurring charges as set forth in 7.5.12, (H) (3) are applicable.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports (Cont'd)

	USOC CABS/CRIS	Monthly Rate
(1) <u>Per port, at OC-3 Node</u> (Cont'd) (excluding Re-Map)		
- <u>10/100BaseT VCAT Ethernet</u> ^{*, #, @}		
36 Month	S5P1X/S5P1X	\$ 250.00
60 Month	S5P1X/S5P1X	180.00
Monthly Extension	S5P1X/S5P1X	350.00
VT1.5-1v (1.6 Mbps)		
VT1.5-2v (3.2 Mbps)		
VT1.5-3v (4.8 Mbps)		
VT1.5-4v (6.4 Mbps)		
VT1.5-5v (8.0 Mbps)		
VT1.5-6v (9.6 Mbps)		
VT1.5-7v (11.2 Mbps)		
VT1.5-8v (12.4 Mbps)		
VT1.5-10v (16.0 Mbps)		
VT1.5-13v (20.8 Mbps)		
STS-1-1v (48.384 Mbps)		
STS-1-2v (96.768 Mbps)		
- <u>1000BaseSX VCAT Ethernet</u> ^{*, @}		
36 Month	S5P2X/S5P2X	\$ 425.00
60 Month	S5P2X/S5P2X	350.00
Monthly Extension	S5P2X/S5P2X	500.00
- <u>1000BaseLX VCAT Ethernet</u> ^{*, @}		
36 Month	S5P3X/S5P3X	\$ 425.00
60 Month	S5P3X/S5P3X	350.00
Monthly Extension	S5P3X/S5P3X	500.00
STS-1-1v (48.384 Mbps)		
STS-1-2v (96.768 Mbps)		
STS-1-3v (145.152 Mbps)		
STS-1-4v (193.536 mbps)		
STS-1-5v (241.92 Mbps)		
STS-1-6v (290.304 Mbps)		
STS-1-9v (435.456 Mbps)		
STS-1-12v (580.608 Mbps)		
STS-1-21v (1016.064 Mbps)		
STS-3c-1v (149.76 Mbps)		
STS-3c-2v (299.52 Mbps)		
STS-3c-3v (449.28 mbps)		
STS-3c-4v (599.04 Mbps)		
STS-3c-7v (1048.32 Mbps)		

(N)

* Actual Payload capacity for selected bandwidth.

EoS port interfaces offered as 10/100BaseT are only available at the customer premises location.

@ Nonrecurring charges as set forth in 7.5.15(H) (4) are applicable.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports (Cont'd)

	USOC CABS/CRIS	Monthly Rate
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(2) Per port, at OC-12 Node (Cont'd)
 (excluding Re-Map)

- <u>10/100BaseT VCAT Ethernet</u> ^{*,#,®}			(N)
36 Month	S5P1X/S5P1X	\$ 250.00	
60 Month	S5P1X/S5P1X	180.00	
Monthly Extension	S5P1X/S5P1X	350.00	
VT1.5-1v (1.6 Mbps)			
VT1.5-2v (3.2 Mbps)			
VT1.5-3v (4.8 Mbps)			
VT1.5-4v (6.4 Mbps)			
VT1.5-5v (8.0 Mbps)			
VT1.5-6v (9.6 Mbps)			
VT1.5-7v (11.2 Mbps)			
VT1.5-8v (12.4 Mbps)			
VT1.5-10v (16.0 Mbps)			
VT1.5-13v (20.8 Mbps)			
STS-1-1v (48.384 Mbps)			
STS-1-2v (96.768 Mbps)			
- <u>1000BaseSX VCAT Ethernet</u> ^{*,®}			
36 Month	S5P2X/S5P2X	\$ 425.00	
60 Month	S5P2X/S5P2X	350.00	
Monthly Extension	S5P2X/S5P2X	500.00	
- <u>1000BaseLX VCAT Ethernet</u> ^{*,®}			
36 Month	S5P3X/S5P3X	\$ 425.00	
60 Month	S5P3X/S5P3X	350.00	
Monthly Extension	S5P3X/S5P3X	500.00	
STS-1-1v (48.384 Mbps)			
STS-1-2v (96.768 Mbps)			
STS-1-3v (145.152 Mbps)			
STS-1-4v (193.536 mbps)			
STS-1-5v (241.92 Mbps)			
STS-1-6v (290.304 Mbps)			
STS-1-9v (435.456 Mbps)			
STS-1-12v (580.608 Mbps)			
STS-1-21v (1016.064 Mbps)			
STS-3c-1v (149.76 Mbps)			
STS-3c-2v (299.52 Mbps)			
STS-3c-3v (449.28 mbps)			
STS-3c-4v (599.04 Mbps)			
STS-3c-7v (1048.32 Mbps)			

* Actual Payload capacity for selected bandwidth.

EoS port interfaces offered as 10/100BaseT are only available at the customer premises location.

® Nonrecurring charges as set forth in 7.5.15, (H) (4) are applicable.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.15 OC-3, OC-12, OC-48 Dedicated SONET Ring Service (Cont'd)

(C) Ports (Cont'd)

	USOC CABS/CRIS	Monthly Rate
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(3) Per port, at OC-48 Node (Cont'd)
 (excluding Re-Map)

- <u>10/100BaseT VCAT Ethernet</u> ^{*, #, @}			(N)
36 Month	S5P1X/S5P1X	\$250.00	
60 Month	S5P1X/S5P1X	180.00	
Monthly Extension	S5P1X/S5P1X	350.00	
VT1.5-1v (1.6 Mbps)			
VT1.5-2v (3.2 Mbps)			
VT1.5-3v (4.8 Mbps)			
VT1.5-4v (6.4 Mbps)			
VT1.5-5v (8.0 Mbps)			
VT1.5-6v (9.6 Mbps)			
VT1.5-7v (11.2 Mbps)			
VT1.5-8v (12.4 Mbps)			
VT1.5-10v (16.0 Mbps)			
VT1.5-13v (20.8 Mbps)			
STS-1-1v (48.384 Mbps)			
STS-1-2v (96.768 Mbps)			
- <u>1000BaseSX VCAT Ethernet</u> ^{*, @}			
36 Month	S5P2X/S5P2X	\$425.00	
60 Month	S5P2X/S5P2X	350.00	
Monthly Extension	S5P2X/S5P2X	500.00	
- <u>1000BaseLX VCAT Ethernet</u> ^{*, @}			
36 Month	S5P3X/S5P3X	\$425.00	
60 Month	S5P3X/S5P3X	350.00	
Monthly Extension	S5P3X/S5P3X	500.00	
STS 1-1v (48.384 Mbps)			
STS 1-2v (96.768 Mbps)			
STS 1-3v (145.152 Mbps)			
STS-1-4v (193.536 mbps)			
STS-1-5v (241.92 Mbps)			
STS-1-6v (290.304 Mbps)			
STS-1-9v (435.456 Mbps)			
STS-1-12v (580.608 Mbps)			
STS-1-21v (1016.064 Mbps)			
STS-3c-1v (149.76 Mbps)			
STS-3c-2v (299.52 Mbps)			
STS-3c-3v (449.28 mbps)			
STS-3c-4v (599.04 Mbps)			
STS-3c-7v (1048.32 Mbps)			

* Actual Payload capacity for selected bandwidth.

EoS port interfaces offered as 10/100BaseT are only available at the customer premises location.

@ Nonrecurring charges as set forth in 7.5.15(H) (4) are applicable.

(N)

Continued