

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 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. (T)

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

Continued

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 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.

(C)
(N)
(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.

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 1Gbps. (N)

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. e.g. OC-3 or OC3c, OC-12 or OC-12c, OC-48 or OC-48c, and 1Gbps. (N)

Multi-service Optical Network Point to Point Service service (MON) - a channel for the transmission of multiple data signals using different wavelengths of light as set forth in C.P.U.C Schedule D12.

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.

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.

Continued

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. (N)
(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)
(T)
(T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

For example, a customer may order a 3.152 Mbps facility from a customer designated premises to a Utility Hub for multiplexing to two 1.544 Mbps channels. The 1.54 Mbps channels may be further multiplexed at the same or a different Hub to Voice Grade channels or may be extended to other customer designated premises. Optional features may be added to either the 1.544 Mbps or the Voice Grade Channels.

(L)

7.1.2 Reserved

(L)

(L) Formerly on Sheet 240.

Continued

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: (T)

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

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

(A) Channel Termination/Local Distribution Channel (T)

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 colocated in a Utility building. Channel Termination and Local Distribution Channel may be used interchangeably. (T) (N)

z Correction - Material inadvertently omitted from Advice Letter No. 21472, effective May 14, 2001.
Material omitted now on Sheet 239-B.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Rate Categories (Cont'd)

(A) Channel Termination (Cont'd)

For DS1 High Capacity Synchronous Timing Service connecting a customer designated premises or EIS collocation arrangement to a wire center Building Integrated Timing Supply (BITS) timing clock will be charged only one Channel Termination or EISCC. There is no charge of the Channel Termination at the BITS timing clock.

(B) Channel Mileage/Interoffice Transport

(T)

The Channel Mileage rate category provides for the transmission facilities between the serving wire centers associated with two customer designated premises, between the serving wire centers associated with a customer designated premises and a Utility Hub or between two Utility Hubs. Channel mileage is portrayed in mileage bands. There are two rates that apply for each band, i.e., a flat rate per band and a rate per mile. The flat rate Channel Mileage charge is charged on a per segment basis. Refer to 7.4.6 following for rate regulations relating to mileage measurement. Channel Mileage and Interoffice Transport may be used interchangeably.

(T)

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Con't)

7.1.3 Rate Categories (Cont'd)

(B) Channel Mileage (Cont'd)

(D)

(D)

(C) SONET Ring and Access Services

SONET Ring and Access Rate Category provides for communications paths for dedicated ring and point to point configurations connecting customer premises. Channel Terminations from High Capacity or Fiber Advantage may be aggregated (a.k.a. multiplexed) onto SONET Ring and Access Services.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Rate Categories (Cont'd)

(E) Optional Features and Functions

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

Examples of Optional Features and Functions that are available include, but are not limited to, the following:

- Signaling Capability
- Hubbing Functions
- Conditioning
- Transfer Arrangements

A Hub is a Utility designated serving wire center at which bridging or multiplexing functions are performed. The bridging functions performed are to connect three or more customer designated premises in a multipoint arrangement, or connect two Video Services customer premises via a Service Through-Connect. The multiplexing functions are to channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth.

(C)
(C)

Descriptions for each of the available Optional Features and Functions are set forth in 7.2 following.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.4 Service Configurations

There are three types of service configurations over which Special Access Services are provided: two-point service, multipoint service and SONET Ring and Access Service.

(A) Two-Point Service

A two-point service connects two customer designated premises or connects a customer designated premises to an EIS point of termination, either on a directly connected basis or through a Hub where multiplexing functions are performed.

A two-point Video Service connects two customer-designated premises or connects a customer designated premises to an EIS Point of Termination, through a Utility-designated Hub only by using a Video Service Service Through-Connect.

Applicable rate elements are:

- Channel Terminations*
- Channel Mileage (as applicable)
- Optional Features and Functions (when applicable)

* SONET Ring and Access Service equivalents to a Channel Termination are (1) Local Loop Access Links, (2) Premise Access Ports or (3) Customer Provided Nodes as defined in Section 7.2.9 following.

z Correction

z

Continued

ACCESS SERVICE

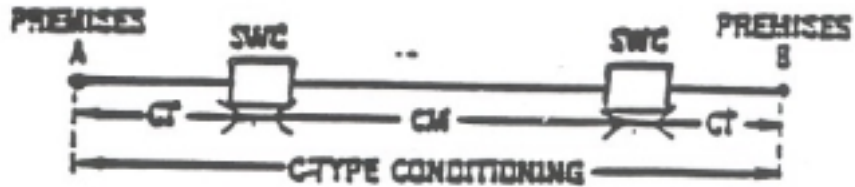
7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.4 Service Configurations (Cont'd)

(A) Two-Point Service (Cont'd)

(1) The following diagram depicts a two-point Voice Grade service connecting two customer designated premises located 15 miles apart. The service is provided with C-Type Conditioning.



Applicable rate elements are:

- Channel Terminations (2 applicable) (T)
- Channel Mileage (mileage band Over 0 miles) (T)
- C-Type Conditioning Optional Feature

(D)

(D)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.4 Service Configurations (Cont'd)

(B) Multipoint Service

Multipoint service connects three or more customer designated premises through a Utility Hub. There is no limitation on the number of mid-links available with Multipoint service. However, when more than three mid-links are provided in tandem, the quality of the service may be degraded. A mid-link is a channel between Hubs (i.e., bridging locations). Only certain types of Special Access Service are provided as multipoint service. These are so designated in the Service Descriptions set forth in 7.2. following.

Multipoint service utilizing a customized technical specifications package as set forth in 7.2 following will be provided when technically possible. If the Utility determines that the requested characteristics for a multipoint service are not compatible, the customer will be advised and given the opportunity to change the order.

When ordering, the customer may specify the desired bridging Hubs selected from The National Exchange Carrier Association (NECA) Tariff F.C.C. No. 4, Section 69. For Information on how to obtain copies of the NECA Tariff see Section 14 following. If the customer does not specify the bridging hub location(s), the Utility will designate the appropriate bridging hub location(s) based on the facilities required to provide the service. The channel mileage per-mile rate element will be applied on the shortest combination of airline miles which will connect the serving wire centers of the customer designated premises.

This tariff identifies the type(s) of bridging functions which are available and the serving wire centers at which they are available.

Applicable Rate Elements are:

- Channel Terminations (one per customer designated premises)
- Channel Mileage (as applicable between each serving wire center and the Hub and between Hubs)
- Bridging
- Additional Optional Features (when applicable)

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7. Special Access Service (Cont'd)

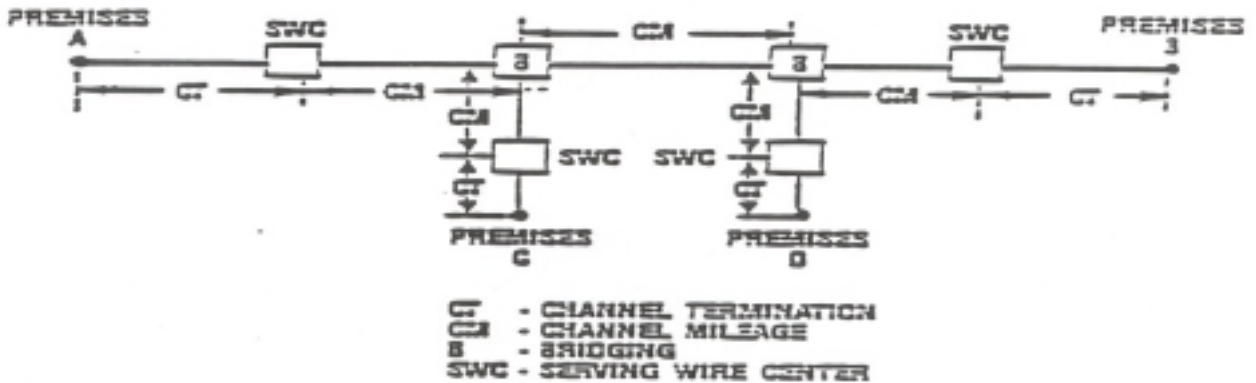
7.1 General (Cont'd)

7.1.4 Service Configurations (Cont'd)

(B) Multipoint Service (Cont'd)

Customer specified bridging hub example: (N)

Voice Grade multipoint service connecting four customer premises via two customer specified bridging hubs. (T)



Applicable rate elements are:

- Channel Terminations (4 applicable)
- Channel Mileage (5 sections, each from appropriate mileage band)
- Bridging (6 applicable, i.e., each bridge port)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.4 Service Configurations (Cont'd)

(B) Multipoint Service (Cont'd)

Utility specified bridging hub example:

Voice Grade multipoint service connecting four customer premises via two customer specified bridging hubs.

(N)

(N)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

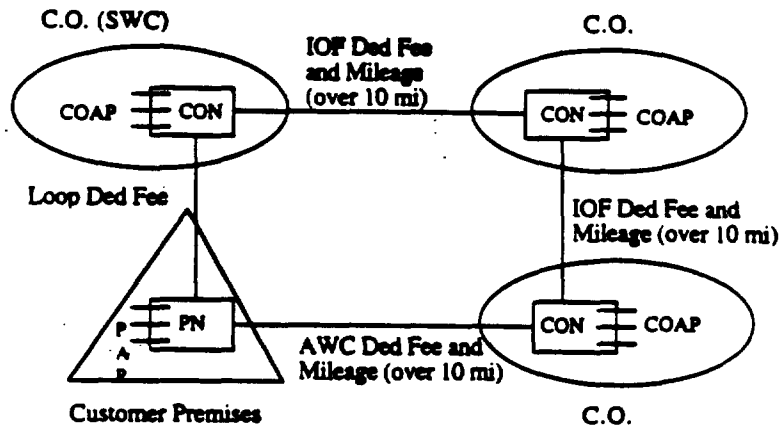
7.1.4 Service Configuration (Cont'd)

(C) SONET Ring and Access Services: Dedicated Ring Service.

(N)

The ring interconnects Utility central offices or customer premises or combinations of both. The rings may interconnect to other Special Access Services. The customer subscribes to the full bandwidth capacity of the ring and designates the location and number of nodes. A node aggregates lower bandwidth capacities onto the ring facility.

Rings are defined through use of interoffice or loop facilities in connecting CO Nodes and Premises Nodes. Dedicated rings may be configured using interoffice facilities connecting CO Nodes or using loop facilities connecting one or more Premises Node to a CO Node in a serving wire center. Dedicated rings may also be configured using both loop and interoffice facilities connecting one or more Premises Nodes to multiple CO Nodes.



Legend:
 PAP
 PN
 Loop Ded Fee
 CON
 COAP
 IOF Ded Fee
 Mileage
 AWC Ded Fee

Rate Elements:
 Premises Access Port
 Premises Node
 Dedicated Ring Fee - Local Loop
 Central Office Node
 Central Office Access Port
 Dedicated Ring Fee - Interoffice
 Mileage - Dedicated Ring (over 10 miles)
 Dedicated Ring Fee - Alternate Wire Center

(N)

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ACCESS SERVICE

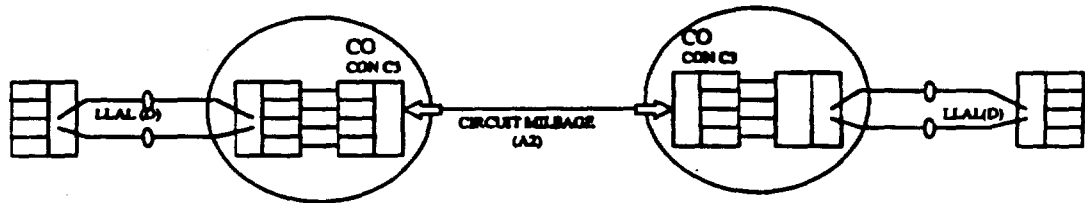
7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.4 Service Configuration (Cont'd)

(C) SONET Ring and Access Service -- Circuit Service

In the circuit service the customer selects bandwidth capacity for an end to end circuit (two point). Local Loop Access Links designate bandwidth for connecting the customer's premises to the central office. In the central office the circuit service connects to an interoffice facility consisting of two CO Nodes and interoffice facility. In the diagram below the applicable rate elements are indicated with an asterik (*).



List of All Rate Elements

- | | |
|---|---|
| A1: Mileage for Dedicated IOF Ring | C3: CO Node - Circuit Service* |
| A2: Mileage for Circuit Service* | D: Local Loop Access Link with Equipment* |
| B1: Dedicated Ring Fees - Per CO Node on IOF Ring | E: Premises Access Ports |
| B2: Dedicated Ring Fee - Per Local Loop Access Ring | F: Central Office Access Ports |
| C1: CO Node - Dedicated Ring Service | G: Primary Node Link |
| C2: Premises Node - Dedicated Ring Service | H: CO Multiplexing (optional service not depicted in diagram) |

(N)

(N)

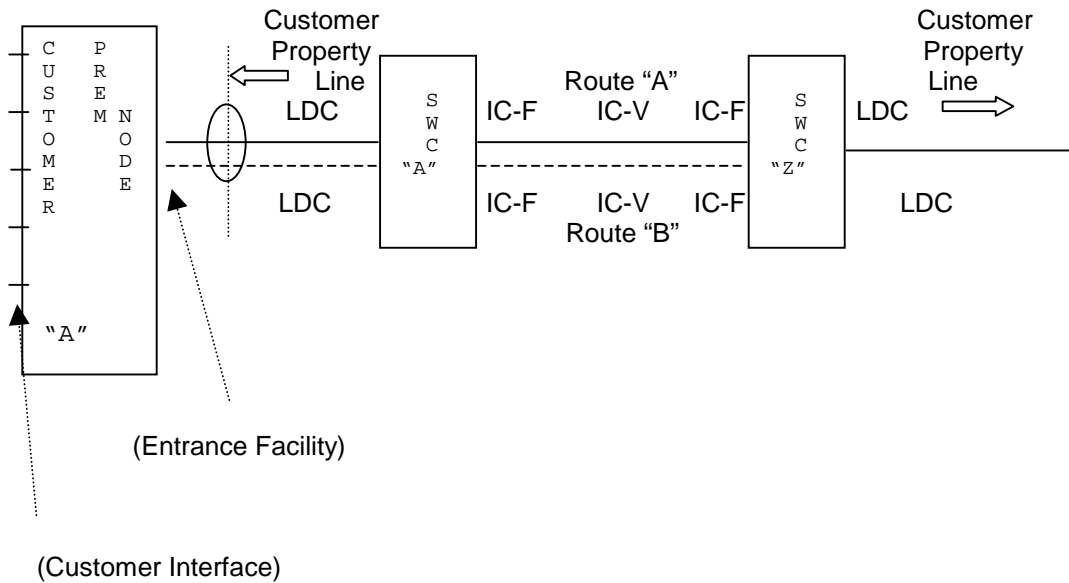
ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.4 Service Configurations (Cont'd)

(D) Multi-service Optical Network Point-to-Point Service
 (MON) - Standard Arrangement*



* For additional MON Point to-Point service configurations using Diversity Options, refer to Schedule Cal.P.U.C. No. D12, Special Access Service, MON Point-to-Point service.

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ACCESS SERVICE

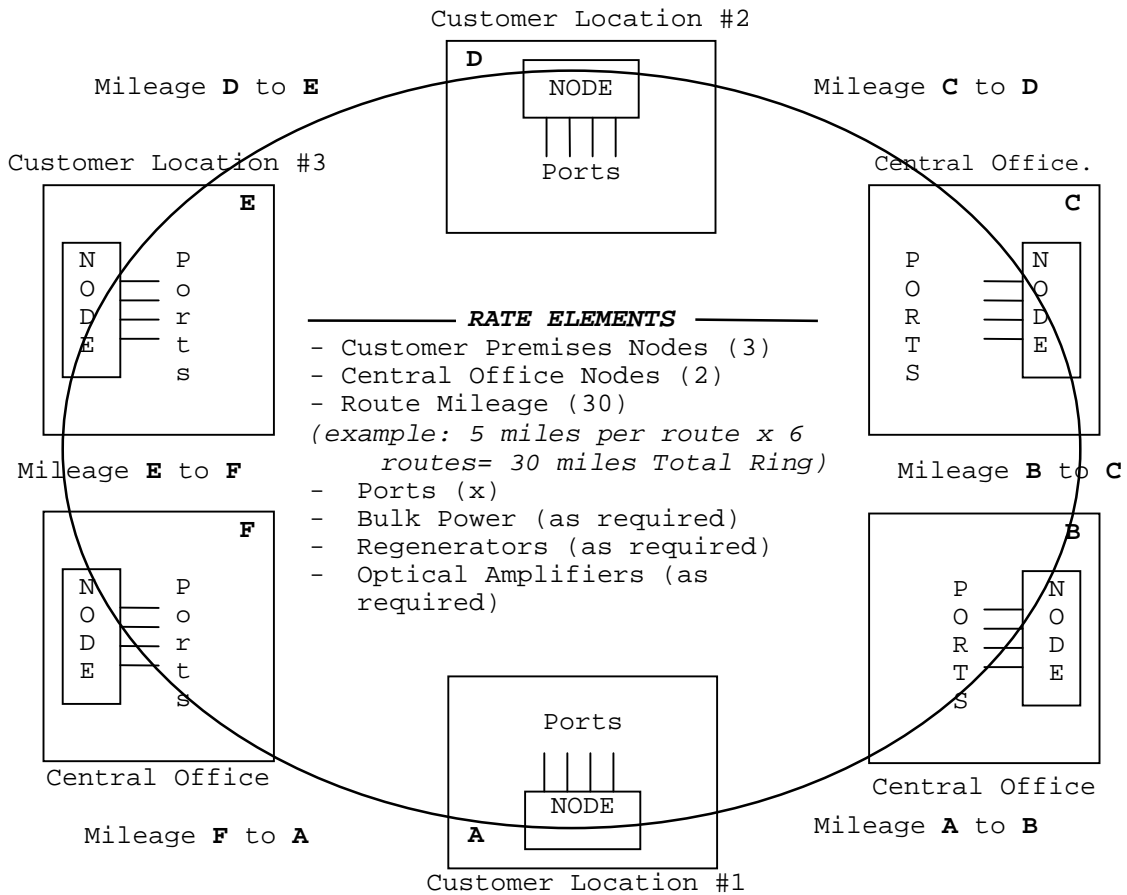
7. Special Access Service (Cont'd)

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)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.5 Alternate Use

Alternate Use occurs when a service is arranged by the Utility (T) so that the customer can select different types of transmission at different times. A customer may use a service in any privately beneficial manner. However, where technical or engineering changes are required to effectuate an alternate use, the Utility will make such special arrangements available on an individual case basis.

The arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual case basis and filed in Section 12., Specialized Service or Arrangements. The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered (i.e., Channel Terminations, Channel Mileage [as applicable] and Optional Features [if any]).

(T)

7.1.6 Special Facilities Routing

A customer may request that the facilities used to provide Special Access Service be specially routed. The regulations, rates and charges for Special Facilities Routing (i.e., Avoidance, Diversity and Cable-Only) are set forth in Section 11. following.

(L)

(L)

7.1.7 Design Layout Report

At the request of the customer, the Utility will provide to the customer the make-up of the facilities and services provided under this tariff as Special Access Service to aid the customer in designing its overall service. This information will be provided in the form of a Design Layout Report. The Design Layout Report will be provided to the customer at no charge, and will be reissued or updated whenever these facilities are materially changed.

(L)

(L)

Material on this sheet formerly on Sheet 244.
Material omitted now in different form on Sheet 249.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

(D)

(D)

Material omitted now on in different form on Sheets 249.

Continued

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)
|
(N)

Continued

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)* (T)
- High Capacity Service (HCS)

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

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.10 Voice Grade Services Conversion Offering

(N)

(A) Description

The Utility will waive all Advanced Digital Network (ADN) nonrecurring charges associated with fixed speed channel terminations for customers with any existing Voice Grade Service who order the conversion to ADN service, and commit to retain it for a minimum of two years (24 months) from the installation date.

(B) Regulations

- (1) This offering is for customers with any existing Voice Grade Service who order the conversion to fixed speed ADN where facilities permit. The Utility will waive the ADN channel termination nonrecurring charges for an equal number of Voice Grade terminations being converted on the existing circuit. If the customer orders ADN terminations that exceed the number of converted Voice Grade terminations, then the appropriate nonrecurring charges will apply.
- (2) The customer is required to retain the ADN service for a minimum period of two years (24 months) from the installation date of said service.
- (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 ADN 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.

(N)

Continued

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)

(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.

z Correction

Continued

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) (Cont'd)

(B) Regulations (Cont'd)

- (5) A change from a channel termination as described in this Schedule to a channel termination as described in the Utility's Tariff F.C.C. No. 1 will be considered a service disconnection, and will be subject to the termination liability as described above. (T)

Continued

Advice Letter No. 21243

Issued by

Date Filed: June 20, 2000

Decision No.

Daniel O. Jacobsen

Effective: JUL 30 2000

General Manager

Resolution No.

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)*	
- WATS Access Line (WAL)	Advanced Digital Network (ADN)	
- Universal WATS Access Line (UWAL)	High Capacity (HC)	
- Private Virtual Network Access Line (PVNAL)	SONET Ring and Access Service	
Optical Carrier Network (OCN) Point to Point Service	GigaMAN SM Service	(T)
FibreMAN Service SM	OC-192 Dedicated SONET Ring Service	
	Multi-service Optical Network Point to Point Service	(N)
	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.

* 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. (T)

** 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.

Continued

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

Advice Letter No. 18211

Issued by

Date Filed: May 1, 1996

Decision No.

A.E. Swan

Effective: JUN 10 1996

Executive Director

Resolution No.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

Information pertaining to the technical specifications packages indicates the transmission parameters up to and including the Utility's local loop demarcation point that are available with each package. This information is displayed in a matrix with the transmission parameters listed down the left side and the packages listed across the top. Each package is identified by a code, e.g., VGC. The first two letters of the code indicate the category of Special Access Service to which the parameters are applicable. These two letter codes are shown above in parentheses following the category of Special Access Service. The letter "C" following the two letter code indicates the technical specifications package for a customized service. A numeric or alpha-numeric designation following the two letter code indicates the specific predefined package. For a customized service, the customer may select any parameters available with that category of service as long as the parameters are compatible. When appropriate, the Technical Reference which contains detailed specifications for the parameters is shown following the matrix. (T) (T)

Network channel interfaces at each point of termination on a two-point service may be symmetrical or asymmetrical. On a multipoint service they may also be symmetrical or asymmetrical. However, communications can only be provided between points of termination with compatible channel interfaces. Only certain network channel interfaces are compatible.

Only certain network channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth at the end of 7.2. When a customized channel is requested, all network channel interface combinations available with the specified type of service are available with the customized channel.

The optional features and functions available with each type of Special Access Service are described in this section. The optional features and functions information also indicates with which technical specifications packages they are available. Such information is displayed in a matrix with the optional feature or function listed down the left side and the technical specifications package listed across the top.

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	TR-TSV-000338, L-720026-PB/NB	
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	(N)

* 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.

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)

<p>OC-192 Dedicated SONET Ring Service</p>	<p>PUB PUB</p>	<p>AM TR-NIS-000111 AM TR-TMO-000101</p>	<p>(N)</p>
<p>Optical Carrier Network (OCN) Point to Point Service</p>	<p>PUB</p>	<p>AM-TR-NIS-000111 AM-TR-TMO-000101</p>	
<p>Multi-service Optical Network, Point to Point service</p>	<p>PUB</p>	<p>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)</p>	<p>(N)</p>
<p>Multi-service Optical Ring Network Service (MON Ring)</p>	<p>PUB</p>	<p>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</p>	<p>(N)</p>

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)

FibreMANSM Service

PUB

SBC TP-76412-00
ANSI X3.230

(N)
|
(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.1 Metallic Service*

(A) Basic Channel Description

A Metallic channel is an unconditioned two-wire channel capable of transmitting low speed varying signals at rates up to 30 baud. This channel is provided by metallic or equivalent facilities. Metallic channels are provided between customer designated premises, between a customer designated premises and a Utility Hub where bridging functions are performed, between a customer premises and an EIS Point of Termination, or between an EIS Point of Termination and a Utility Hub when bridging functions are performed. Inter office metallic facilities will be limited in length to a total of five miles per circuit. (C)

(B) Technical Specifications Packages

<u>Parameter</u>	<u>Package MT-</u>		
	<u>C</u>	<u>1</u>	<u>2</u> <u>3</u>
DC Resistance Between Conductors	X	X	X
Loop Resistance	X		X
Shunt	X		X

The technical specifications are delineated in Technical References PUB TR-NPL-000336.

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

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.1 Metallic Service* (Cont'd)

(C) Network Channel Interfaces

Compatible network channel interfaces are set forth in the Technical References listed in 7.2.1(B) preceding.

(D) Optional Features and Functions

(1) Central Office Bridging Capability

- (a) Three Premises Bridging - Provision of tip-to-tip and ring-to-ring connection in a central office of a metallic pair to a third customer designated premises.
- (b) Series Bridging of up to 26 customer designated premises.

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

	Available with Technical Specifications Package MT-			
	<u>C</u>	<u>1</u>	<u>2</u>	<u>3</u>
Three Premises Bridging	X	X		X
Series Bridging	X		X	

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

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.2 Telegraph Grade Service*

(C)

(A) Basic Channel Description

A Telegraph Grade channel is an unconditioned channel capable of transmitting binary signals at rates of 0-75 baud or 0-150 baud. This channel is furnished for half-duplex or duplex operation. Telegraph 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.

(B) Technical Specifications Packages

<u>Parameter</u>	<u>Package TG-</u>		
	C	1	2
Telegraph Distortion	X	X	X

The technical specifications are delineated in Technical Reference PUB TR-NPL-000336.

(C) Network Channel Interfaces

Compatible network channel interfaces are set forth in the Technical References listed in 7.2.2(B) preceding.

(D) Optional Features and Functions

(1) Telegraph Bridging (two-wire and four-wire)

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

	<u>Available with Technical Specifications Package TG-</u>		
	C	1	2
Telegraph Bridging	X	X	X

* Frozen/Grandfathered Service - Provided only to existing customers and services working as of the effective date of Advice Letter No. 18405. See General Regulations 2.1.4(E) preceding.

(C)
 |
 (C)
 (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)

(B) Technical Specifications Packages (Cont'd)

The following matrix lists the parameters available on
 intraLATA Voice Grade Private Line Service as delineated
 in Technical Reference PUB TR-NWT-000965 and
 PUB L-780029-PB.

<u>Parameter</u>	<u>Package VG-</u>				(N)
	<u>C</u>	<u>32</u>	<u>33</u>	<u>36</u>	
Attenuation Distortion	X	X	X	X	
C-Message Noise	X	X	X	X	
Echo Control	X	X	X	X	
Envelope Delay Distortion	X			X	
Frequency Shift	X			X	
Impulse Noise	X			X	
Intermodulation Distortion	X			X	
Loss Deviation	X	X	X	X	
Phase Hits, Gain Hits, and Dropouts	X				
Phase Jitter	X				
Signal-to-C Message Noise	X			X	
Signal-to-C Notch Noise	X			X	

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

(B) Technical Specifications Packages (Cont'd)

The technical specifications for these parameters (except for dropouts, gain hits, and phase hits) are delineated in Technical Reference PUB TR-NWT-000335, TR-NWT-000965 and PUB L-780029-PB. The technical specifications for dropouts, phase hits, and gain hits are delineated in Technical Reference PUB 41004.

(T)
(T)
(T)
(D)

(C) Network Channel Interfaces

The following network channel interfaces for Voice Grade service do not require signaling capability: AH, DA, DB, DD, DE, DS, NO, PR, and TF.

The following network channel interfaces for Voice Grade Service require signaling capability: AB, AC, CT, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, RV, and SF.

Compatible network channel interfaces are set forth in the echnical References listed in 7.2.3(B) preceding.

(D) Optional Features and Functions

(1) Central Office Bridging Capability

- (a) Voice Bridging (two-wire and four-wire)
- (b) Data Bridging (two-wire and four-wire)
- (c) Telephoto Bridging (two-wire and four-wire)
- (d) Reserved

(T)z
(D)z

z Correction - Inadvertently omitted from Advice Letter No. 16797, effective November 8, 1993.

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)

(1) Central Office Bridging Capability (Cont'd)

(e) Telemetry and Alarm Bridging

Split Band, Active Bridging
Passive Bridging
Summation, Active Bridging

(2) Central Office Multiplexing

Voice to Telegraph Grade: An arrangement that converts a Voice Grade channel to Telegraph Grade channels using frequency division multiplexing.

(3) Conditioning

Conditioning provides more specific transmission characteristics for Voice Grade services. C-Type conditioning controls attenuation distortion and envelope delay distortion. Sealing Current helps maintain continuity on dry metallic loops.

In addition, a customer may desire that either the attenuation distortion or the envelope delay distortion, or both, be improved to more stringent specifications than those provided for C-Type conditioning. In such cases the customer has the option of ordering either Improved Attenuation Distortion or Improved Envelope Delay Distortion, or both, as desired.

For two-point services, the parameters apply to each service. For multipoint services, the parameters apply to each mid link or end link. C-Type conditioning and Data Capability may be combined on the same service. (T)

Material on this sheet formerly in different form on Sheets 255 through 303.
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)

7.2.3 Voice Grade Service (Cont'd)

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

(3) Conditioning (Cont'd)

(a) C-Type Conditioning

C-Type Conditioning is provided for the additional control of attenuation distortion and envelope delay distortion on data services. The attenuation distortion and envelope delay distortion specifications for C-Type Conditioning are:

Attenuation Distortion
(Frequency Response)
Relative to 1004 Hz

<u>Frequency Range (Hz)</u>	<u>Variation (dB)</u>
500-2800	-1.0 to +3.0
300-3000	-2.0 to +6.0

- Envelope Delay
Distortion
Variation
Frequency (micro-
Range (Hz) seconds)

1004-2604	500
604-2604	1500
504-2804	3000

Technical specifications for IntraLATA Private Line Service C conditioning are delineated in Technical Reference TR-NWT-000965 and PUB L-780029-PB.

(N)
|
(N)

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)

(3) Conditioning (Cont'd)

(b) Improved Attenuation Distortion

Improved attenuation distortion is provided for additional control of attenuation distortion. The improved attenuation distortion specifications are:

Attenuation Distortion
(Frequency Response)
Relative to 1004 Hz

<u>Frequency Range (Hz)</u>	<u>Variation (dB)</u>
400-2800	-1.0 to +2.0
300-3000	-1.0 to +3.0
3000-3200	-2.0 to +6.0

(c) Improved Envelope Delay Distortion

Improved envelope delay distortion is provided for additional control of envelope delay distortion. The improved envelope delay distortion specifications are:

<u>Frequency Range (Hz)</u>	<u>Envelope Delay Distortion Variation (micro-seconds)</u>
1000-2600	100
800-2600	200
600-2600	300
500-2800	600
500-3000	3000

(T)

Material on this sheet formerly in different form on Sheets 255 through 303.
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)

7.2.3 Voice Grade Service (Cont'd)

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

(3) Conditioning (Cont'd)

(d) Sealing Current Conditioning

Sealing Current Conditioning is provided to help maintain continuity on dry metallic loops. It is usually associated with four-wire DA or NO type network channel interfaces.

(T)

(T)

Material on this sheet formerly in different form on Sheets 255 through 303.
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)

7.2.3 Voice Grade Service (Cont'd)

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

(4) Customer Specified Premises Receive Level

This option allows the customer to specify the receive level at the Point of Termination. The level must be within a specific range on effective four-wire transmission. The ranges are delineated in Technical Reference PUB TR-NWT-000335.

(T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

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

(5) Improved Return Loss

(a) On effective Four-Wire Transmission at Four-Wire Point of Termination (applicable to each two-wire port): Provides for a fixed 600 ohm impedance, variable level range and simplex reversal. Utility equipment is required at the customer's premises where this option is ordered. The Improved Return Loss parameters are delineated in Technical Reference PUB TR-NWT-000335. (T)

(b) On effective Two-Wire Transmission at Two-Wire Point of Termination: Provides for more stringent Echo Control Specifications. In order for this option to be applicable, the transmission path must be four-wire at one POT and two-wire at the other POT. Placement of Utility equipment may be required at the customer's premises with the two-wire POT. The Improved Return Loss parameters are delineated in Technical Reference PUB TR-NWT-000335. (T)

(6) Data Capability

Data Capability provides transmission characteristics suitable for data communications. Specifically, Data Capability provides for the control of Signal to C-Notched Noise Ratio and intermodulation distortion. It is available for two-point services or multipoint services.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

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

(6) Data Capability (Cont'd)

The Signal to C-Notched Noise Ratio and intermodulation distortion parameters for Data Capability up to and including the Utility's local loop demarcation point are: (T) (N)

- Signal to C-Notched Noise Ratio is equal to or greater than 32dB
- Intermodulation distortion:
 - Signal to second order modulation products (R2) is equal to or greater than 38dB
 - Signal to third order modulation products (R3) is equal to or greater than 42dB

When a service equipped with Data Capability is used for voice communications, the quality of the voice transmission may not be satisfactory.

(7) Telephoto Capability

Telephoto Capability provides transmission characteristics suitable for telephotographic communications. Specifically Telephoto Capability is provided for the control of attenuation distortion and envelope delay distortion on telephotographic services. The attenuation distortion and envelope delay distortion parameters up to and including the Utility's local loop demarcation point for Telephoto Capability are: (T) (T)

Envelope Delay Distortion

<u>Frequency Range (Hz)</u>	<u>Variation (mcs)</u>
-----------------------------	------------------------

1000-2600	110
800-2800	180
(1004HZ Reference)	

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)

(7) Telephoto Capability (Cont'd)

<u>Attenuation Distortion</u>	
<u>Frequency Variation</u>	
<u>Range (Hz)</u>	<u>(dB)</u>
500-3000	-0.5 to +1.5
300-3200	-1.0 to +2.5

(8) Signaling Capability

Signaling Capability provides for the process by which one customer premises alerts another customer premises on the same service with which it wishes to communicate.

(9) Selective Signaling Arrangement

An arrangement that permits code selective ringing for up to ten codes on a multipoint service.

(10) Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access channels(s). The arrangement can be utilized to transfer a leg of a Special Access Service to another channel that terminates in either the same or a different customer premises. A key activated or dial-up control service is required to operate the transfer arrangement as set forth in 7.5.3(C)(11) following. A spare channel, if required, is not included as part of the option.

(T)

Material on this sheet formerly in different form on Sheets 255 through 303.
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)

7.2.3 Voice Grade Service (Cont'd)

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

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

	Available with Technical Specifications Package VG-												
	C	1	2	3	4	5	6	7	8	9	10	11	12
C-Type Conditioning Central Office Bridging Capability	X					X	X	X	X	X	X		
Central Office Multiplexing	X						X				X	X	X (T)
Customer Specified Premises Receive Level	X	X	X	X	X	X	X	X	X	X	X	X	(T)
Data Capability	X						X	X			X		
Improved Return Loss For Effective Four-Wire Transmission	X	X	X	X	X	X	X	X	X	X	X	X	X (T)
For Effective Two-Wire Transmission	X		X	X				X					(T)
Sealing Current Conditioning	X					X	X						(T)
Selective Signaling Arrangement	X		X										
Signaling Capability	X	X	X	X				X	X	X			
Telephoto Capability	X											X	
Transfer Arrangement	X	X	X	X	X	X	X	X	X	X	X	X	

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			

Material omitted now on Sheet 265-B.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service

(E) Private Virtual Network Access Line (PVNAL)

(L)

(1) Description

A PVN Access Line provides a channel for voice frequency transmission capability. The service provides a connection between a customer's end user's premises and a PVN Access serving office. It is provided only for use with PVN Access Switched Access Service. PVNAL service is provided with either rotary dial or dual tone multifrequency address signaling and either loop start, ground start E&M, or reverse battery supervisory signaling. The choice of the type of signaling is at the option of the customer and subject to the limitations identified in the Technical PUB GR-334-CORE for voice grade service. (T)
PVN Access Line Service is provided as an effective two-wire or an effective four-wire transmission path. Rates and Charges are as set forth in 7.2.1(BB)(3), 7.5.2 and 7.5.4 following. (L)

(2) Compatible Channel Interfaces

The following interfaces available with PVNAL service:

LO
LS
GO
GS
RV
EA
EB
DS

(3) Optional Features and Functions

(a) Improved Two-Wire Transmission Specifications.

(L) Formerly on Sheet 265-A.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

(E) Private Virtual Network Access Line PVNAL (Cont'd)

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

(b) Signaling Capability

(c) Voice Grade Bridging

(T)

(T)

(L)

(L)

Material on this sheet formerly in different form on Sheet 330-B.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

(F) Reserved

(T)

(D)

(D)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

(F) Reserved

(T)

(D)

(D)

(D)

(D)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

(G) Reserved

(T)

(D)

(D)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

(G) Reserved

(T)

(D)

(D)

(D)

(D)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

(H) Local Area Data Channels

(L)

A Local Area Data Channel connects two customer designated premises within the same serving wire center as specified in Technical Reference PUB MDP-326-986. It may be terminated two-wire or four-wire and is only available as a two-point service.

(T)
|
(T)

Limited Distance Modems (LDM) require transmission facilities with characteristics normally found in metallic wire facilities. Such services will be furnished only where metallic facilities are normally available between the service points.

(L)

(L) Formerly in different form in Schedule Cal.P.U.C. No. B3.2.3,A.3. and B3.2.3,B.3.

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

Parameter	Package AP-				
	C*	1	2	3	4
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.

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

(T)

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)

<u>CI</u>	<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 (Cont'd)

(A) Basic Channel Description (Cont'd)

(T)

(b) Reserved

(T)

Material omitted now in different form on Sheets 271 and 272.

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)

(T)

(c) AVS-270

(N)

AVS-270 provides the transmission of a digital video signal in an uncompressed format with no loss of video quality.

AVS-270 is provided as a point to point service which may route through a Utility-designated Video Service Hub for use with a Service Through-Connect to facilitate 2 customers being billed for parts of one Video Service as described in Section 7.2.5, following.

(N)

Material omitted now in different form on Sheet 272.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video Service (Cont'd)

(T)

(B) Technical Specifications Package

(L)

The technical specifications are set forth in Technical
Reference GR-338-CORE and L-720026-PB/NB.

(C)

(C)

(D)

(D)

(D)

(D)

Material on this sheet formerly in different form on Sheet 269.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video Service

(B)

(T)

(C)

(D)

(D)

(C) Network Channel Interfaces

(L)

Compatible channel interfaces are set forth in Technical Reference PUB 62504, GR-338-CORE, and L-720026-PB/NB.

(C)

(C)

(D)

(D)

Material on this sheet formerly in different form on Sheet 269.

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)

(T)

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

(N)

(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.

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.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.7 Reserved

(T)
(D)

(D)

(D)

(D)

Continued

Advice Letter No. 16797
Decision No.

Issued by
A. E. Swan
Executive Director

Date Filed: Sept. 29, 1993
Effective: NOV 08 1993
Resolution No. T15426

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.7 Reserved

(T)
(D)

(D)

(D)

(D)

Continued

Advice Letter No. 16797
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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Services

(A) Digital Data Service*

(1) Basic Channel Description

A Digital Data channel is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, or 56 kbps. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Utility through the Utility's facilities to the customer in the received bit stream. Digital Data channels are only available via Utility designated hubs and 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)
(T)

The customer may provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the Digital Data channel at the customer premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

* 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.

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)

(2) Technical Specifications Packages

<u>Parameter</u>	<u>Package DA-</u>			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
<u>Error-Free Seconds</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>

The Utility will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875% error-free seconds, while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured, and maintained to conform with specifications contained in Technical Reference PUB MDP-326-726.

Voltages which are compatible with Digital Data Service are delineated in Technical Reference PUB TR-NWT-000341.

(L)

(L)

* 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.
(L) Formerly on Sheet 276.

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)

(T)

(3) Network Channel Interfaces

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

<u>CI</u>	<u>Bit Rate</u>
DU-24	2.4 kbps
DU-48	4.8 kbps
DU-56	56.0 kbps
DU-96	9.6 kbps

Compatible network channel interfaces are set forth in the Technical Reference listed in 7.2.8(A)(2) preceding.

(4) Optional Features and Functions

(a) Central Office Bridging Capability

(b) Transfer Arrangement

An arrangement that affords the customer an additional measure of protection and/or flexibility in the use of their access channel(s) on a 1xN basis. The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or different customer premises. This arrangement is only available at a Utility designated hub. A key activated or dial up control service is required to operate the transfer arrangement as described in 7.5.8(A)(3)(b). A spare channel, if required, is not included as part of the option.

* 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.

(N)
|
(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 (T)
in a Utility premises. The interface is compatible with the X.75# packet (T)
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 (N)
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)

(T)

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

(d) Secondary Channel (Cont'd)

(T)

- The types of secondary channels offered to provide for the simultaneous, independent two-way transmission of digital signals between two or more customer premises each having Secondary Channels are as follows:

Secondary Channel furnished for digital transmission at a synchronous rate of 133 bps, operating in parallel with a primary 2.4 kbps (DA1) channel (per station).

Secondary Channel furnished for digital transmission at a synchronous rate of 266 bps, operating in parallel with a primary 4.8 kbps (DA2) channel (per station).

Secondary Channel furnished for digital transmission at a synchronous rate of 533 bps, operating in parallel with a primary 9.6 kbps (DA3) channel (per station).

Secondary Channel furnished for digital transmission at a synchronous rate of 2,666 bps, operating in parallel with a primary 56 kbps (DA4) channel (per station).

* 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.

(N)

(N)

Material omitted now on Sheet 277-A.

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)

(T)

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

(e) Central Office Multiplexing

- DS1 to DSO

An arrangement that converts a 1.544 Mbps channel to 23 64.0 kbps channels utilizing digital time division multiplexing.

- DSO to Subrate#

(T)

An arrangement that converts a 64.0 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.

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

	Available with Technical Specifications Package DA-				
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	
Central Office Bridging Capability	X	X	X	X	
Central Office Multiplexing					
DS1-DSO	X	X	X	X	
DSO-Subrate#	X	X	X	X	(T)
Transfer Arrangement	X	X	X	X	
Public Packet Switching (PPS) Interface			x		
Secondary Channel	X	X	X	X	

* 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.

(N)

(N)

Available only on a channel of a 1.544 Mbps facility to a Utility DDS Hub.

(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)
(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 (Cont'd)

(B) Advanced Digital Network (Cont'd)

(2) Technical Specifications

(L)

Technical specifications and examples of application are set forth in Technical Reference PUB L-780036-PB.

While in service, the monthly average of error-free seconds will be equal to or greater than 99.5%.

(L)

(L) Formerly on Sheet 276.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Services

(B) Advanced Digital Network (Cont'd)

(3) Channel Interfaces

Compatible channel interfaces are set forth in
Technical Reference PUB L-780036-PB/NB.

(T)

(4) Optional Features and Functions

(a) Central Office Bridging Capability

(b) Secondary Channel

Secondary Channel is associated with Advanced Digital Network service channel(s) and describes a second, totally independent, lower speed channel operating in parallel with the primary Advanced Digital Network circuit.

Secondary Channel is only available for fixed speeds as set forth following and is not available with Network Control and Diagnostics. All terminations on a circuit must be similarly equipped.

The types of Secondary Channels offered to provide for the simultaneous, independent two-way transmission of digital signals between two or more customer premises, each having Secondary Channels, are as follows:

<u>Advanced Digital Network Data Rate</u>	<u>Associated Secondary Channel Rate</u>
2.4 Kbps	133 bps
4.8 Kbps	266 bps
9.6 Kbps	533 bps
19.2 Kbps	1,066 bps
56.0 Kbps	2,666 bps

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. (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) 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 (T) between a customer designated premises and the serving wire center serving that premises.

* 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

Advice Letter No. 21220

Issued by

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Decision No.

Daniel O. Jacobsen

Effective: **JUL 16 2000**

General Manager

Resolution No.

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)

DS3, DS3x3 and DS3x12 services provide a total capacity of one (DS3), three (DS3x3) or twelve (DS3x12) services. DS3x3 services can be point-to-point or connected at the wire center serving that premises to individual terminating DS3 services, or to individual DS3 services for multiplexing at a Hub. DS3x12 service can only be connected at the serving wire center to individual terminating DS3 services, or to individual DS3 services for multiplexing at a Hub. The DS3 to DS1 multiplexing function is only available in Utility Hubs as indicated in 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.

(T)
(N)
|
(N)

DS3, DS3x3 and DS3x12 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.

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)

Fiber AdvantageSM Service is a high performance service providing transmission of 1.544, 3.152, 6.312, 44.736 (DS3, DS3x3, or DS3x12), or 274.176 Mbps isochronous serial data with reliability parameters designed to limit a single event from interrupting service. Fiber AdvantageSM Service is offered as end-to-end fiber optic DS1 and DS3 (DS3, DS3x3 and DS3x12) services provided with either an electrical or fiber optic. When the optical interface is selected, the customer must provide the optical line termination at its premises, which must be compatible with the Utility's equipment. Fiber AdvantageSM Services are only available where facilities and operating conditions permit as determined by the Utility. Upon request, a customer may be placed on a Self Healing Fiber ring, when available. Upon request, Fiber AdvantageSM service may be placed on diverse fiber facilities where available. Where facilities and/or operating conditions do not permit, Special Construction as set forth in Section 15 shall apply. A customer may order any appropriate High Capacity Optional Feature or Function with Fiber AdvantageSM Service.

(N)

DS3, DS3x3, and DS3x12 High Capacity Service shall only be provided as Fiber AdvantageSM Service. At the customer's option, DS1 High Capacity Service may be provided as Fiber AdvantageSM Service.

(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)

(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)

(2) Technical Specifications Packages

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

A channel with technical specifications package HC1 or HC3 will be capable of an error-free second performance of 98.75% over a continuous 24 hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical References L-780059-PB/NB and L-780085-PB/NB.

Fiber AdvantageSM Service will provide at least 99.999% circuit availability and 100% availability of its fiber optic channel termination on a monthly basis. This applies only to the Utility-provided service and requires customer-provided equipment to be fully compatible and operational under the specifications set forth in Technical Publication L-780059-PB.

(L)

(L)

(N)

(N)

(L) Formerly on Sheet 279-B.

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:

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

Compatible 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)

(b) Transfer Arrangement*

(T)

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer premises. A key activated or dial up control service is required to operate the transfer arrangement as described in 7.5.8 (C)(3)(c). A spare channel, if required, is not included as part of the option.

(D)

(D)

* 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)

(d) Digital Cross-Connect System Interface Arrangements(N)

(i) Advanced Digital Network Interface Arrangement (T)

An arrangement that connects a 1.544 Mbps (DS1) or Fiber AdvantageSM 1.544 Mbps service to a digital cross-connect system. (T)
This DCS may cross-connect an entire 1.544 Mbps channel or individual channels. (T)
One ADN Interface Arrangement shall apply per termination at the digital cross-connect system. (T)

(ii) High Capacity Service Interface Arrangement (N)

An arrangement that connects a 1.544 Mbps (DS1) or Fiber AdvantageSM DS1 service to a digital cross-connect system (DCS). This DCS may cross-connect an entire DS1 channel to another DS1 or DS3 channel. One High Capacity Service Interface Arrangement charge shall apply per termination at the digital cross-connect system. (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 as set forth in 7.2.8 (B) preceding and 7.5.8 (B) following. (T)

- 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)

(N)

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)

(g) Clear Channel Capability (CCC)

- per Circuit arranged

Clear Channel Capability (CCC) is a feature that provides the customer with an increase in useable bandwidth from 1.344 Mbps to 1.536 Mbps of an unconstrained data stream across the network. CCC is provided on 1.544 Mbps service and provisioning of CCC in the Utility network requires the customer's signal at the channel interface to conform to bipolar with eight zero substitution (B8ZS) line code format. Customer equipment must be compatible with this method of providing the unconstrained signal.

(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.

	Available with Technical Specifications Package HC-				
	<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		X			
Arrangement@		X			
Network Reconfiguration Service*			X		X
					(T)
					(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)

7.2.9 SONET Ring and Access Services

(T)

(A) Basic Service Description

SONET Ring and Access Services provide dedicated bandwidth capacity (bit rate capacity or bit speed) over self healing ring and two-point (a.k.a. circuit service) facility configurations for a single customer. Connecting facilities carry synchronous and asynchronous transmissions. The service includes enhanced survivability and network management per SONET (Synchronous Optical Network) technology.

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.

The Utility's service supports synchronous bandwidth capacities at 155 Mbps, 622 Mbps and 2.4 Gbps. The SONET add/drop multiplexer aggregates lesser bit speed services onto the dedicated ring or two point(circuit service) configurations.

Rate elements are:

- Premises and Central Office Nodes for connecting to the ring, using the SONET add/drop multiplexer.
- Premises and Central Office Access Ports that identify facility interfaces.
- Local Loop Access Links that connect a customer's premise to the central office.
- Primary Node Links connecting the primary central office node to the customer's premises or Point of Presence.

Plus Dedicated Ring Fees, Mileage and Optional Features.

An EIS Cross-Connect may connect to a SONET Central Office Access Node or Port.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 SONET Ring and Access Services (Cont'd)

(A) Basic Service Description (Cont'd)

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

(D)

(D)

SONET Ring and Access Services are planned for the major metropolitan areas of California. By the end of 1996 facilities will be available in many areas of California including the major central offices of the San Francisco, Sacramento and Los Angeles metropolitan areas, plus Orange and San Diego counties. Where facilities and/or operating conditions do not permit the availability of services, Special Construction will apply as set forth in Section 15.

Upon request, SONET Ring and Access Services may be placed on diverse fiber facilities where available. Diversity is available as shown in Section 7.5.8,(C)7.

(T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 SONET Ring and Access Services (Cont'd)

(A) Basic Service Description (Cont'd)

Channel Interfaces

Compatible channel interfaces are listed in Technical Reference PUB L-780046-PB/NV - Technical Requirements for SONET Ring and Access Services.

For the EoS (Ethernet over SONET) offering of 100 Mbps for SONET Ring service, the compatible channel interface is listed in Technical Reference TP-76-412-000.

(N)

Interfaces for Ethernet over SONET (EOS) are listed in Technical Reference No. TP-76-412-000.

(N)

Continued

ACCESS SERVICES

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 SONET Ring and Access Services (Cont'd)

(A) Basic Service Description (Cont'd)

(N)

(1) Mileage

Mileage charges apply to the varying configurations of the SONET Ring and Access Services. 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.

For the dedicated ring recurring mileage is for the interoffice facilities between nodes. The chargeable mileage is that mileage per link exceeding the ten miles included in the Dedicated Ring Fee for Interoffice or Alternate Wire Center. Distances obtained from V&H coordinates set forth in NECA Tariff, FCC No. 4, will determine the chargeable mileage on a per link basis. The V&H Coordinates of the normal serving wire center of the customer premises will be used for calculating mileage from Premises Nodes. The monthly mileage charge for the dedicated ring is determined by multiplying the applicable rate times the chargeable mileage.

For circuit service configurations recurring mileage provides for interoffice facilities between the end point nodes of the circuit. The chargeable mileage is the distance between the central offices with the end point nodes. These distances are determined using the V&H coordinates of NECA Tariff FCC No. 4. The monthly mileage charge for circuit service is determined by multiplying the applicable monthly rate times the chargeable mileage.

(N)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 SONET Ring and Access Services (Cont'd)

(A) Basic Service Description (Cont'd)

(2) Dedicated Ring Fee

Dedicated Ring Fees provide for the construction of dedicated transport facilities, related service order activity and ongoing ring maintenance. There are three Fees: (1) Interoffice: for CO Node to CO Node facilities; (2) Local Loop: for facilities connecting a CO Node to one or more Premises Nodes in the customer's normal serving wire center, and (3) Alternate Wire Center: for facilities connecting a Premise Node to a central office outside of the customer's normal serving wire center. The fee does not apply to circuit service configurations.

(3) CO and Premises Node

Nodes, available in Rate Stability Payment Plans, aggregate lower bandwidth capacities onto the ring or circuit service through use of the SONET add/drop multiplexer function. The CO Node is located in the central office; the Premises Node, including Customer Provided Node, at the customer's location. Customer Provided Nodes must connect to Utility nodes. CO Nodes shall be required for extending the range of the ring (i.e., for ring regeneration). Circuit service CO Nodes may be used for interconnection to other rings (appropriate Circuit Service Mileage and CO Access Ports will be charged). For ring nodes bandwidth capacities are 155 Mbps, 622 Mbps, and 2.4 Gbps. For circuit service configurations, bandwidth capacities are 155 Mbps and 622 Mbps. A minimum of one CO Node is required on a ring.

An EIS Cross-Connect may connect to a CO Node.

(N)

(N)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 SONET Ring and Access Services (Cont'd)

(A) Basic Service Description (Cont'd)

(4) Local Loop Access Link

(a) Local Loop Access Link With Equipment

The Local Loop Access Link provides the equipment for delivering transmissions from the customer's premises to the Utility's dedicated ring or circuit service. Bandwidth is 155 Mbps.

(b) Local Loop Access Link Without Equipment

Reserved for future use

(5) Premises Access Port

The Premises Access Port is associated with a Premises Node at the customer's location. It is identified by 1.5 Mbps, 45 Mbps, 155 Mbps, 100 Mbps and 622 Mbps bandwidth capacities.

An Additional Connection for 2.4 Gbps (OC48) at 622 Mbps* bandwidth capacity connects to a Premises Node to accommodate interfaces at 1.5 Mbps, or 155 Mbps. This additional connection port must be purchased for each 622 Mbps* bandwidth before the 1.5 Mbps, or 155 Mbps Premises Access Ports will work on an OC48 Premises Node. (T)

The additional connection for 2.4 Gbps at 622 Mbps* is not required for OC12c (622 Mbps) Premises Access Ports, 155 Mbps Premises Access Ports or DS3 (45 Mbps) Premises Access Ports. However, an OC48 Premises Node is required to provision 622 Mbps bandwidth service or OC12c Premises Access Ports. (T) (N) (N)

* 622 Mbps Additional Connection interface not applicable to new customers served by new equipment for interface connections to 155 Mbps. Additional Connection still required for 1.5 Mbps capacity. Existing customers with the Additional Connection interface will retain it. (N) (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 SONET Ring and Access Services (Cont'd)

(A) Basic Service Description (Cont'd)

(5) Premises Access Port (cont'd)

Existing customers subscribing to SONET Ring service must have completed at least 36 months in a single or subsequent Term Payment Plan (Rate Stability Plan) and sign a new 3 or 5 Year Term Payment Plan (Rate Stability Plan) in order to qualify for the 100 Mbps or 1 Gbps Ethernet Port offering. (N)

(6) Central Office Access Port

The Central Office Access Port connects Local Loop Access Links, or channel terminations, multiplexers or circuit service facilities to the Central Office Node in dedicated ring configurations. It offers bandwidth capacities of 51Mbps, 155Mbps and 622Mbps.

An EIS Cross-Connect may connect to a Central Office Access Port.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 SONET Ring and Access Services (Cont'd)

(A) Basic Service Description (Cont'd)

(7) Primary Node Link

The Primary Node Link may act as the interface to the dedicated interoffice ring at the customer's designated primary CO Node location (primary node). The Primary Node Link can be located at either a customer's premises or a Point of Presence (POP). The customer can designate one primary node on a ring that has no premises node locations for use with the Primary Node Links. Other nodes on the ring require Central Office Access Ports, Local Loop Access Links and/or channel terminations for the ring interface. The Primary Node Link cannot be used on rings with a Premise Node. Primary Node Link bandwidth capacities are: 1.5 Mbps, 51 Mbps or 155 Mbps. The Primary Node Link can only be used on rings not having a Premises Node.

(8) Optional Features and Functions

(a) Central Office Multiplexing

(i) DS3 to DS1

An arrangement that converts a DS3 channel to 28 DS1 channels using digital time division multiplexing.

(ii) There is no SONET multiplexing arrangement for bandwidth capacities above 51 Mbps.

(b) Additional Connection for 2.4 Gbps (OC-48)

(T)

(i) OC3 not offered

(ii) OC-12 to DS1

An arrangement for DS1 limits availability of total drop capacity.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 SONET Ring and Access Services (Cont'd)

(A) Basic Service Description (Cont'd)

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

(b) Customer Provided Node

Customer Provided Nodes, compatible with Utility specifications, may connect from customer premises to Utility provided nodes on the ring. The customer will furnish all equipment between the Utility's optical network interface units serving the customer premises. Through a mutually agreed upon interoperability agreement the Utility will maintain network control and inventory as well as direct all provisioning and maintenance of the ring.

For network security purposes, the customer will place the provided node/transport equipment in a locked cabinet or other appropriate secure arrangement.

(D)
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(D)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 SONET Ring and Access Services (Cont'd)

(A) Basic Service Description (Cont'd)

(9) Ethernet over SONET (EoS)

Ethernet over SONET (EoS) interfaces have distance limitations from the Utility Serving Wire Center to the customer's demarcation point. These limitations will be discussed with the customer and the Utility and customers will determine the appropriate EoS interface for the customer's SONET Ring service.

(T)
(T)

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 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.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 OC-192 Dedicated SONET Ring Service

(1) General Description

(A) 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-48¹ or OC48c¹. 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, OC3c, OC-12, OC12c, OC48¹, OC48c¹. (T)

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. (T)

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

(D)
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(D)

(B) Service Provisioning

(1) Manner of Provisioning

All customers will be served from the nearest suitably equipped Utility Serving Wire Center. Information pertaining to Utility Serving Wire Centers equipped to provide OC-192 Dedicated SONET Ring Service is set forth in the National Exchange Carrier Association, Inc. (NECA) Tariff F.C.C. No. 4. OC-192 Dedicated SONET Ring Service will be provided subject to the availability and limitations of the Utility's Serving Wire Centers and outside plant facilities. OC-192 Dedicated SONET Ring Service is only available where technical capabilities permit such facility distance and type of physical plant. Where facilities are not available, Special Construction charges may apply as shown in Section 15 following.

NOTE 1: 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.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

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

(1) General Description (Cont'd)

(B) Service Provisioning (Cont'd)

(2) Limitations

The Utility does not undertake to originate data, but offers the use of its OC-192 Dedicated SONET Ring Service, where available, to customers for the purpose of transporting data originated by the customer or a third party.

Unprotected services may be interrupted to repair other circuits. In cases where the customer orders OC-192 Dedicated SONET Ring Service with an unprotected 2-fiber service interface, the Utility may provision this unprotected service, with other unprotected services, via a multi-port circuit card. If one unprotected service on the card incurs an outage, the Utility may repair the 2-fiber service interface device by replacing the card, which may temporarily interrupt service on any other unprotected tributary circuits that subtend this same multi-port circuit card. In the event of a service interruption, credit allowance will be provided for the service that suffered the unplanned outage, as outlined in Section 7.2.10 (3), following.

The Utility will maintain and repair the OC-192 Ring Service which it furnishes and will provide the customer reasonable notification of service affecting activities that may occur in the normal operation of business.

(3) Allowance for Service Interruptions

Dedicated Rings provide Automatic Protection to assure 100 percent availability of the services on the ring. Credit allowance for service interruptions is set forth in Section 2.4.4, preceding.

(D)
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(D)

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)

(1) General Description (Cont'd)

(C) Responsibility of the Utility

The Utility will provision and maintain OC-192 Dedicated SONET Ring Service for the customer up to and including the Network Interface (NI).

(D) Rights of the Utility

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.

(E) Responsibility of Customer

The customer is responsible for providing compatible customer provided equipment (CPE) that is used for connection to OC-192 Dedicated SONET Ring Service.

(2) Technical Specifications

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)

These publications may be obtained from:

(N)

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

(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)

(3) SONET Assurance Guarantee

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

(4) Ethernet over SONET (EoS)

Ethernet over SONET (EoS) interfaces have distance limitations from the Utility Serving Wire Center to the customer's demarcation point. These limitations will be discussed with the customer, and the Utility and customer will determine the appropriate EoS interface for the customer's Dedicated OC-192 SONET Ring service.

(T)

(T)

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 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.

7.2.11 Reserved

7.2.12 Reserved

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.13 GigaMAN[®] Service

(T)

(1) General Description

(A) Basic Service Description

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.

(T)

(C)

(T)

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)

(D)

(D)

(B) Regulations

(N)

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

(2) 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.

(3) GigaMAN[®] is designed to provide connectivity at
the discrete bit rate of 1 Gbps.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.13 GigaMAN[®] Service (Cont'd)

(1) General Description (Cont'd)

(B) Regulations (Cont'd)

- (4) GigaMAN[®] is available on one, two, three or five year Term Pricing Plan (TPP) offerings.
- (5) Out of service adjustments for credit allowances are set forth in Schedule Cal.P.U.C. No. 175-T, Section 2.4.4 preceding.
- (6) 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.
- (7) Conversion from other services (e.g., Hicap DS1 1,544 Mbps, etc.) are not available with GigaMAN[®] service. (T)
- (8) Regulations for moves of a GigaMAN[®] service are set forth in 7.4.16(D)(2) following. (T)
- (9) The Minimum period for GigaMAN[®] service is 12 months.
- (10) GigaMAN[®] service is not offered with guaranteed throughput thresholds.
- (11) 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.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

(N)

7.2 Service Descriptions (Cont'd)

7.2.13 GigaMAN[®] Service (Cont'd)

(1) General Description (Cont'd)

(C) Optional Features

(1) Diversity

GigaMAN[®] service is offered with Diversity. Diversity requires two GigaMAN[®] services purchased by the same customer of record for Local Channel Diversity/Chan Term Diversity and Interwire center Diversity*. The customer premises locations for respectively 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) following.

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

(N)

ACCESS SERVICE

7. Special Access Service (Cont'd)

(N)

7.2 Service Descriptions (Cont'd)

7.2.13 GigaMAN[®] Service (Cont'd)

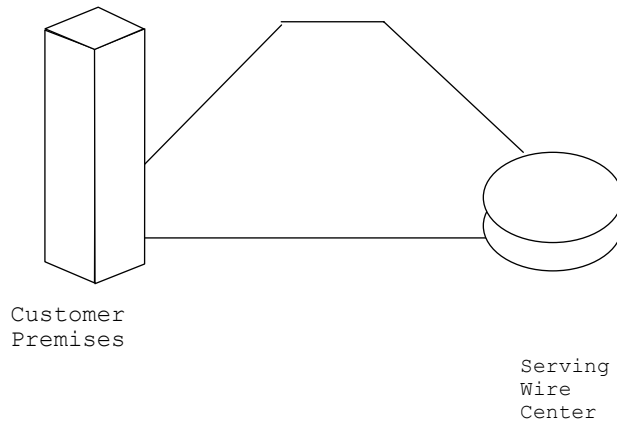
(1) General Description (Cont'd)

(C) Optional Features (Cont'd)

(1) Channel Termination Diversity (Local Channel Diversity) (Cont'd)

Where facilities and/or operating conditions do not exist, Special Construction charges as set forth in Schedule Cal.P.U.C. 175-T, Section 15 may apply.

Circuit No.2 Diverse Route



Channel Termination Diversity (Local Channel Diversity)

Channel Termination Diversity (Local Channel Diversity) provides for a transmission path between a designated customer premises and the standard Serving Wire Center (SWC) that is diverse from the standard transmission path of the GigaMAN[®] service. With this arrangement, a Channel Termination will be provisioned over the standard route and another Channel Termination will be provisioned over the diverse route, both utilizing the same Serving Wire Center.

Channel Termination Diversity (Local Channel Diversity) does not provide for full diversity of the GigaMAN[®] service. It provides diversity from the splice point closest to the customer's property line. Customer's requiring full diversity must utilize Special Construction as set forth in Section 15 following.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

(N)

7.2 Service Descriptions (Cont'd)

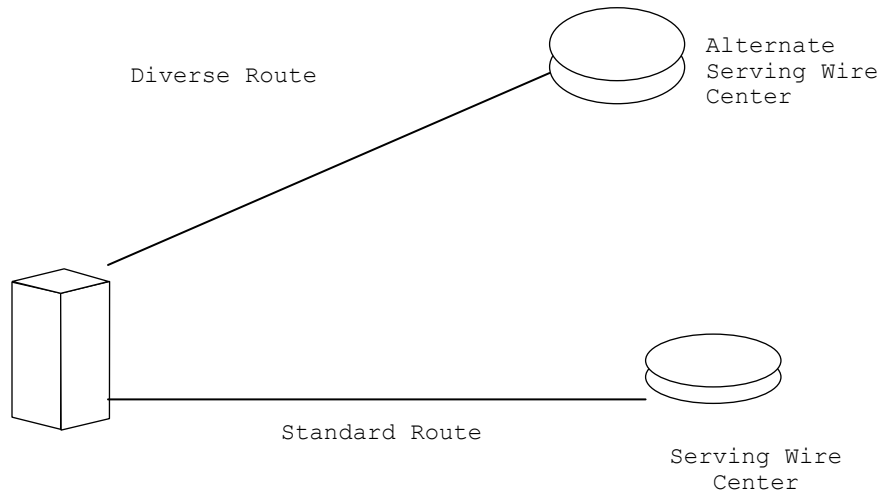
7.2.13 GigaMAN[®] Service (Cont'd)

(1) General Description (Cont'd)

(C) Optional Features (Cont'd)

(2) Alternate Wire Center Diversity

Where facilities and/or operating conditions do not exist, Special Construction charges as set forth in Schedule Cal.P.U.C. No. 175-T, Section 15 may apply.



Alternate Wire Center Diversity

Alternate Wire Center Diversity is offered on the Channel Termination only and may be applicable to one or both Channel Terminations of a GigaMAN[®] service.

Alternate Wire Center Diversity provides for a transmission path from the customer's designated premises through a Serving Wire Center that is not the customer's standard Serving Wire Center. The Utility will select the closest Alternate Wire Center to the customer's premises.

Alternate Wire Center Diversity does not provide full diversity of the GigaMAN[®] service. Customer's requiring full diversity must utilize Special Construction as set forth in Section 15 following.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

(N)

7.2 Service Descriptions (Cont'd)

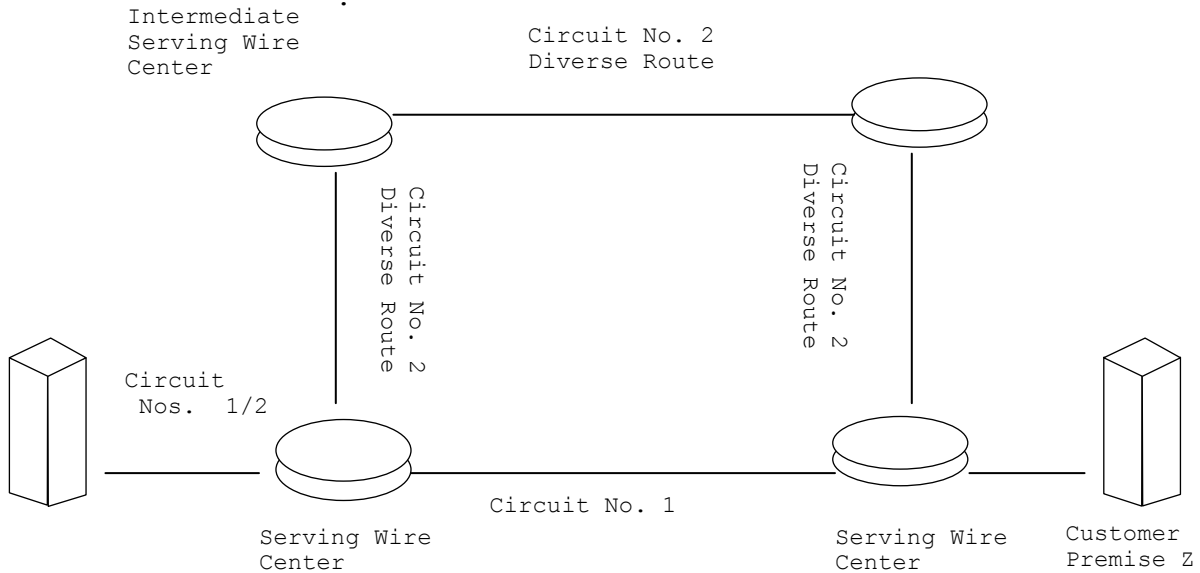
7.2.13 GigaMAN[®] Service (Cont'd)

(1) General Description (Cont'd)

(C) Optional Features (Cont'd)

3) Inter-Wire Center Diversity

Where facilities and/or operating conditions do not exist, Special Construction charges as set forth in Schedule Cal.P.U.C. No. 175-T, Section 15 may apply.



Inter-Wire Center Diversity

Inter-Wire Center Diversity applies to GigaMAN[®] service that requires more than one Serving Wire Center to provide the transmission path between the customer premises. Inter-Wire Center Diversity provides for a transmission path that is not the standard transmission path between the Serving Wire Centers of a GigaMAN[®] service.

The Utility will select the closest diverse Serving Wire Centers to the customer's premises for the Inter-Wire Center Diversity.

Inter-Wire Center Diversity does not provide for full diversity of the GigaMAN[®] service. It provides a diverse route between Serving Wire Centers. Customer's requiring full diversity must utilize Special Construction as set forth in Section 15 following.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.13 GigaMAN[®] Service (Cont'd)

(N)

(1) General Description (Cont'd)

(C) Optional Features (Cont'd)

(4) Protection Options

Protection options are available to GigaMAN[®] customers whose orders for GigaMAN[®] service were completed after January 5, 2004. Customers subscribing to GigaMAN[®] service prior to January 5, 2004, requesting Protection options, must follow the Change rules set forth in Section 7.4.16 preceding.

Protection options are provisioned on the customer's GigaMAN[®] service and the customer is not required to purchase a second GigaMAN[®] circuit for Protection options. Protection options are applied on a per GigaMAN[®] circuit basis only. Protection options provide additional levels of reliability to GigaMAN[®] service. There are multiple protection options offered. The options do not need to be the same, but both Channel Terminations of the GigaMAN[®] service must include some form of protection for the service to be considered protected.

Protection options are available where facilities and/or operating conditions permit. Where facilities and/or operating conditions do not permit, Special Construction charges as set forth in Section 15, following, may apply.

The Utility will design the protection, options based upon the configuration of the customer's GigaMAN[®] service.

Additional repeaters may be necessary on the protected path as determined by the Utility as set forth in Section 7.4.16(B) following.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.13 GigaMAN[®] Service (Cont'd)

(N)

(1) General Description (Cont'd)

(C) Optional Features (Cont'd)

(4) Protection Options (Cont'd)

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 require downtime.

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

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.13 GigaMAN[®] Service (Cont'd)

(N)

(1) General Description (Cont'd)

(C) Optional Features (Cont'd)

(4) Protection Options (Cont'd)

(a) Equipment Only Protection - Per Terminating End

Equipment Only Protection offers one GigaMAN[®] signal routed on two different fiber pairs that co-exist in the same cable and conduit structure that terminate into the same device, but in a separate and distinct module. Protection switching will occur between the modules if necessary.

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. This form of protection can only be ordered per Channel Termination for each protected GigaMAN[®] service.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.13 GigaMAN[®] Service (Cont'd)

(1) General Description (Cont'd)

(C) Optional Features (Cont'd)

(4) Protection Options (Cont'd)

(b) Equipment Plus Fiber Path Protection

Equipment Plus Fiber Path Protection offers varying degrees of path protection for each Channel Termination of the GigaMAN[®] service, and is offered as follows:

(1) Equipment Plus Alternate Wire Center Path Protection - Per Terminating End

Equipment Plus Alternate Wire Center Path Protection offers one GigaMAN[®] signal routed over one fiber pair of the protected GigaMAN[®] service from the customer's premises to the customer's normal Utility Serving Wire Center, and a duplicate GigaMAN[®] signal routed over a diversely routed fiber pair to the Alternate Wire Center selected by the Utility.

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.

This option can be selected for one or both Channel Terminations of the GigaMAN[®] service.

(N)

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.13 GigaMAN[®] Service (Cont'd)

(1) General Description (Cont'd)

(C) Optional Features (Cont'd)

(4) Protection Options (Cont'd)

(b) Equipment Plus Fiber Path Protection (Cont'd)

Equipment Plus Fiber Path Protection offers varying degrees of path protection for each Channel Termination of the GigaMAN[®] service, and is offered as follows: (Cont'd)

(1) Equipment Plus Alternate Wire Center Path Protection - Per Terminating End (Cont'd)

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. This form of protection can only be ordered per Channel Termination for each protected GigaMAN[®] service.

If a customer requests complete protection extending to the Utility Serving Wire Center from their premises location when utilizing Equipment Protection Plus Alternate Wire Center Path Protection, they must request diverse entrance facilities into their premises at each end from the nearest Utility splice point closest to the customer premises location. This work is subject to Special Construction charges as set forth in Section 15 following.

(N)

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.13 GigaMAN[®] Service (Cont'd)

(1) General Description (Cont'd)

(C) Optional Features (Cont'd)

(4) Protection Options (Cont'd)

(b) Equipment Plus Fiber Path Protection (Cont'd)

Equipment Plus Fiber Path Protection offers varying degrees of path protection for each Channel Termination of the GigaMAN[®] service, and is offered as follows: (Cont'd)

(2) Equipment Plus Channel Termination Path Protection - Per Terminating End

Equipment Plus Channel Termination Path Protection offers a duplicate GigaMAN[®] signal routed over two diversely routed fiber paths, to the customer's normal 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.

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.

(N)

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.13 GigaMAN[®] Service (Cont'd)

(1) General Description (Cont'd)

(C) Optional Features (Cont'd)

(4) Protection Options (Cont'd)

(b) Equipment Plus Fiber Path Protection (Cont'd)

Equipment Plus Fiber Path Protection offers varying degrees of path protection for each Channel Termination of the GigaMAN[®] service, and is offered as follows: (Cont'd)

(2) Equipment Plus Channel Termination Path Protection - Per Terminating End (Cont'd)

This form of protection can only be ordered per Channel Termination for each protected GigaMAN[®] service, from the customer's premises location, or from the Utility manhole/splice point nearest the customer premises, to the Utility Serving Wire Center.

If a customer requests complete protection extending to the Utility Serving Wire Center from their premises location when utilizing Equipment Protection Plus Channel Termination Path Protection, they must request diverse entrance facilities into their premises at each end from the nearest Utility splice point closest to the customer premises location. This work is subject to Special Construction charges as set forth in Section 15 following.

(N)

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.13 GigaMAN[®] Service (Cont'd)

(1) General Description (Cont'd)

(C) Optional Features (Cont'd)

(4) Protection Options (Cont'd)

(c) Inter-Wire Center Path Protection - Per Interoffice segment

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.

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.

(N)

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.13 GigaMAN[®] Service (Cont'd)

(1) General Description (Cont'd)

(N)

(C) Optional Features (Cont'd)

(4) Protection Options (Cont'd)

(d) Power Protection

Power Protection provides GigaMAN[®] customers with battery backup for up to eight (8) hours to maintain GigaMAN[®] equipment in the event of a commercial AC power failure.

Power Protection is offered on a per equipment bay capacity basis, per customer premises, as determined by the Utility. The Utility will apply the Power Protection rate elements(s) based upon the circuit capacity, and more than one rate element may be applicable. The Utility will determine the design and engineering requirements for Power Protection for GigaMAN[®] customers.

Customers in multi-tenant buildings will require separate equipment and bays dedicated to each customer.

The addition of Power Protection to existing GigaMAN[®] service may result in temporary service interruption.

Power Protection is not available for installations using the wall mounted cabinet.

Customers are responsible for providing floor space for power equipment as set forth in Section 2.3.3 preceding.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.13 GigaMAN[®] Service (Cont'd) (T)

(2) Technical Specifications Packages

Technical specifications are set forth in the following technical references:

Ethernet Standards - SBC TP 76412-000 (T)

This publication may be obtained from:

Network Helpdesk & Documentation Center (T)
517-788-6872 (T)
(D)
(D)

(3) Moves (N)

Regulations regarding moves are set forth in Section 7.4.16 following. (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

Optical Point-to-Point service will be designed to provide the customer with a custom point to point linear network. Optical Carrier Network (OCN) Point-to-Point service offers a highly reliable transport service that connects customer premises and Utility Serving Wire Center in point-to-point linear configuration. OCN supports voice, data, video, imaging, Internet traffic and other advanced broadband applications.

OCN Point-to-Point channels provide high speed synchronous optical fiber-based full duplex data transmission capabilities between two points. These services provide optical data transmission with the following characteristics:

- OC-3/OC-3C provides channels operating at the terminating bit rate of 155.52 Mbps;
- OC-12/OC-12c provides channels operating at the terminating bit rate of 622.08 Mbps;
- OC-48/OC-48c* provides channels operating at the terminating bit rate of 2488.32 Mbps; (T)
- OC-192/OC-192c provides channels operating at the terminating bit rate of 9953.28 Mbps; (N)

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

- a customer designated premises to another customer designated premises, without add/drop multiplexing capability.
- a customer designated premises to a Utility Serving Wire Center where add/drop multiplexing and add/drop functions are performed.

Optical Transmission paths for OC-3/OC-3c, OC-12/OC-12c, OC-48/OC-48c and OC-192/OC-192c, differentiated by bit rate and the quality of transmission is as delineated by the Optical Interface definitions in the appropriate technical reference publication(s) for the service ordered. (N)

* OC-48c is only available when both locations are served from the same Serving Wire Center. (T)

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)

OC-3, OC-12, and OC-48 may be connected by (1) using the appropriate OC-3, OC-12 or OC-48 add/drop multiplexer (mux) along with the add/drop function to a DS1 and/or DS3 at suitably equipped wire centers, or (2), by using the full bandwidth premises to premises.

Optical Carrier Network (OCN) Point-to-Point service is only available where facilities and/or operating conditions permit. Where facilities and/or operating conditions do not permit, Special Construction as set forth in Section 15, following, shall apply.

The customer is responsible via the ordering process to identify what STS signal configuration is to be contained in each OC-3/OC-3c, OC-12/OC-12c, OC-48/OC-48c and OC-192/OC-192c service connection and each STS-1, STS-3 and/or STS-12 payload content. This information is required for routing and connection purposes in the network. OCN Point-to-Point service does not extend the SONET data communication channel overhead across the network interface to the customer's equipment. (N)

OCN Point to Point services OC-3/OC-3c, OC-12/OC-12c, OC-48/OC-48c and OC-192/OC-192c can be configured in any of the following ways based upon customer requirements: (N)

(A) OC-3

(1) Three STS-1 (Synchronous Transport Signals) channels, which each contain:

- one DS3 that is STS-1 mapped, or
- up to 28 asynchronous DS1s that are VT-mapped, or
- an STS-1 channel without constraint to payload mapping when the STS-1 channel does not terminate via an add/drop function to DS1 or DS3 services within the network.

(2) A single concatenated STS-3C channel.

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) (N)

(B) OC-12

(1) Twelve STS-1 channels, which each contain:

- one DS3 that is STS-1 mapped, or
- up to 28 asynchronous DS1s that are VT-mapped, or
- an STS-1 channel without constraint to payload mapping when the STS-1 channel does not terminate via an add/drop function to DS1 or DS3 services within the network.

(2) Four concatenated STS-3C channels.

(3) From one to three STS-3Cs channels mixed with from three to nine STS-1 channels subject to utilization of the total OC-12 capacity.

(4) A single concatenated STS-12C channel.

(C) OC-48

(1) Forty-eight STS-1 channels each which each contain:

- one DS3 that is STS-1 mapped, or
- up to 28 asynchronous DS1s that are VT-mapped, or
- an STS-1 channel without constraint to payload mapping when the STS-1 channel does not terminate via an add/drop function to DS1 or DS3 services within the network.

(2) Sixteen concatenated STS-3C channels.

(3) From one to fifteen concatenated STS-3C channels, mixed with from three to forty-five STS-1 channels subject to utilization of the total OC-48 capacity.

(4) Four concatenated STS-12Cs channels.

(5) From one to three concatenated STS-12C channels, mixed with from twelve to thirty-six STS-1 channels subject to utilization of the total OC-48 capacity. (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)

(N)

(C) OC-48 (Cont'd)

(6) From one to three concatenated STS-12C channels, mixed with from four to twelve concatenated STS-3C channels, also mixed with from three to thirty-three STS-1 channels subject to utilization of the total OC-48 capacity.

(7) From one to three concatenated STS-12C channels, mixed with from one to eleven concatenated STS-3C channels, also mixed with from three to thirty-three STS-1 channels, subject to utilization of the total OC-48 capacity.

(D) OC-192

(1) One hundred ninety two interleaved STS-1 Channels which each contain:

- One DS3 that is STS-1 mapped; or
- Up to 28 asynchronous DS1s that are VT-mapped; or
- An STS-1 channel without constraint to payload mapping when the STS-1 channel does not terminate via and Add/Drop Function to DS1 or DS3 services within the network;

(2) Sixty four interleaved concatenated STS-3 channels.

(3) From one to sixty three interleaved concatenated STS-3c channels, mixed with from three to one hundred and eighty nine STS-1 channels, subject to utilization of the total STS-192 capacity.

(4) Sixteen interleaved concatenated STS-12c channels.

(5) From one to fifteen interleaved concatenated STS-12c channels mixed with from twelve to one hundred and eighty STS-1 channels, subject utilization of the total STS-192 capacity.

(6) From one to fifteen interleaved concatenated STS-12c channels, mixed with from four to sixty concatenated STS-3c channels subject to utilization of the total STS-192 capacity.

(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)

(N)

(D) OC-192 (Cont'd)

- (7) From one to fifteen interleaved concatenated STS-12c channels, mixed from one to fifty nine concatenated STS-3c channels, also mixed with from three to one hundred and seventy seven STS-1 channels, subject to utilization of the total STS-192 capacity.
- (8) Four interleaved concatenated STS-48c channels.
- (9) From one to three interleaved concatenated STS-48c channels, mixed with from forty eight to one hundred and forty four STS-1 Channels, subject to utilization of the total STS-192 capacity.
- (10) From one to three interleaved concatenated STS-48c channels, mixed with from sixteen to forty eight STS-3c channels, subject to utilization of the total STS-192 capacity.
- (11) From one to three interleaved concatenated STS-48c channels, mixed with from four to twelve STS-12c channels, subject to utilization of the total STS-192 capacity.
- (12) From one to three interleaved concatenated STS-48c channels, mixed with from one to forty seven concatenated STS-3c channels, also mixed with from three to one hundred and forty one STS-1 channels, subject to utilization of the total STS-192 capacity.
- (13) From one to three interleaved concatenated STS-48c channels, mixed with from one to eleven concatenated STS-12c channels, also mixed with from twelve to one hundred and thirty two STS-1 channels, subject to utilization of the total STS-192 capacity.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(D) OC-192 (Cont'd)

(14) From one to three interleaved concatenated STS-48 channels, mixed with from one to eleven concatenated STS-12c channels, also mixed with from four to forty-four concatenated STS-3c channels, subject to utilization of the total STS-192 capacity.

(15) From one to three interleaved concatenated STS-48 channels, mixed with from one to eleven concatenated STS-12c channels, also mixed with from three to one hundred twenty-nine STS-1 channels, subject to utilization for the total STS-192 capacity.

(16) A single concatenated STS-192c channel. (N)

(E) Technical Specifications

The technical specifications for OC-3, OC-12 and OC-48 are specified in Section 7.2, preceding.

These publications may be obtained from:

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

(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.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Network Channel Interface and Network Channel Codes

(T)

This section explains where to locate the Network Channel Interface codes and Network Channel codes that the customer must specify when ordering Special Access Service. Availability of interfaces and network channel codes is set forth in Technical References listed in 7.2 preceding. Included is an example which explains the specific characters of the code, as well as a Service Designator/Network Channel code conversion table.

Example: If the customer specifies a NT Network Channel Code and a 2DC8-3 Network Channel Interface at the customer's premises, the following is being requested:

- NT = Metallic Channel with a Predefined Technical Specification Package (1)
- 2 = Number of physical wires at customer premises
- DC = Facility interface for direct current or voltage
- 8 = Variable impedance level
- 3 = Metallic facilities (DC continuity) for direct current/low frequency control signals or slow speed data (30 baud)

(T)

Network Channel Interface matrices appear in the Technical References for each category of service listed in 7.2 preceding.

(N)

(N)

7.3.1

(D)

(D)

(D)

(D)

Material on this sheet formerly in different form on Sheet 381.
Material omitted now in different form on Sheets 255 through 265.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Network Channel Interface and Network Channel Codes (Cont'd) (T)

7.3.1

Material omitted now in different form on Sheets 255 through 265.

Continued

Advice Letter No. 15436

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Date Filed: Aug. 8, 1988

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M. J. Miller

Effective: Sept. 6, 1988

Executive Director - State Regulatory

Resolution No.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Network Channel Interface and Network Channel Codes (Cont'd)

(T)

7.3.1

Material omitted now in different form on Sheets 255 through 265.

Continued

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Network Channel Interface and Network Channel Codes (Cont'd) (T)

7.3.1

Material omitted now in different form on Sheets 255 through 265.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Network Channel Interface and Network Channel Codes (Cont'd) (T)

7.3.1

Material omitted now in different form on Sheets 255 through 265.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Network Channel Interface and Network Channel Codes (Cont'd) (T)

7.3.2

Material omitted now in different form on Sheets 255 through 265.

Continued

Advice Letter No. 15436

Issued by

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M. J. Miller

Effective: Sept. 6, 1988

Executive Director - State Regulatory

Resolution No.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Network Channel Interface and Network Channel Codes (Cont'd)

7.3.3 Service Designator/Network Channel Code Conversion Table

The purpose of this table is to show the relationship between the service designator codes (e.g. VGC, NB2, etc.) and the network channel codes that are used for various administrative purposes.

<u>Service Designator Code</u>	<u>Network Channel Code</u>	
MTC	MQ	
MT1	NT	
MT2	NU	
MT3	NV	
TGC	NQ	
TG1	NW	
TG2	NY	
VGC	LQ	
VG1	LB	
VG2	LC	
VG3	LD	(L)
VG4	LE	
VG5	LF	
VG6	LG	
VG7	LH	
VG8	LJ	
VG9	LK	
VG10	LN	
VG11	LP	
VG12	LR	(L)
LADC	LA	(N)
VG32	UC	
VG33	UD	
VG36	UG	(N)

(L) Formerly on Sheet 291.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Network Channel Interface and Network Channel Codes (Cont'd)

7.3.3 Service Designator/Network Channel Code Conversion Table
(Cont'd)

<u>Service Designator Code</u>	<u>Network Channel Code</u>
APC	PQ
AP1	PE
AP2	PF
AP3	PJ
AP4	PK
TVC	TQ
TV1	TV
TV2	TW
WA1	WJ
WA1T	WQ
WA2	WL
WA2A	WR
WA3	WN
WA4	WP
WD1	WB
WD2	WE
WD3	WF
DA1	XA, XAB
DA2	XB, XBB
DA3	XG, XGB
DA4	XH, XHB
HCO	HS
HC1	HC
HC1C	HD
HC2	HE
HC3	HF
HC4	HG

Material omitted now on Sheet 290.

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)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges

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

(1) Installation of Service

Nonrecurring charges apply to each service installed.
When multiple identical services (i.e., services (T)
between the same locations and for the same customer)
are ordered and installed at the same time, there is a
charge for the first service installed and a lower
charge for each additional identical service installed.
The nonrecurring charges for the installation of
service are set forth in 7.5 following as a
nonrecurring charge for the Channel Termination rate
element. (T)

(2) Installation of Optional Features and Functions (T)

Nonrecurring charges apply for the installation of some(T)
of the optional features and functions available with
Special Access Service. For some features and
functions there is a lower charge if installed
coincident with the service and a higher charge if
installed subsequent to the installation of the
service.

Material on this sheet formerly in different form on Sheets 387 and 388.
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)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(2) Installation of Optional Features and Functions
(Cont'd)

The optional features for which nonrecurring charges apply are identified in Section 7.5 following.

(C)

(C)

(D)

(D)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements

Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements (i.e., change from one type of Special Access to another or a change from one type of channel termination to another) or a change in the physical location of the point of termination at a customer designated premises. Changes in the physical location of the point of termination are treated as moves and are described and charged as set forth in 7.4.4 following.

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

These are 3 types of Service Rearrangements: Administrative Changes, Service Changes, and Rollover Changes.

(a) Administrative Changes

Administrative changes will be made without charge(s) to the customer. Administrative changes are set forth in 5.2.8, preceding.

(N)

(N)

(T)

(D)

(D)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

(b) Service Changes

Service Changes listed below, are physical changes to existing service, excluding Rollover Changes as set forth in (C) following, and moves as set forth in 7.4.4 following. Charges will apply as specified below.

- If the change involves the addition of another leg to an existing multipoint service, the (T) nonrecurring charge for the channel termination rate element will apply. The charge will apply only for the leg that is being added.

(D)

(D)

- If the change involves the addition of an optional feature or function which has a separate nonrecurring charge, that nonrecurring charge will apply.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

(b) Service Changes (Cont'd)

- If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade channel termination rate element nonrecurring charge will apply. The charge will apply per service termination affected.
- For all other changes, including the addition of optional features without separate nonrecurring charges, a charge equal to a channel termination rate element nonrecurring charge will apply. Only one such charge will apply per service, per change.

(c) Rollover Changes

Rollover changes listed below, are physical changes to existing service excluding (B) preceding, when all changes are performed at the same Utility Wire Center, set forth below, and (T) there is no change in point of termination or EIS (C) Point of Termination. A Rollover Change charge (C) for Special Access Service will apply as set forth in 7.5, following. No charge will apply for subtending services of the service being rolled over as long as there is no change to the subtending services.

- Rearranging an existing service from one port to another port in the same multiplexer.
- Rearranging an existing service from one multiplexer to another multiplexer in the same wire center.
- Rearranging an existing lower speed service to an existing multiplexed higher speed service in the same serving wire center.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types Of Rates And Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

(c) Rollover Changes (Cont'd)

- Rearranging an existing service to the dedicated ring configuration of SONET Ring and Access Services. (N)
- When the existing service is rolling to a SONET Ring and Access Service that has a Rate Stability Payment Plan of 5 Years, the rollover charge will be waived. (N)

In addition, a Rollover Change will occur when existing Special Access Service is rearranged to other existing Special Access Service and there is a change in the point of termination or EIS point of termination of the rolled service. Except as noted below, all facilities and equipment required for the activity must already exist. No charge will apply for subtending services of the service being rolled over as long as there is no change to the subtending services.

- Rearranging an existing service from one multiplexer to another multiplexer.
- Rearranging an existing lower speed service to an existing multiplexed higher speed service.
- Rearranging an existing service to the dedicated ring configuration of SONET Ring and Access Services. (N)
- When the existing service is rolling to a SONET Ring and Access Service with a Rate Stability Payment Plan of 5 Years, the customer will receive a credit equal to the change charge applicable to a rollover with no change in termination. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(4) Record Transfer Charge

Record transfer nonrecurring charges are applicable under the following condition:

(T)

(D)

(D)

(a) Upon receipt of a request to transfer billing and circuit provisioning records from Pacific Bell to an Interexchange Carrier.

(T)

(T)

Record transfer charges are based on the nonrecurring charges associated with the work activities required to accomplish the changes.

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)

7.4.2 Special Access Service Surcharge (Cont'd)

(T)

(C) Self Reporting

(L)

In order for the Utility to determine the application of the surcharge with respect to specific services, the customer must report the intended use of all services when placing orders for Special Access Service. In addition, when ordering high capacity digital services, the customer must also report the use for each voice equivalent channel of the high capacity service. When any service or channel of a service is reported to be the used in any manner described in (B) preceding, the surcharge will not apply. If the intended use is not reported, the Utility will automatically bill the appropriate surcharge on each Special Access Service installed.

The Utility reserves the right to audit the use of the service at any time. If the service is found to be used for a type of operation other than that reported by the customer, and a surcharge would apply for that type of operation, the Utility will notify the customer and will begin to apply the surcharge.

(D) Crediting the Surcharge

If, at any time after the installation of a service which is subject to the surcharge, the customer reports that the service is being used in association with a Switched Access Service that is subject to Carrier Common Line Charges, the Utility will credit the customer for the surcharge. The credit will be effective on the date that the Special Access Service became associated with the Switched Access Service.

(L)

Material on this sheet formerly on Sheet 392.

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 (Cont'd)

(T)

(E) IntraLATA Private Line Service

(N)

All intraLATA Special Access circuits, i.e. circuits which are wholly within a LATA and do not have interLATA access capability, are exempt from the Special Access Service Surcharge. In order to receive this exemption, all customers ordering intraLATA Special Access Service on or after January 1, 1995 must notify the Utility according to the self reporting procedure described in (C) preceding. All intraLATA service provisioned prior to January 1, 1995 will automatically receive this exemption. All customers must notify the Utility if changes are made to circuits which make them no longer entitled to this exemption according to the self reporting procedure described in (C) preceding.

This exemption is necessitated by Decision 94-09-065 dated September 15, 1994, which authorized the consolidation of most of Schedule Cal.P.U.C. No. B. Private Line Services with Special Access Service contained in this tariff schedule. The surcharge does not apply to intraLATA circuits because the surcharge is intended to compensate the Utility for use of the local exchange network by Special Access Services that are classified as intrastate interLATA as described in (A) preceding.

(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 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 (C)
Term Pricing Plans, or Fiber Advantagesm DS3 or DS3x3 (C)
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 AVS-270 Video Service is 3 months.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.4 Moves

(L)x

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

(L)

- The Point of Termination at the customer's premises

(T)

- The customer's premises

(T)

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

(L)

(L)

(A) Moves Within the Same Building

(T)

When the move is to a new location within the same building, the charge for the move will be an amount equal to one half of the nonrecurring (i.e., installation) charge for the termination affected. There will be no change in the minimum period requirements.

(T)x

(B) Moves To a Different Building

(L)y

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

(L)y

x Material formerly in different form on Sheet 393.

y Material formerly on Sheet 394.

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)

7.4.5 Reserved

7.4.6 Mileage Measurement

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

(A) Two-point Service

Mileage is shown in 7.5 following in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V&H coordinates method, as set forth in The National Exchange Carrier Association (NECA) Tariff (T) F.C.C. No. 4, Sections 11 and 16. For Information on how (N) to obtain copies of the NECA Tariff see Section 14 (T) following, then find the band into which the computed mileage falls and apply the rates shown for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.6 Mileage Measurement (Cont'd)

(B) Multipoint Service

For the calculation of Channel Mileage rates, the customer may select either (1) or (2) following:

(1) Utility Specified Hub/Bridge

The mileage is the shortest combination of airline mileages which will connect the serving wire centers of the customer designated premises, each section is determined as specified in (A) preceding.

(2) Customer Specified Hub/Bridge

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

(D)

(D)

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)

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

Cascading multiplexing occurs when a high capacity digital channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed. For example, a DS3 facility is de-multiplexed to 28 DS1 facilities and then one of the facilities is further de-multiplexed to individual voice grade channels.

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

When a DS3x3 or DS3x12 is hubbed and segregated into individual DS3 services, a separate multiplexer charge is not required between the DS3x3 or DS3x12 service and the individual DS3 services, DS3 rates and charges will apply to the individual DS3 services as required (e.g., channel terminations, channel mileage and optional features if requested). If multiplexing is used to multiplex DS3x3 or DS3x12 service to DS1 service, then at least one DS3 to DS1 multiplexer is required.

z Material inadvertently omitted on Advice Letter No. 16797.

Continued

Advice Letter No. 16917

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A. E. Swan

Effective: APR 3 1994

Executive Director

Resolution No.

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 (T)
(T)
(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, and Multiplexer (T)
(T)

Material omitted now on Sheet 308.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

- 7.4.8 Shared Use Digital High Capacity Service, SONET Ring and (T)
Access service and Optical Carrier Network (OCN) Point to (N)
Point service (Cont'd) (N)

rates will be reduced accordingly (e.g., 1/24th for a DS1 (L)
service, 1/672nd for a DS3 service, 1/2016th for DS3x3 or OC3
service, 1/8064th for OC12 or equivalent service, etc). The
customer must place an order for each individual Switched or
Special Access Service utilizing the Shared Use Facilities and
specify the channel assignment for each service. (L)

Switched Access Service rates and charges as set forth in
Section 6.8 preceding will apply for each channel of the shared
use facility that is used to provide Switched Access Service.
Where Special Access Service is provided utilizing a channel of
the shared facility to the Hub, High Capacity rates and charges
will apply for the facility to the Hub forth preceding and
individual service rates and charges will apply from the Hub to
the customer designated premises. The rates and charges that
will apply to the portion from the Hub to the customer
designated premises will be dependent on the specific type of
Special Access Service that is provided (e.g., Voice Grade,
Telegraph, etc.). The applicable rates and charges will
include a Channel Termination and Channel Mileage, if
applicable. Rates and charges for optional features and
functions, if any, associated with the service, if any, will
apply as set forth in 7.5 following.

(L) Formerly on Sheet 307.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.9 Split Billing Arrangement

Split Billing Arrangement allows for the interconnection of two or more different customer's Special Access Services in Utility Serving Wire Centers for billing purposes only. This arrangement is only available when a service is hubbed for multiplexing (e.g., DS3 to DS1 or DS1 to DSO) and each customer must have a minimum of one channel termination at their designated premises. Separate billing arrangements for Shared Network Arrangement associated with SONET Ring services are set forth in 7.4.12 and 7.4.15 following.

(N)
|
(N)

Hubbing locations are set forth in 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.

Each customer may order their individual service(s) separately from the Utility. However, the customer with the higher bit rate service (e.g., DS3 or DS1) must provide the channel assignment to the customer with the lower bit rate service prior to the ordering of the lower bit rate service.

Each customer will be billed the applicable tariff rates and charges set forth in 7.5 following, for their individual service(s). Multiplexing will be billed to the customer with the higher bit rate service.

The customer that controls the higher bit rate service shall be the primary customer for reporting service outages. Out of service adjustments will be handled in accordance with Credit Allowance for Service Interruptions as set forth in Section 2.4.4 preceding.

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 (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)

(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) (T)

(B) Termination Liability Charges for Payment Plans (N)

(1) Termination Liability for DS1 1.544 Mbps Service Term Payment Plans

Customers requesting the termination of a TPP prior to the expiration date, excluding TPP terminated as a result of a renegotiation, will be charged a termination charge as indicated below. These charges shall become due and owing as of the effective date of the termination and are payable within 30 days of the bill date, subject to interest penalty on the unpaid balance.

The customer's termination charge shall be equal to all waived and/or unpaid nonrecurring charges at currently effective month to month rates, plus 50% of the remaining months multiplied by the monthly recurring charges.

(N)

(2) Termination Liability Charges For Fiber AdvantageSM DS1, DS3, DS3x3 And DS3x12 Rate Stability Payment Plans. (T)(L)

Minimum Periods for Fiber AdvantageSM DS1, DS3, DS3x3 and DS3x12 service apply as set forth in Section 5.2.5 and Section 7.4.3 preceding.

For Rate Stability Payment Plans (e.g. 1, 3 and 5 year plans) discontinued prior to the end of their Payment Plan period, the Termination Liability Charges will apply as follows:

For Rate Stability Payment Plans discontinued prior to the end of the first year of the Rate Stability Payment Plan period, the customer will be liable for 75% of the total monthly charges for the unexpired portion of the first year of service. In addition, the customer will be liable for 70% of the second year, 60% of the third year, 50% of the fourth year and 40% of the fifth year, of the total monthly charges for the remaining portion of the Rate Stability Payment Plan.

(L)

(L) Material Formerly on Sheet 308-B.

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 (N)

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

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. (T)

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.

Material omitted now on Sheet 308-C-1.

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)

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

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 chooses begins on the service order completion date and is treated as a new Rate Stability Payment Plan period.

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. (L)

(L) Formerly on Sheet 308-C.

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)

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

- 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)

(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)

(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 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*

(L)

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, and GigaMANsm in Section 7.2.1, and Optical Service Network (OCN) Point to Point Service in Section 7.4.17. 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 18.27 following.

(T)

(T)

(L)

* See General Regulations 2.1.4(C) and (D) preceding.
(L) Formerly on Sheet 308-E.

(L)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.12 SONET Ring and Access Services

(N)

Terms and Conditions

(A) 1, 3 and 5 Year Rate Stability Payment Plans and Termination Liability Charges

The Utility provides 1, 3 or 5 Year (term) Rate Stability Payment Plans (RSPP). For the dedicated ring configuration Rate Stability Plan Payment Plans have three and five year terms; for the circuit service the Rate Stability Payment Plans have 1, 3, and 5 year terms. The RSPP allows the customer to order service at rates commensurate with the length of the term. If rates decrease during a RSPP term, the new rate, if it is lower, would automatically apply to the remainder of the fixed term. At the end of the RSPP, the customer may order a new Rate Stability Payment Plan, terminate service or, if no choice is made, the service will convert to monthly rates corresponding to the equivalent term just expired, subject to any future rate changes. If a customer does not complete the time period or term of the RSPP, Termination Liability Charges will apply, unless exceptions are met as listed in the following.

If a customer chooses to discontinue the Rate Stability Payment Plan prior to the completion of the term period, termination liabilities will apply with the exception of the following early release option. With this option, a customer under a 5 Year RSPP term, giving 6 months notice prior to disconnecting service after the start of the 48th month of the RSPP, will be released from the Termination Liability Charges.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.12 SONET Ring and Access Services (Cont'd)

(N)

(A) 1, 3 and 5 Year Rate Stability Payment Plans and
Termination Liability Charges (Cont'd)

For Rate Stability Payment Plans discontinued prior to the end of the first year of the Rate Stability Payment Plan period the customer's Termination Liability Charge will be 75% of the total monthly charges on the unexpired portion of the first year of service. In addition, the customer will be liable for 60% of the second year, 50% of the third year, 20% of the fourth year and 15% of the fifth year of the total monthly charges for the remaining portion of the Rate Stability Payment Plan Period.

For Rate Stability Payment Plans disconnected after the end of the first year of service, the customer will be liable for payments for the unused portion of the RSPP. The Terminating Liability Charge will be calculated based upon a percentage of monthly payments remaining in the RSPP. Percentages of monthly payments due for unused service are: 60% for year two, 50% for year three, 20% for year four and 15% for year five, (e.g. a customer disconnecting after using fourteen months of a five year plan would owe: 10 months at 60%, 12 months at 50%, 12 months at 20% and 12 months at 15%).

(B) Upgrades to SONET Ring and Access Services provided through Rate Stability Payment Plans.

Customers may upgrade, when conditions are met, DS3 or DS1 at the same premises without incurring the Termination Liability Charge providing that a Rate Stability Payment Plan of equivalent or longer period is selected.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.12 SONET Ring and Access Services (Cont'd)

(C) Migration onto SONET Ring and Access Services

A period of up to six months will be established for migrating existing services onto a new dedicated ring. When services move onto the ring the customer will be billed for a prorata share of the rate elements being used (Nodes, Ports, Mileage and Dedicated Ring Fees). Use of the ring's services will be determined by an equivalent DS3 prorata share of the ring's rate element recurring charges (1/3rd of the charges for an OC3 ring, 1/12th of the charges for an OC12 ring, 1/48th of the charges for an OC48 ring) determined on a monthly basis. For example, when the customer migrates an existing DS3 service to the ring the Utility will charge a proration of the recurring charges for the ring elements and discontinue billing for the fixed and variable mileage and the related portion of the channel termination at the customer entrance facility which the SONET ring completely replaces. Existing channel termination proration applies when the existing service (i.e., DS3x3 or DS3x12) will be disconnected as part of the migration plan. At the completion of the migration period, billing will commence for all rate elements of the ring purchased by the customer (this is the commencement of the rate stability payment period). This does not apply to two point (a.k.a circuit service) configurations.

(D)

The six month migration period may be extended for an additional two months following the initial period. The extension must be agreed upon by the customer and the Utility. Either party can request an extension to deal with developing situations. For example, if either party cannot meet the ring provisioning dates, or rollover of existing services to the ring, due to circumstances beyond their control during the initial migration period (e.g., labor disputes, resource limitations, or natural disasters), either party can request an extension. Both parties must cooperatively plan a new timeline that will not exceed two months from the date of the extension agreement.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.12 SONET Ring and Access Services (Cont'd)

(N)

(D) Renewal of SONET Ring and Access Services Rate Stability Payment Plans

At the end of the term of a RSPP the customer may renew its RSPP without incurring the payment of a nonrecurring charge, if the physical serving arrangement is not changed. If a plan is not renewed, service will continue on a month to month basis with the rates as specified in 7.4.11 above.

With an increase in bandwidth capacity and no change in locations receiving service, the customer can forego payment of existing Terminating Liability Charges. New Terminating Liability Charges based on the term of service chosen will apply for the new Rate Stability Payment Plan chosen by the customer.

(E) Change of SONET Ring and Access Services Rate Stability Payment Plan

The customer also has the option to change the current payment plan to an equivalent or longer payment plan (e.g., 1 year to 3 year) without incurring the Termination Liability Charge applicable to the current Rate Stability Payment Plan or new nonrecurring charges applicable to the new equivalent or longer payment plan, if other aspects of the service and facilities remain unchanged. The new equivalent or longer Rate Stability Payment Plan of the customer begins on the service order completion date and is treated as a new Rate Stability Payment Plan period.

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.

(N)

Continued

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Executive Director

Resolution No.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.12 SONET Ring and Access Services (Cont'd)

(L)

(F) Portability

No Termination Liability Charge will apply to the disconnect of a Local Loop Access Link or channel termination if a like service with the same bandwidth capacity and the same RSPP term is added to the same dedicated ring. The disconnect and new connect orders must be concurrent and related to insure that the termination liability can be suppressed for the disconnect order.

(G) Service Transition from Individual Case Basis (ICB) Contracts to Tariffed Service

When a customer's ICB DS3 or OC3/c service is terminated and the customer chooses to convert to tariffed service from 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 (RSPP) 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 RSPP to avoid a Termination Liability Charge under the tariffed RSPP.

In this example, in the event the customer terminates service prior to 24 months, Termination Liability Charges will apply for the remainder of the RSPP period. The customer also has the option to move into a shorter RSPP described in (E) preceding. In either case, no nonrecurring or Termination Liability Charges shall apply to the ICB contract arrangement.

(L)

(L) Material formerly located on Sheet 308-J.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.4. 12 SONET Ring and Access Services (Cont'd)

(H) SONET Multiplexing

(L)

There is no SONET multiplexing arrangement for bandwidth capacities above 51 Mbps.

(I) Protected Services

Within the Utility network, SONET services are protection switched. The provisioning of premises access ports, either OC3c or OC12c, is a non-protected drop, e.g. one pair of fibers at the network interface.

(L)

(J) OC12c/622 Mbps Bandwidth Service

(L)x

OC12c/622 Mbps Bandwidth Service is provisioned via access ports on a SONET OC48 Node.

(1) OC12c/622 Mbps Bandwidth Service can originate and terminate on a Dedicated SONET OC48 Ring, e.g., provide a point-to-point service between two premise nodes on a dedicated ring, or

(T)

(T)

(2) OC12c/622 Mbps* Bandwidth Service can originate on a Dedicated SONET OC48 Ring and terminate in the Utility Central Office, traversing available SONET IOF. Applicable, chargeable recurring mileage is the distance between the central offices with the customer's CO Node and the endpoint CO node.

(T)

(L)x

* STS12 is manufactured discontinued and grandfathered to existing customers.

(L)x

(L)x

(L) Material formerly located on Sheet 308-J-1.

(L)x Material formerly located on Sheet 308-J-2.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.12 SONET Ring and Access Services (Cont'd)

(K) Ethernet Port^{#, @}

(L)

A nonrecurring charge as set forth in 7.5.11 following is applicable only when the Ethernet Port is ordered for an existing SONET Ring service. The nonrecurring charge for the Ethernet port will not be applicable to customers ordering a new SONET Ring service.

Effective November 26, 2003, new orders for SONET Ring Service with the Ethernet over SONET (EoS) enhancement will be served by different equipment than the equipment used for customers who placed SONET Ring Service orders that were completed prior to November 26, 2003 when the EoS option was not available. Customers subscribing to SONET Ring Service prior to November 26, 2003, subsequently requesting EoS for their existing Ring may be required to change to the new equipment, and may incur early termination charges for their existing SONET Ring Service. In these cases, disconnect of the existing SONET Ring Service and placement of an order for a new SONET Ring service with the EoS enhancement is required. The monthly rates for the new service(s) shall be those rates in effect at the time the new service(s) is installed.

(L)

Ethernet Port offering is available only as Prem Access Port.

(L)

@ Not available on SONET Ring (STS-1) service.

(L)

(L) Material formerly located on Sheet 308-J-2.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.12 SONET Ring and Access Services (Cont'd)

(L) Shared Network Arrangement

(N)

Shared Network is a service offering that enables a customer ("Service User") to connect subtending services to a SONET Ring service of another customer (the "Host Subscriber"), with the Utility maintaining separate billing for each. Each customer will be billed for those rate elements associated with their own portion of the service configuration. The Host Subscriber will be responsible for all SONET Ring Service rate elements, for example, node, ports and mileage, etc. Under no circumstances will the rates or charges for individual rate elements be split.

This offering is limited to service configurations where a Service User orders a subtending service dropped from a Host subscriber's SONET Ring wire center node. Under Shared Network, the Utility may share record information with the Host Subscriber pertaining to the services of other users of the shared network. Such disclosure will be under the sole discretion of the Utility and is necessary to perform billing reconciliation and/or other functions required in connection with maintaining account records.

Rates for Shared Network Arrangement are set forth in Section 7.5.11 (I) following.

(N)

Material omitted now on Sheets 308-J and 308-J-1.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.15 OC-192 Dedicated SONET Ring Services (Cont'd)

(N)

(1) Rate Elements

(A) Nodes

The ring will provide connectivity to multiple customer designated locations (nodes). However, a ring must have a minimum of two nodes. At least one must be a Utility Central Office (CO) node, but not both. A maximum of 16 nodes including regenerators will be allowed per ring. The Utility reserves the right to determine the order of the nodes on the ring.

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

If a customer collocates two customer premises nodes of the same speed, on the same dedicated ring, on the same premises, the additional node will be billed as shown in 7.5 following. This option does not guarantee diversity between these two collocated nodes and the rest of the ring.

The customer will be billed on a time and material basis as set forth in Section 13 preceding for any additional charges incurred by the Utility in locating Utility equipment at the customer premises.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

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

(1) Rate Elements (Cont'd)

(B) Add/Drop Capability

This 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.

(C) Ports

Ports provide access to the ring and to lower speed channels (DS-3, OC-3, OC-3c, OC-12, OC-12c, OC-48, OC-48c*, 100 Mbps and 1 Gbps Ethernet between nodes. Lower speed channels are accessible at nodes via port terminations.

Accepted interfaces are as follows:

OC-192 Node
OC-3 Ports
OC-12 Ports
OC-48 Ports
100 Mbps Ethernet Ports (STS-1)
100 Mbps Ethernet Ports (STS-3c)
1 Gbps Ethernet Ports (STS-3c)
1 Gbps Ethernet Ports (STS-12c)
1 Gbps Ethernet Ports (STS-24c)

OC-3, OC-3c, OC-12 and OC-12c, and may be ordered at CO (T)
 nodes. 100 Mbps Ethernet Ports are only available as Prem Access (N)
 Ports. (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 Premises Port to Port orders. OC-48c service cannot be extended beyond the Customer location nodes. OC-48 riding service will not be available immediately.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

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

(1) Rate Elements (Cont'd)

(D) Mileage

Mileage is charged as specified in 7.2.9, preceding. 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.

(E) Ring Regenerator

Regenerators provide essential detection and retransmission of the SONET Optical 9.953 Gbps signal 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 COs and do not allow ports to access customer service connections. (T)

Continued

ACCESS SERVICE

7. Special Access Services (Cont'd)

7.4 Rate Regulations (Cont'd)

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

(1) Rate Elements (Cont'd)

(F) Dedicated Ring Connection Capacity

Maximum transport capacity of OC-192 Dedicated SONET Ring Service is characterized by the total quantity of individual port-to-port connections allowed between all nodes on the ring.

For OC-192 Dedicated SONET Ring Service, the maximum ring capacity between adjacent nodes is not to exceed 96 STS-1 equivalents.

OC-192 Dedicated SONET Ring Service will provide capability for node-to-node connections of STS-1 or STS-3C channels using OC3, OC-3c, OC-12, OC-12c, OC-48 or OC-48c ports on the OC-192 ring.

OC-192 Dedicated SONET Ring Service will provide capability for node-to-node connections of STS-12C channels using OC-12c channels using OC-12c or OC-48c ports on the OC-192 ring.

OC-192 Dedicated SONET Ring Service will provide capability for node-to-node connections of STS-48Cc channels using OC-48c ports on the OC-192 ring.

(G) Ethernet Port*

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.

(N)
|
(N)

* Ethernet Port offering is available only as Prem Access Port.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

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

(N)

(2) Term Pricing Plan

(A) 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.

(B) 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.

(C) 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.

(D) 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.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

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

(2) Term Pricing Plan (Cont'd)

(E) 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:

- (1) The minimum period for the new TPP must be greater than the remaining period currently in effect and
- (2) 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.

(F) Ethernet Port*,#

(N)

Effective November 26, 2003, new orders for OC-192 Dedicated SONET Ring Service with the Ethernet over SONET (EoS) enhancement will be served by different equipment than the equipment used for customers who placed OC-192 Dedicated SONET Ring Service orders that were completed prior to November 26, 2003 when the EoS option was not available. Customers subscribing to OC-192 Dedicated SONET Ring Service prior to November 26, 2003, subsequently requesting EoS for their existing Ring may be required to change to the new equipment, and may incur early termination charges for their existing OC-192 Dedicated SONET Ring Service. In these cases, disconnect of the existing OC-192 Dedicated SONET Ring Service and placement of an order for a new OC-192 Dedicated SONET Ring service with the EoS enhancement is required. The monthly rates for the new service(s) shall be those rates in effect at the time the new service(s) is installed.

(N)

* Not available on OC-192 Dedicated SONET Ring (STS-1).

(N)

Ethernet Port offering is available only as Prem Access Port.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

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

(N)

(2) Term Pricing Plan (Cont'd)

(F) 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.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

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

(N)

(3) 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.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

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

(4) Moves

(A) Moves within a Customer's Premises

A move involves a change in the physical location of the Point of termination on the customer's premises. Such moves will be treated as an extension of OC-192 Dedicated SONET Ring facilities. Extension of OC-192 Dedicated SONET Ring facilities will be provided, at the customer's request, on a time-sensitive charge basis. The labor rates that apply are set forth in Section 13 following. There will be no change in the TPP term requirements.

(B) Moves of OC-192 Dedicated Ring Nodes

Moves of OC-192 Dedicated SONET Ring nodes will be provided, at the customer's request, on a time-sensitive charge basis. The charge will not exceed the Nonrecurring Charge for subsequent installation, as specified in Section 7.5.12 (A) following, for the specific OC-192 Dedicated SONET Ring node being modified. Labor rates as set forth in Section 13 following are applicable.

Where facilities and operating conditions are not available, Special Construction charges as set forth in Section 15 following may apply.

No change in billing period is required. Termination charges will not apply to moves of OC-192 Dedicated SONET Ring nodes. Termination charges will not apply to moves of Dedicated SONET OC-192 Ring nodes.

(N)

(N)

Continued

ACCESS SERVICE

7. Special Access (Cont'd)

7.4 Rate Regulations (Cont'd)

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

(5) Upgrade to OC-192 Ring Service from Lower Speed Services

Customers with three or five year Rate Stability Payment Plan (T)
 three or five year Rate Stability Payment Plans may at any time
 upgrade from a SONET Ring and Access service OC-48 Ring to a
 OC-192 Dedicated SONET Ring service without incurring Termination (T)
 Liability charges for the customer's existing OC-48 service (N)
 providing the following criteria are met*:

- The customer subscribes to a Term Pricing Plan period that is
 equal to, or greater than 36 months; (T)
- The expiration date for the new Term Pricing Plan period is
 beyond the end of the original Term Pricing (Rate Stability)
 Plan period; (N)
- No lapse in service occurs; (N)
- 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/are installed;
- The new service is provided between the same customer locations
 and with the same customer of record as the disconnected (N)
 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 (N)
 months after conversion; and
- Spare facilities and equipment must be available or Special (T)
 Construction charges, as set forth in Section 15 following (T)
 shall apply.

* Customer owned Prem Nodes on existing OC-48 Sonet Rings will not be (N)
 converted to the new OC-192 Ring service. These Nodes will be excluded
 from the conversion process. Utility provided Prem Nodes are required for
 O to E conversion. (N)

Material omitted now on Sheet 308-J-12-A.

Continued

ACCESS SERVICE

7. Special Access (Cont'd)

7.4 Rate Regulations (Cont'd)

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

(6) Migration onto OC192 Dedicat SONET Ring

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 OC48 Ring service will be disconnected.

(T)(L)
(L)
(N)

(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. DS1's 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.

(N)

* Central Office Multiplexing as set forth in Sections 7.1 and 7.2 preceding. (N)
(L) Formerly on Sheet 308-J-12.

Continued

ACCESS SERVICE

7. Special Access (Cont'd)

7.4 Rate Regulations (Cont'd)

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

(N)

(7) Shared Network

Shared Network is a service offering that enables a customer ("Service User") to connect subtending services to an OC-192 Dedicated SONET Ring service of another customer (the "Host Subscriber"), with the Utility maintaining separate billing for each. Each customer will be billed for those rate elements associated with their own portion of the service configuration. The Host Subscriber will be responsible for all OC-192 Dedicated SONET Ring Service rate elements, for example, node, ports and mileage, etc. Under no circumstances will the rates or charges for individual rate elements be split.

This offering is limited to service configurations where a Service User orders a subtending service dropped from a Host subscriber's OC-192 Dedicated SONET Ring wire center node. Under Shared Network, the Utility may share record information with the Host Subscriber pertaining to the services of other users of the shared network. Such disclosure will be under the sole discretion of the Utility and is necessary to perform billing reconciliation and/or other functions required in connection with maintaining account records.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4. Rate Regulations (Cont'd)

7.4.13 Education First

x

The installation and monthly charges for Special Access DS1 (Advanced Digital Network or High Capacity Service) in connection with the provisioning of PRI ISDN used for data and video applications associated with distance learning shall be waived for a period of one (1) year for Public Schools, Libraries, and Community Colleges as well as Private Schools, as defined in Schedule Cal.P.U.C. No. A2 participating in the Education First Program. A private or Public School, Library, or Community College may request this special waiver from the effective date of this tariff revision through December 31, 1977.

At hub locations participants changing from Basic Rate Interface (BRI) to Primary Rate Interface (PRI) may not benefit from the waiver of charges for more than one year from the initial installation date of the BRI service. Any participant desiring to withdraw from the program may do so at any time.

x - Correction

Continued

Advice Letter No. 19484

Issued by

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Decision No.

A.E. Swan

Effective **AUG 25 1998**

Executive Director

Resolution No.

ACCESS SERVICE

7. Special Access Service (Cont'd)

(N)

7.4 Rate Regulations (Cont'd)

7.4.14 Video Service

(A) Video Hubs

The Utility will designate certain Hubs for bridging Video 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 7.5.5 following, for a Channel Termination, Optional Features and Functions, and Channel Mileage, as applicable. 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. By ordering a Service Through-Connect, applicable Video Services of different customers can be connected in a two-point service configuration with each customer being billed for its portion of the service.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

(N)

7.4 Rate Regulations (Cont'd)

7.4.14 Video Service (Cont'd)

(B) Video Pricing Plans

Video Pricing Plans (VPP) provide the customer with rate stabilization and discounted tariff rates.

Rates and charges for Video Pricing Plans are offered with a 1, 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 be in effect. If the Utility initiates rate changes resulting in a decrease of rates for an existing service with a 1, 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 serviced period unless mandated by the California Public Utilities Commission.

The customer has the option to order a Video Payment Plan for each individual rate element available under VPP.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

(N)

7.4 Rate Regulations (Cont'd)

7.4.14 Video Service (Cont'd)

(C) Renewal Plan for Video Pricing Plans

At the end of the Video Pricing Plan, the customer may renew with a written notice of intent to renew provided to the Utility no later than 60 days prior to its expiration, 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.

The renewal rates will be the rates in effect on the date of renewal. The renewal date is the date on which the VPP that is being renewed, expires.

If the customer elects not to renew the CPP or does not notify the Utility of its intent to renew the VPP, the customer's service will immediately revert to monthly service at the tariffed rates for monthly service in effect at the time the VPP expires. The customer will not be charged any associated nonrecurring charges as long as the physical serving arrangement does not change.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

(N)

7.4 Rate Regulations (Cont'd)

7.4.14 Video Service (Cont'd)

(D) Change of Video Pricing Plans

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 years) without any Termination Liability Charges applicable to the current VPP 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 VPP the customer chooses begins on the service order completion date and is treated as a new Video Pricing Plan period.

Customers may change to a short VPP by paying the associated Termination Liability Charges with the current VPP. The rates that will apply will be the current rates in effect for the VPP ordered on the date of conversion. However, no new nonrecurring charges will apply.

(E) Other Changes to Video Pricing Plans

Any change to a VPP arrangement not otherwise permitted by the regulations, shall constitute a discontinuance of the existing service and all applicable Termination charges shall apply. The new service will be subject to all applicable rates and charges (i.e., recurring, nonrecurring, and termination) in effect on the date of the service change.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

(N)

7.4 Rate Regulations (Cont'd)

7.4.14 Video Service (Cont'd)

(F) Termination Liability Charges - Video Pricing Plans.

Minimum periods for Video Pricing Plans shall apply as set forth in Section 5.2.5 and 7.4.3, preceding.

For VPPs (e.g., 1, 3, and 5 year plans) discontinued prior to the end of their Payment Plan period, the Termination Liability Charges will apply as follows:

<u>VPP</u>	<u>Termination Percentage</u>
1 Year	30%
3 Years	20%
5 Years	10%

The termination charge will be calculated as follows:

VPP X Months remaining X Termination
Monthly Rate in VPP Percentage

= Termination Charge.

(N)

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.

(N)

(N)

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.16 GigaMAN[®] Service (Cont'd)

(T)

(1) Term Pricing Plans (Cont'd)

(T)

(B) Renewal of Term Pricing Plan

At the end of a Term Pricing Plan, the customer may renew with a written notice of intent to renew no later than 90 days prior to its expiration, for any TPP in effect without incurring new nonrecurring charges.

If the customer elects not to renew the TPP or does not notify the Utility of its intent to renew the TPP, the service will automatically be billed under the Monthly Extension rates in effect at the time the TPP expires until the customer cancels or renews the service with a new TPP term. Subsequently, customers under the Monthly Extension rates may convert their existing service to either a 1, 2, 3, or 5 year TPP. The customer will not be assessed any associated nonrecurring charges as long as the physical serving arrangement does not change.

(N)

Monthly Extensions are not available to new service.

Effective for the period November 13, 2003 through November 13, 2004, customers may renew an expired Term Pricing Plan as set forth in 2 (A) following.

(N)

(N)

(C) Change of Term Pricing Plan

At any time a customer may change an existing TPP to a new TPP only when the new TPP payment period is longer than the remaining period currently in effect, without any Termination Liability Charges or nonrecurring charges applying as long as all other aspects of the service and facilities remain unchanged. The new TPP begins on the service order completion date and is treated as a new TPP period.

Customers may change to a shorter TPP by paying the associated Termination Liability Charges with the current TPP. The rates that will apply will be the current rates in effect for the TPP ordered on the date of conversion, however no new nonrecurring charges apply as long as all other aspects of the service and facilities remain unchanged.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.16 GigaMAN[®] Service (Cont'd)

(1) Term Pricing Plans (Cont'd)

(D) Other Changes to Term Pricing Plans

Any change to a TPP arrangement not otherwise permitted shall constitute a discontinuance of the existing service and all applicable Termination Liability Charges shall apply. The new service will be subject to all applicable rates and charges (e.g., nonrecurring, recurring, and termination) in effect on the date of the service change.

(E) Termination Liability Charges

Minimum periods for Term Pricing Plans shall apply as set forth in Sections 5.2.5 and 7.4.3 preceding. (T)

For a TPP discontinued prior to the end of its payment plan period, excluding Term Pricing Plans terminated as a result of renegotiations, the Termination Liability Charge shall apply as follows: (N)

All unpaid Special Construction or nonrecurring charges (excluding any waived charges), (N)

plus

Fifty to one hundred percent (50% to 100%) of all recurring charges of the remaining months of the customer's term as follows: (N)

<u>Term Pricing Plan</u>	<u>Termination Percentage</u>
1 year	100%
2 Years	100% for first year 50% for each subsequent year
3 years	100% for first year, 50% for each subsequent year.
5 years	100% for first year, 50% for each subsequent year.

The termination charge is calculated as follows:

$$\text{Months remaining in Term Pricing Plan} \times \text{Recurring Charges} \times \text{Termination Percentage} = \text{Termination Charge}$$

(N)
(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.16 GigaMAN[®] Service (Cont'd)

(2) Rate Regulations

(A) Changes

(1) Effective January 5, 2004, and concurrent with the removal of the 31 mile (29dB loss) limitation, new subscriptions to GigaMAN[®] service will be served by different equipment than the equipment used for subscribers who placed orders that were completed prior to January 5, 2004. (T)

Customers subscribing to GigaMAN[®] service prior to January 5, 2004 will remain on their current equipment unless, as a result of a Utility change in the service as set forth in 2.1.7 Changes and Substitutions preceding, the Utility deems it necessary to modify the customers existing service requiring new equipment. (T)

Diversity and Protection Options are not available to customers served by the pre-January 5, 2004 equipment completion date. A customer's request to change to the post-January 5, 2004 equipment introduction will be treated as disconnect of the service requiring the customer to place a new order for GigaMAN[®] service, and Termination Liability will be applicable for the customer's disconnected service. (T)

Customers subscribing to GigaMAN[®] service prior to January 5, 2004, may request a change to the new equipment for the purpose of ordering Diversity or Protection Options without incurring the Early Termination Liability charges for their existing GigaMAN[®] service, providing the following criteria are met, contingent upon the availability of fiber from premises to premises. Customers with less than 18 months of existing GigaMAN[®] service will not be eligible to have Termination Liability waived. (T)

- The customer subscribes to a new Term Pricing Plan period that is greater than the remaining months in the existing term Payment Plan,

- Nonrecurring charges will apply where applicable,

With this change, the customer will experience an Out of Service condition. (N)

Continued (N)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.16 GigaMAN® Service (Cont'd)

(2) Rate Regulations (Cont'd)

(A) Changes (Cont'd)

(1) (Cont'd)

- The new service is provided between the same customer locations requiring a disconnect of the existing GigaMAN® service and placement of an order for the new GigaMAN® service for the same customer of record as the disconnected service,
- Spare facilities and equipment must be available or Special Construction charges, as set forth in Section 15, following, shall apply.

The monthly rates for the new service(s) shall be those rates in effect at the time the new service(s) is being installed requiring a disconnect of the existing GigaMAN® service and placement of an order for new GigaMAN® service.

- (2) Effective for the period January 5, 2004 through November 13, 2004, customers served by the equipment available prior to January 5, 2004 may renew an expired Term Plan with a new Term Plan not to exceed three (3) years and may remain on the existing GigaMAN® equipment. (T)

If, however, during the new three year Term Plan the customer orders any optional features requiring the new equipment that became available after January 5, 2004, the rules set forth under Rate Regulations (A)(1) above for changing are applicable. (T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.16 GigaMAN[®] Service (Cont'd)

(2) Rate Regualtions (Cont'd)

(A) Changes (Cont'd)

(3) For the period November 13, 2003 through November 13, 2004, requests for renewal to a five (5) year Term Plan will require customers to order a new GigaMAN[®] service that is on the new equipment that was made available effective November 13, 2003, and an order for new service must be placed for the desired five year Term Plan. Concurrent with installation of the new five 5 Year Term plan for GigaMAN[®] service, the customer's expired Term Plan GigaMAN[®] service will be disconnected. All nonrecurring charges will apply for the new service. Spare facilities and equipment must be available or Special Construction charges, as set forth in Section 15, following, shall apply.

(4) For GigaMAN[®] service installed without Protection and customers subsequently request Protection options after the GigaMAN[®] order has been completed, and customer premises locations remain the same, a change to the customer premises based Utility equipment is required. This change will be treated as an upgrade to the GigaMAN[®] service, and a new non-recurring charge is applicable. This change will require a disconnect of the existing GigaMAN[®] service and placement of an order for the new GigaMAN[®] service for the same customer of record. With this upgrade the customer will experience an Out of Service condition.

(N)

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.16 GigaMAN[®] Service (Cont'd)

(L)

(B) Repeater

GigaMAN[®] service will be designed with a minimum of one repeater at no additional charge to the customer. Additional repeaters determined necessary by the Utility will be charged at rates set forth in 7.5.13(C) following.

(T)(L)

When Protection Options as set forth in Section 7.2.13(C)(4) preceding, are ordered, additional repeaters may be necessary on the protected path as determined by the Utility. The Repeater rate element will be applied to a protected circuit per fiber pair.

(N)

(N)

(C) Mileage

(T)(L)

For the Inter-Wire Center Diversity offering, Interoffice mileage will be calculated between the Intermediate Serving Wire Centers along the circuit path of the Diversely routed GigaMAN[®] service.

(L)

For protected GigaMAN[®] service, mileage charges are applicable on both paths of the protected service.

(N)

(N)

(D) Moves

(L)

(1) Customers whose orders for GigaMAN[®] service were completed prior to January 5, 2004 may make the following moves when spare fiber facilities are available or Special Construction charges as set forth in Section 15 following will apply, and allow for the service to be temporarily interrupted during the move:

(N)

(N)

- may move one Channel Termination of a GigaMAN[®] service to another premises in the same LATA and keep the Term Plan in force without assessment of Early Termination Liability, provided no lapse in billing occurs.

(L)

(L)

Non recurring charge as appropriate are applicable, and a change in monthly charges may result.

(N)

(N)

-

(D)(L)

(D)

- who move both ends of the service concurrently, the customer will be liable for Termination Liability charges as this is considered a complete disconnect of the service.

(T)

(L)

(L) Formerly located on Sheet 308-S.

Continued

ACCESS SERVICE

8. Special Access Service (Cont'd)

7.5 Rate Regulations (Cont'd)

7.4.16 GigaMAN[®] Service (Cont'd)

(N)

(D) Moves (Cont'd)

- (2) Customers whose orders for GigaMAN[®] service were completed after January 5, 2004:

GigaMAN[®] customers subscribing to two (2), three (3) and five (5) year Term Pricing Plans may move one end of the GigaMAN[®] service per the following regulations:

- (a) may move one end of the GigaMAN[®] service to a different premises in the same LATA without incurring the Early Termination Liability charges for their existing GigaMAN[®] service, providing the following criteria are met, contingent upon the availability of fiber from premises to premises. Customers with less than 12 months (for the 2 Year Term Plan), 15 months (for the 3 Year Term Plan), and 18 months (for the 5 Year Term Plan) of existing GigaMAN[®] service will not be eligible to have Termination Liability waived.

- The customer subscribes to a new Term Pricing Plan period that is greater than the remaining months in the existing term Payment Plan,
- Nonrecurring charges will apply where applicable,
- Spare facilities and equipment must be available or Special Construction charges, as set forth in Section 15 following shall apply.

The moved service will require a disconnect of the existing GigaMAN[®] service and placement of an order for the new GigaMAN[®] service for the same customer of record as the disconnected service.

The monthly rates for the new service(s) shall be those rates in effect at the time the new service(s) is being installed requiring a disconnect of the existing GigaMAN[®] service and placement of an order for new GigaMAN[®] service.

(N)

Continued

ACCESS SERVICE

9. Special Access Service (Cont'd)

Rate Regulations (Cont'd)

7.6

7.4.16 GigaMAN[®] Service (Cont'd)

(D) Moves (Cont'd)

- (2) Customers whose orders for GigaMAN[®] service were completed after January 5, 2004: (Cont'd)

GigaMAN[®] customers subscribing to two (2), three (3) and five (5) Year Term Pricing Plan may move one end of the GigaMAN[®] service per the following regulations: (Cont'd)

- (b) The GigaMAN[®] service was installed with Protection options and the customers subsequently requests a move of the Channel Termination within the same building afterwards. This request may require a change to the customer premises based Utility equipment which will be determined by the Utility. Nonrecurring charges are applicable in the amount of one-half the Nonrecurring charge for the Channel Termination. With this upgrade the customer will experience an Out of Service condition.

(E) Power Protection

Power Protection is applicable on a per equipment bay capacity basis, per customer premises, and depending upon the number of GigaMAN[®] services for the GigaMAN[®] customer of record, the Utility will determine how many Power Protection rate elements are applicable. One or more Power Protection rate elements may apply per customer premises.

(N)

(N)

Material omitted now located on Sheet 308-R-5.

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)

The rate elements for OCN Point-to-Point Service are as follows:

(A) Channel Termination/Local Distribution Channel (LDC)

Channel Terminations/LDC's are offered only without Utility provided and maintained terminal ADM equipment at the customer designated premises and will hand off basic 2-fiber or 4-fiber optical cables, depending upon the feature (as ordered). One Channel Termination (LDC) is applied per customer designated premises where the channel is terminated.

OC-3/OC-3c, OC-12/OC-12c, OC-48/OC-48c, and OC-192/OC-192c Channel Terminations (LDCs) provide point-to-point optical connection between the Utility Serving Wire Center (SWC) and the customer premises. (N)

The customer is required to provide an ADM that is compatible with the Utility Serving wire center ADM as is described in Tech-Pub GR-253-CORE.

All Channel Terminations/Local Distribution Channels comprising a channel must have the same terminating bit rate unless multiplexing is performed at a Utility hub location.

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)

(B) Channel Mileage/Interoffice Transport

Channel Mileage/interoffice transport is available with:

- OC-3/OC-3c Channel Terms
- OC-12/OC-12c Channel Terms
- OC-48/OC-48c Channel Terms
- OC-192/OC-192c Channel Terms

(N)

In addition, Channel Mileage/interoffice transport can be connected between wire centers with Add/Drop multiplexing at a lower OC-N speed than the Channel Terminations/Local Distribution Channels, if the transport is between a lower speed Add/Drop Function and:

- another lower speed Add/Drop Function;
- another lower speed Channel Termination (LDC);
- a lower speed Dedicated Ring Port

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

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)

(C) Optional Features and Functions

The following optional features and functions are available with OCN:

Central Office features which consist of:

- Add/Drop Multiplexing (ADM)
- Add/Drop Function (ADM function)

OC-N Network Survivability which consists of:

- 1+1 Protection (OC-3/OC-3c, OC-12/OC-12c, OC-48/OC-48c, and OC-192/OC-192c) (N)
- 1+1 Protection with Cable Survivability (OC-/OC-3c, OC-12/OC-12c, OC-48/OC-48c and OC-192/OC-192c) (N)
- 1+1 Protection with Route Survivability (OC-3/OC-3c, OC-12/OC-12c, C-48/OC-48c and OC-192/OC-192c) (N)

Regenerators which consist of:

- OC-48
- OC-192

Connection Arrangements:

- Shared Network Arrangement

(1) Add/Drop Multiplexing

A Utility Serving Wire Center arrangement that allows non-concatenated OC-3, OC-12, OC-48 or OC-192 channels operating at a terminating speed of 155.52 Mbps, 622.08 Mbps, 2488.32 Mbps, 9953.28 Mbps, respectively, to add/drop a lower speed channel by using this feature along with the add/drop function as stated in (b), following. The mix of multiplexing signals cannot exceed the maximum bandwidth of the higher speed OCN circuit termination on the Utility Central Office multiplexer.

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)

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

(1) Add/Drop Multiplexing (Cont'd)

For example, OC-3 add/drop multiplexing at a Utility Serving Wire center will provide the capability to support the full add/drop function capacity of OC-3 Service bandwidth with up to 3 (three) DS3 add/drop functions or equivalently up to 3 (three) groups of 28 DS1 add/drop functions.

At the time of ordering any of the following basic rate categories, the customer must provide configuration information for the entire multiplexing option at the time the order for service is placed. In addition, concatenated services OC-3, OC-12, OC-48 cannot be ordered as offered in optional Features and Functions, Section (C) proceeding as the Utility cannot convert individual STS-1 signals to concatenated (non-channelized) channels.

OC-12 add/drop multiplexing at a Utility Serving Wire Center will provide the capability to support the full add/drop function capacity of OC-12 service bandwidth with up to four (4) OC-3 add/drop functions or up to twelve (12) DS3 add/drop functions or equivalent combinations of OC-3 and DS3 add/drop functions. (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)

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

(1) Add/Drop Multiplexing (Cont'd)

If asynchronous DS1 ports are required on an OC-12 OCN circuit, then the OC-3 add/drop multiplexing feature and associated DS1 add/drop function must be ordered in addition to the OC-12 add/drop multiplexing feature.

OC-48 add/drop multiplexing at a Utility Serving Wire Center will provide the capability to support the full add/drop function capacity of OC-48 service bandwidth with up to four (4) OC-12 add/drop functions or up to twelve DS3 add/drop functions or equivalent combination of OC-3 and DS3 add/drop functions. If DS1's are required for the OC-12 then the preceding guidelines established in 7.2.14.1 (C) can be followed.

OC-192 add/drop multiplexing at a Utility Serving Wire Center will provide the capability to support full add/drop function capacity of OC-192 service bandwidth. Up to four OC-48 add/drop functions, or up to 16 OC-12 add/drop functions, or up to 64 OC-3 add/drop functions or equivalent combinations of OC-48, OC-12 and OC-3 add/drop functions are supported.

(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)

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

(2) Add/Drop Function

The OC-3, OC-12, OC-48 and OC-192 are able to add or drop lower level signals as shown in the matrix following. The add/drop function is offered at a circuit level. For example, if a customer wants to drop one DS3 signal from an OC-12 service, one add/drop function charge for the DS3 would be applicable in addition to the OC-12 add/drop multiplexing charge.

OC-3, OC-12, OC-48 and OC-192 circuits are only able to add or drop the services that have been identified by payload content (mapping) within the bandwidth. DS1 mapped STS-1 signals are only able to connect to a DS1, and DS3 mapped STS-1 signals are only able to connect to a DS3. If a change is required it may be accomplished by the customer's CPE or through the current asynchronous environment for multiplexing of DS3 and DS1 services as set forth in Section 7.2.

The options in (1) and (2) preceding are specified by the customer and cannot be used with OC-3, OC-12 or OC-48 configured by the customer to contain a single non-channelized (concatenated) STS-3C or STS-12C signal, respectively.

ADD/DROP Function					
	DS1	DS3	OC-3	OC-12	OC-48
OC-192	No	No	Yes	Yes	Yes
OC-48	No	Yes	Yes	Yes	N/A
OC-12	No	Yes	Yes	N/A	N/A
OC-3	Yes	Yes	N/A	N/A	N/A

(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)

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

(3) OCN Point-to-Point Network Survivability

There are 3 components of OCN Network Survivability:

(a) 1+1 Protection

This option provides two identical fiber pairs that are placed in the same cable and follows the same route. If the working pair fails, traffic shifts to the protect fiber pair. This option does not protect against a fiber cable cut.

The protected OC-3/OC-3c, OC-12/OC-12c, OC-48/OC-48c and OC-192 Services are offered with four fibers in the same cable, and the protection card is activated when this option is ordered. This will allow customers to order protection if their CPE can accommodate it.

(b) 1+1 Protection with Cable Survivability

With this option, the working fiber pairs and the protect fiber pairs are located in two separate cables within the same conduit. If the working fiber pair cable experiences damage or a fiber cut, transmission will switch to the protect fiber pair in a separate cable. Since these cables are located in the same conduit, if the conduit is cut, there is no protection.

This option provides 1+1 protection and additional loop survivability as the working fiber pair and protect fiber pair are in separate cables within the same conduit.

(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)

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

(3) OCN Point-to-Point Network Survivability (Cont'd)

(c) 1+1 Protection with Route Survivability

This option will provide 1+1 protection and offer additional protection from fiber cable cuts by routing the working fiber pair via the primary route and the protected fiber pair via a physically diverse alternate route.

The protected fiber is billed on a distance sensitive basis, in addition to the protection optical rate and is based on quarter route miles, from the customer premises to the serving wire center. This option assures 100 percent availability of the service. Any service interruption on the protected portion will result in a credit as set forth in section 2.4 preceding.

If the interruption occurs on a Channel termination/Local Distribution Channel without this option, normal terms and conditions for out of service credits as stated in 2.4.4 preceding will apply.

An interruption period will start when an inoperative service is reported to the Utility, and end when the service is restored. The total credit allowance available to the customer regardless of the number of service interruptions within the billing period will not exceed 100% of the monthly rates of the affected service.

(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)

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

(3) OCN Point-to-Point Network Survivability (Cont'd)

(c) 1+1 Protection with Route Survivability (Cont'd)

All other terms and conditions for Credit Allowances as stated in 2.4.4 preceding, will apply.

Prior to confirming an order for service, the Utility will provide a proposed route diagram to the customer. The diagram will include the number of quarter route miles and method used to support the quantity needed to provide the alternate route. In order to avoid compromising Route Survivability information, the Utility will provide this information only to the ordering customer.

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

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

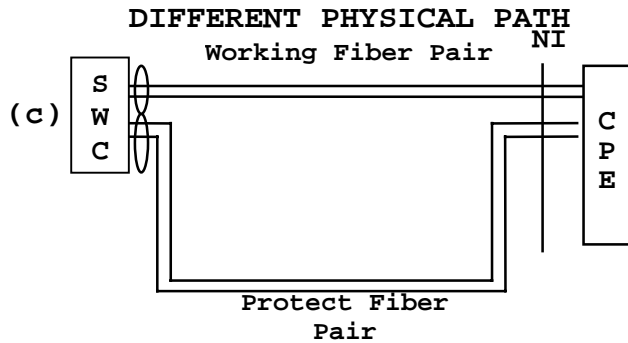
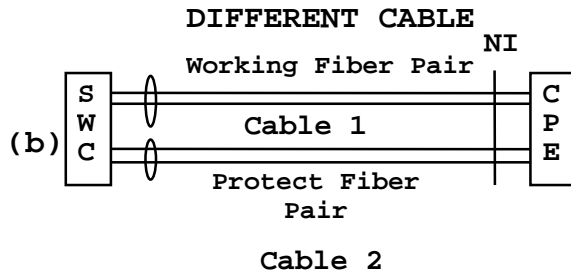
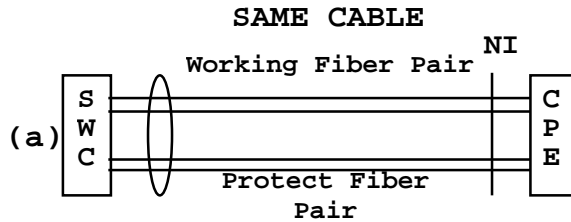
7.4 Rate Regulations (Cont'd)

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

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

(3) OCN Point-to-Point Network Survivability (Cont'd)

The following diagrams provide an example of (a), (b) and (c) preceding:



(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)

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

(4) Point-to-Point OC-48 and OC-192 Regenerator

Regenerators provide essential detection and retransmission of SONET Optical 2488.32Mbps and 9953.28 Mbps signals between customer premises. Regenerators will only be provided as required by the Utility when actual fiber facility distances between customer designated premises and/or Utility central office locations exceed design limits (typically 25 to 30 miles). Regenerators will be located exclusively in Utility central offices.

(5) Connection Arrangement

(a) Shared Network Arrangement

A Shared Network Arrangement is a service offering that enables a customer ("Service User") to connect subtending services to the multiplexed OC-3, OC-12 or OC-48 service of another customer (the "Host Subscriber"), with the Utility maintaining separate billing for each. Each customer will be billed for those rate elements associated with their own portion of the service configuration. Under no circumstances will the rates or charges for individual rate elements be split. This offering is limited to service configurations where a Service User obtains either subtending DS3 or DS1 from a Host's multiplexed OC-3 service or an OC-3 service from a Host's multiplexed OC-12 service or an OC-12 service from a Hosts' multiplexed OC-48 service.

Under the Shared Network Arrangement, the Utility may share record information with the Host subscriber pertaining to the services of other users of the shared network. Such disclosure will be under the sole discretion of the Utility and is necessary to perform billing reconciliation and/or other functions required in connection with maintaining account records.

A nonrecurring charge only, is applicable to the Shared Network Arrangement.

(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)

(D) Monthly Extension Rates

At the expiration of the TPP term and if the customer wishes to continue OC-3/OC-3c, OC-12/OC-12c, OC-48/OC-48c, and OC-192, the customer may select a new TPP at the prevailing TPP rate.

If a customer does not wish to renew the TPP at the expiration of the term, the Monthly Extension Rates will apply until the customer cancels or renews the service with a new TPP term. The Monthly Extension Rate will become effective with the end of the TPP. Monthly Extension Rates are not available to new subscriptions.

(E) Nonrecurring Charges

Described in Section 7.4.1 preceding.

(F) Minimum Periods

The Minimum Period for the OCN Point-to-Point Service is 3 years. In the event OCN Point-to-Point Service is terminated prior to completion of the minimum period, termination liabilities as set forth in (G) following will apply.

(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) (N)

(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.

(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)

(4) Conversions

If at least one month is remaining on an existing OCN 3 year TPP, the customer may convert the service to a 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.

(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) (Cont'd)

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

The customer may, at any time, convert other Utility Special Access Services (that have not been grandfathered) to an OC-N Point-to-Point service. Charges for the conversion will be the nonrecurring charges for the installation of the new OCN Point to Point rate elements as set forth in 7.5.14 following.

No other charges, such as Service Facility Moves will be applicable to such conversions. The appropriate Utility tariffs and rates for the Special Access Services from which the conversion occurs, if applicable, will determine the termination charges.

In the event that the current Point to Point Access service is no longer available to the customer and their existing term payment plan is completed or expired, the customer may choose to convert their Term offering as set forth in (P) following.

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 OC-N 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 7.4.17.1 D. following.

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.

(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)

(H) Termination Liability

Customers requesting termination of service prior to the expiration date of the OCN Point to Point TPP will be liable for a termination charge. The termination charge for all TPP terms with an Optical Interface, will be calculated as follows:

<u>Billing Period</u>	<u>Termination Percentage</u>
3 years	50%
5 years	50%

The termination liability is calculated as follows:

Monthly recurring rate	X	Months remaining in billing	X	Termination percentage
------------------------	---	-----------------------------	---	------------------------

Example:

An OCN Point to Point customer with a \$20,000 monthly rate terminates service after 2 years with 1 year (12 months) remaining in a 3 year TPP. The termination liability would be calculated as:

$\$20,000 \times 12 \times .50 = \$120,000$ Termination Liability

(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)

(H) Termination Liability (Cont'd)

A termination charge will not apply under the following conditions:

- (1) Moves as set forth in Section 5 preceding, without decreasing the number of OCN Point to Point circuits.
- (2) Modifications of services as described in Section 5, preceding
- (3) Conversions to other special access service if
 - (a) service is the same speed or higher speed
 - (b) the customer subscribes to an OCN Point to Point Term Plan that is equal to or greater than the original term plan for the lower speed service
 - (c) the billed recurring revenue for the OCN Point to Point TPP is equal to or greater than the billed recurring revenue for the Term Plan for the lower speed service.

(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)

(I) Moves

Moves involve a change in the physical location of one of the following:

- Service rearrangement;
- Point of Termination at the customer's premises; or
- Customer's premises

Move charges depend upon the type of move requested by the customer.

(1) Service Rearrangement

As set forth in Section 5.2.8.

(2) Moves of Point of Termination

A move of a Point of Termination of an existing service to a new location within the same customer premises may be provided, at the customer's request, on a time sensitive basis. Rates and charges as set forth in Section 5.2.9, preceding, will apply. No change in billing period is required.

(3) Moving Customer Premises

Moves to a different customer premises will be treated as a discontinuance of service, and establishment of new service as set forth in Section 5.2.9 preceding.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

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

(J) Mileage Measurement

Mileage charges apply as set forth in Section 7.1.3 preceding.

(K) Modification of Access Service

As set forth in Section 5.2.2 preceding.

(L) Shared Use

As set forth in Section 7.4.8, preceding

(M) Jointly Provided Service

Jointly provided service is also referred to as "Meet Point Billing" arrangement. Regulations as set forth in sections 2.4.8 and 5.2.11 preceding, are applicable.

The service consists of one end of a concatenated OCN Point-to-Point circuit located in one exchange telephone company operating territory and the other end of service located in another exchange telephone company operating territory. Meet point arrangements with independent or other exchange telephone company's are limited to concatenated services only and are dependent upon whether similar compatible services exist in the independent's or other exchange telephone company's territory.

(N)
|
(N)

(N) Ordering Options and Conditions

As set forth in Section 5 preceding.

(O) Monthly Extension Rates

At the expiration of the TPP term and if the Customer wishes to continue OC-3, OC-12, OC-48 or OC-192 service, the customer may select a new TPP at the prevailing TPP rate. If a customer does not wish to renew the TPP at the expiration of the term, the customer's service will automatically convert to Monthly Extension Rates. The Monthly Extension Rates will apply until the customer cancels or renews the service with a new TPP term. Monthly Extension Rates are not available to new subscriptions.

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 unamoritized 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)

7.5 Rates and Charges

7.5.1 Metallic Service*

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
			<u>1st</u>	<u>Add'l.</u>
(A) <u>Channel Termination</u>				
<u>Per point of Termination</u>				
- at an End User location				
- Two-wire	T6ECS	\$15.60	\$375.49	\$364.11
- Four-wire	T6E4D	26.40	375.49	364.11
- at Utility C.O. location				
- at an IC POT location	T6PCS	11.95	375.49	364.11
(B) <u>Channel Mileage</u>				
Mileage Bands	<u>USOC</u>	<u>Monthly Rates</u>		
		<u>Fixed</u>	<u>Per Mile</u>	
0	1L5XX	None	None	
Over 0	1L5XX	\$2.93	\$3.52	
(C) <u>Optional Features and Functions</u>				
	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
			<u>Init.</u>	<u>Subseq.</u>
(1) Bridging				
(a) Three Premises Bridging				
- Per Port	BCNM3	\$4.76	\$33.19	\$76.81
(b) Series Bridging				
- Per Port	BCNMS/BCNM5	4.76	33.19	76.81 (T)

* Limited Offering Service - Provided only to existing customers and servicesworking as of January 1, 1995. See General Regulations 2.1.4,(C) 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.

z Correction

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.2 Telegraph Grade Service*

(A) Channel Termination	USOC	Monthly Rates	Nonrecurring Charges	
			1st	Add'l.
- Per Point of termination				
- at an End User location				
- Two-Wire	T6E2X	\$19.16 (R)	\$375.49 (R)	\$364.11 (R)
- Four-Wire	T6E4X	26.49	375.49	364.11
- at an IC POT location				
- Two-Wire	T6P2X	\$16.69	\$375.49	\$364.11
- Four-Wire	T6P4X	17.26 (R)	375.49 (R)	364.11 (R)

(B) Channel Mileage

Mileage Bands		Monthly Rates	
		Fixed	Per Mile
0	1L5XX	None	None
Over 0	1L5XX	\$6.12 (R)	\$4.02 (R)

(C) Optional Features and Functions		Monthly Rates	Nonrecurring Charges	
			Init.	Subseq.
(1) Telegraph Bridging				
Two-Wire and Four-Wire				
- Per Port				
- Two-Wire	BCNT2	\$ 4.76 (R)	\$33.19 (R)	\$76.81 (R)
- Four-Wire	BCNT4	4.76 (R)	33.19 (R)	76.81 (R)

* Frozen/Grandfathered Service - Provided only to existing customers and services working as of the effective date of Advice Letter No. 18405. See General Regulations 2.1.4(E) preceding.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service

(A) Channel Termination	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)

(A) Channel Termination (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring[@] Charges</u>	
			<u>1st</u>	<u>Add'l.</u>
- Per Point of termination				
- at Utility Central Office				
- Two-wire	T6EC2	\$31.67	565.13 (R)	497.81
- Four-wire	T6EC4	40.20	565.13 (R)	497.81

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

Continued

Advice Letter No. 20619

Issued by

Date Filed: Oct. 5, 1999

Decision No.

A.E. Swan

Effective: **OCT 10 1999**

Managing Director

Resolution No.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

	USOC	Monthly Rates	Nonrecurring Charges	
			1st	Add'l.
(A) <u>Channel Termination</u> (Cont'd)				

(D)

(D)

Private Virtual
 Network Access Line
 and Extensions

- Per Point of
 Termination

- Two-Wire

PVN2W 20.35 487.38 211.45

- Four-Wire

PVN4W 32.06 487.38 211.45

(D)

(D)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

(B) Channel Mileage

(D)
 |
 (D)

<u>Mileage Bands</u>	<u>USOC</u>	<u>Monthly Rates</u>	
		<u>Fixed</u>	<u>Per Mile</u>
0	1L5XX	None	None
Over 0	1L5XX	\$23.71	\$ 2.06

(C) Optional Features and Functions

(1) Bridging

(a) <u>Voice Bridging*</u>		<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>		z
			<u>Init.</u>	<u>Subseq.</u>	
Two-Wire/ Four Wire					
- Per Port					
- Two-Wire	BCNV2	\$4.76	\$33.19	\$76.81	
- Four-Wire	BCNV4	4.76	\$33.19	76.81	

* Applicable to Private Virtual Network Access Line Service.
 z Correction

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>		<u>Nonrecurring Charges</u>	
				<u>Init.</u>	<u>Subseq.</u>
(C) <u>Optional Features and Functions</u> (Cont'd)					
(1) Bridging (Cont'd)					
(b) Data Bridging					
Two-Wire/ Four-Wire					
- Per port					
- Two-Wire	BCND2	\$ 4.76 (R)	\$33.19 (R)	\$76.81 (R)	
- FourWire	BCND4	4.76	33.19	76.81	
(c) Telephoto Bridging					
Two-Wire/ Four-Wire					
- Per port					
- Two-Wire	BCNF2	4.76	33.19	76.81	
- FourWire	BCNF4	4.76 (R)	33.19 (R)	76.81 (R)	
(d) Reserved					

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
			<u>Init.</u>	<u>Subseq.</u>
(C) <u>Optional Features and Functions</u> (Cont'd)				
(1) <u>Bridging</u> (Cont'd)				
(e) <u>Telemetry and Alarm Bridging</u>				
Active Bridging				
Channel Connections				
Split Band				
- Per channel connected	CNLRX	\$4.76 (R)	\$33.19 (R)	\$76.81 (R)
Summation				
- Per channel connected	BCNSA	4.76 (R)	33.19 (R)	76.81 (R)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

	USOC	Monthly Rates	Nonrecurring 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)

7.5.3 Voice Grade Service (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
			<u>Init.</u>	<u>Subseq.</u>
(C) Optional Features and Functions (Cont'd)				
(3) Improved Return Loss 36.64for Effective Two-Wire or Four-Wire Transmission - Per point of termination				
- Two-Wire	1RL2W	\$12.26	\$35.64	\$151.10
- Four-Wire	1RL4W	9.69	35.64	151.10
(4) Customer Specified Receive Level - Per point of termination				
	RLS	4.28	None	None
(5) Multiplexing Voice to Telegraph Grade - Per arrangement				
	MQX	77.49	None	None
(6) Data Capability - Per point of termination				
	XDCPT	None	131.73	271.21
(7) Telephoto Capability - Per point of termination				
	XTCPT	None	96.86	232.46
			<u>Nonrecurring Charges</u>	
			<u>1st</u>	<u>Add'l</u>
(D) Rollover				
- Per Termination	NRBRA/SVR	None	\$341.36	\$165.94 (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)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
			<u>Init.</u>	<u>Subseq.</u>
(C) Optional Features and Functions (Cont'd)				
(8) Signaling Capability*				
- Per point of termination	XSS++	\$0.46 (R)	None	None

- In lieu of ++, substitute appropriate two digit code from following list to specify type of signaling.

- AB
- AC
- CT
- DX
- DY
- EA
- EB
- EC
- EX
- GO
- GS
- LA
- LB
- LC
- LO
- LR
- LS
- RV
- SF

* Applicable to Private Virtual Network Access Lines, WATS Access Lines and Universal WATS Access Lines.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

	USOC	Monthly Rates	Nonrecurring Charges	
			Init.	Subseq.
(C) <u>Optional Features and Functions (Cont'd)</u>				
(9) Selective Signaling Arrangement				
- Per arrangement	USZ	\$5.60 (R)	\$41.72 (R)	\$132.75 (R)
(10) Transfer Arrangement (key activated* or dial up**)				
- Per four port arrangement including control channel termination***	USY	1.10	None	None
- Per five port arrangement including control channel termination***	US5	1.10 (R)	None	None
(11) Improved Two-Wire Transmission Specifications				
- Per two-wire point of termination X2T		None	None	None

* 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. z

*** 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)

7.5.4 Program Audio Service

(A) <u>Channel Termination</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Daily Rates</u>	<u>Nonrecurring Charges</u>	
				<u>1st</u>	<u>Add'l</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

(1) 200 to 3500 Hz Mileage Bands		<u>Monthly Rates</u>		<u>Daily Rates</u>	
		<u>Fixed</u>	<u>Per Mile</u>	<u>Fixed</u>	<u>Per Mile</u>
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

Advice Letter No. 20400B

Decision No. 89-10-031
94-09-065

Issued by

A.E. Swan

Managing Director

Date Filed: July 1, 1999

NOV 1 1999

Effective:

Resolution No. T-16265

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	None
Over 0	1L5XX	\$47.41 (R)	\$10.42 (R)	\$1.58 (R)	\$0.53 (R)	

(4) 50 to 15000 Hz

Mileage Bands						
0	1L5XX	None	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 (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)
						(T)
						(D)
						(D)
(2) Reserved						(D)
(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	(T)
41 - < 61	1L5XW/1L5	450.00	20.00	355.00	20.00	(T)
61 - < 80	1L5XW/1L5	650.00	20.00	525.00	20.00	(T)
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 (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	(T)
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	(T)
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)

7.5.7 Reserved

(T)
(D)

(D)

(D)

(D)

Continued

Advice Letter No. 16797

Decision No.

Issued by

A. E. Swan

Executive Director

Date Filed: Sept. 29, 1993

Effective: NOV 08 1993

Resolution No.

115426

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.7 Reserved

(T)
(D)

(D)

(D)

(D)

Continued

Advice Letter No. 16797
Decision No.

Issued by
A. E. Swan
Executive Director

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Resolution No. 115426

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.7 Reserved

(T)
(D)

(D)

(D)

(D)

Continued

Advice Letter No. 16797
Decision No.

Issued by
A. E. Swan
Executive Director

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

* 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.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services* (Cont'd)

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

(2) Channel Mileage

(a) 2.4 kbps

	USOC	Monthly Rates		z
		Fixed	Per Mile	
Mileage Bands				
0	1L5XX	None	None	
Over 0	1L5XX	\$ 4.74	\$ 5.22	

(b) 4.8 kbps

Mileage Bands				
0	1L5XX	None	None	
Over 0	1L5XX	\$ 4.74	\$ 5.22	

(c) 9.6 kbps

Mileage Bands				
0	1L5XX	None	None	
Over 0	1L5XX	\$ 4.74	\$ 5.22	

* 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.

z Correction

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

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

(2) Channel Mileage (Cont'd)

(d) 56 kbps

	USOC	<u>Monthly Rates</u>		z
		<u>Fixed</u>	<u>Per Mile</u>	
Mileage Bands				
0	1L5XX	None	None	
Over 0	1L5XX	\$4.74	\$5.22	
(R)				

* (e) 64 kbps

	USOC	<u>Monthly Rates</u>		(T)
		<u>Fixed</u>	<u>Per Mile</u>	
<u>Mileage Bands</u>				
0	1L5TC	\$10.57	None	

	USOC	<u>Nonrecurring</u>		(T)
		<u>Monthly</u>	<u>Charges</u>	
		<u>Rates</u>	<u>Init. Subseq.</u>	

(3) Optional Features and Functions

(a) Bridging

7-Per port	BCNDA	\$5.69	None	None
------------	-------	--------	------	------

* Applied to through connections of 2.4, 4.8, 9.6, 56.0 and 64 kbps.

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.

z Correction

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Services (Cont'd)

(A) Digital Data 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.)				
(b) Loop Transfer Arrangement (Key activated* or Dial-up**)				
-Per initial three port arrangement (includes a spareline)***	XTD	\$ 81.38	(R) None	None
(4) Multiplexing				
DS1 to DSO				
- Per arrangement	QMU	341.83	None	None
- Per arrangement with Secondary Channel Capability	QMUA1	341.83	(R) None	None

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.

* 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 1LM5X 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 as a leg to the customer 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)

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

	USOC	Monthly Rates	Nonrecurring Charges	
			Init.	Subseq.
(4) Multiplexing (Cont'd)				
DSO to Subrates				
- Per arrangement				
- Up to 20 2.4 kbps services	QSU24	\$415.08	None	None
	QSC24#	415.08	None	None
- Up to 10 4.8 kbps services	QSU48	236.03	None	None
	QSC48#	236.03	None	None
- Up to 5 9.6 kbps services	QSU96	170.91	None	None
	QSC96#	170.91	None	None
(5) Secondary Channel*				
- Per station				
- 133 bps	DSC24	11.38	None	None
- 266 bps	DSC48	14.22	None	None
- 533 bps	DSC96	18.02	None	None
- 2666 bps	DSC56	28.45	None	None
(6) Rollover				
- Per Termination	NRBRA/SVR	None	\$402.99	\$199.12 (T)

@ 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. z

Secondary Channel capability.

* Secondary Channel can only be ordered in conjunction with Digital Data Multiplexing and/or Digital Data Access Services.

z Correction

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>(1) Channel Termination#</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring@ Charges</u>	(T)
-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>(2) Channel Mileage</u>	<u>USOC</u>	<u>Monthly Rates</u>	
- Per Mile		<u>Fixed</u>	<u>Per Mile</u>
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.

Continued

(N)

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	DFOBR	\$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

Advice Letter No. 20400B
 Decision No. 89-10-031
 94-09-065

Issued by
 A.E. Swan
 Managing Director

Date Filed: July 1, 1999
 Effective: **NOV 1 1999**
 Resolution No. T-16265

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

(D)

(D)

- per Channel Termination

- DSO	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

Advice Letter No. 24303

Issued by

Date Filed: Oct. 20, 2003

Decision No.

Cynthia Wales

Effective: Feb. 11, 2004

Executive Director

Resolution No. T-16819

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> (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) <u>Advanced Digital Network Channel Interface</u>				(L)
- per channel	PYVD8/MQQ	25.03	338.51	(L)
(f) <u>Central Office Multiplexing</u>				
- 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

Advice Letter No. 24303

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Decision No.

Cynthia Wales

Effective: Feb. 11, 2004

Executive Director

Resolution No. T-16819

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)				
(g) Through-connect, 64 kbps cross-connection				(L)
- Per cross-connect	THA/DFOTC	None	\$28.45	(L)

(L) Formerly on Sheet 330-C-1.

Continued

Advice Letter No. 24303

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Resolution No. T-16819

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>		
			<u>1st</u>	<u>Add'l</u>	
(4) Rollover					
- Per Termination	NRBRA/SVR	None	\$189.64	\$104.30	(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

	<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)

	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 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	
(1) Channel Termination (Cont'd)	CABS/CRIS				(N)
- 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)

	<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)				
(d) Fiber Advantage sm DS3 and DS3x3 Rate Stability Payment Plan				
(i) 1 Year Plan				
- Fiber Advantage sm DS3 with Terminal Equipment at an End User location	Z3MAC/Z31AC	\$2,560.17	\$2,370.53	NA ¹
- Fiber Advantage sm DS3 with Terminal Equipment at an IC POT location	Z3MAP/Z31AP	1,991.24	2,370.53	NA ¹
- Fiber Advantage sm DS3 without Terminal Equipment at an End User location	Z0MAC/Z01AC	1,754.19	1,991.24	NA ¹

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

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>
(1) Channel Termination (Cont'd)				
- Per point of termination				
(d) Fiber Advantage sm DS3 and DS3x3 Rate Stability Payment Plan (Cont'd)				
(i) 1 Year Plan (Cont'd)				
- Fiber Advantage sm DS3 without Terminal Equipment at an IC POT location	ZOMAP/ZO1AP	\$1,469.73	\$1,991.24	NA ¹ (T)
- Fiber Advantage sm DS3x3 with Terminal Equipment at an End User location	Z3MAC/Z31AC	6,827.11	3,318.74	NA ¹ (T)
- Fiber Advantage sm DS3x3 with Terminal Equipment at an IC POT location	Z3MAP/Z31AP	5,689.26	3,318.74	NA ¹ (T)

NOTE 1: 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)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
			<u>1st</u>	<u>Add'l.</u>
(1) Channel Termination (Cont'd)				
- Per point of termination				
(d) Fiber Advantage sm DS3 and DS3x3 Rate Stability Payment Plan (Cont'd)				
(i) 1 Year Plan (Cont'd)				
- Fiber Advantage sm) DS3x3 without Terminal Equipment at an End User location	ZOMAC/ZO1AC	\$4,077.30	\$2,939.45	NA ¹ (T)
- Fiber Advantage sm DS3x3 without Terminal Equipment at an IC POT location	ZOMAP/ZO1AP	3,318.74	2,939.45	NA ¹ (T)

NOTE 1: 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)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>		
			<u>1st</u>	<u>Add'l.</u>	
(1) Channel Termination (Cont'd)					
- Per point of termination					
(d) Fiber Advantage sm DS3 and DS3x3 Rate Stability Payment Plan (Cont'd)					
(ii) 3 Year Plan					
- Fiber Advantage sm DS3 with Terminal Equipment at an End User location	Z3MAC/Z33AC	\$2,086.06	NONE	NA ¹	(T)
- Fiber Advantage sm DS3 with Terminal Equipment at an IC POT location	Z3MAP/Z33AP	1,706.78	NONE	NA ¹	(T)

NOTE 1: 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)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>		
			<u>1st</u>	<u>Add'l.</u>	
(1) Channel Termination (Cont'd)					
- Per point of termination					
(d) Fiber Advantage sm DS3 and DS3x3 Rate Stability Payment Plan (Cont'd)					
(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 ¹	(T)
- Fiber Advantage sm DS3 without Terminal Equipment at an IC POT location	ZOMAP/ZO3AP	1,185.26	NONE	NA ¹	(T)

NOTE 1: 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)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>		
			<u>1st</u>	<u>Add'l.</u>	
(1) Channel Termination (Cont'd) - Per point of termination					
(d) Fiber Advantage sm DS3 and DS3x3 Rate Stability Payment Plan (Cont'd)					
(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 ¹	(T)
- Fiber Advantage sm DS3x3 with Terminal Equipment at an IC POT location	Z3MAP/Z33AP	3,318.74	NONE	NA ¹	(T)
- Fiber Advantage sm DS3x3 without Terminal Equipment at an End User location	Z0MAC/Z03AC	2,560.17	NONE	NA ¹	(T)

NOTE 1: 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)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>		
			<u>1st</u>	<u>Add'l.</u>	
(1) Channel Termination (Cont'd)					
- Per point of termination					
(d) Fiber Advantage SM DS3 and DS3x3 Rate Stability Payment Plan (Cont'd)					
(ii) 3 Year Plan (Cont'd)					
- Fiber Advantage SM DS3x3 without Terminal Equipment at an IC POT location	ZOMAP/ZO3AP	\$1,896.42	NONE	NA ¹	(T)
- Fiber Advantage SM DS3x12 with Terminal Equipment at an End User location	Z3MAC/Z23EE	11,378.52	NONE	NA ¹	(T)
- Fiber Advantage SM DS3x12 with Terminal Equipment at an IC POT location	Z3MAP/Z23AE	10,430.31	NONE	NA ¹	(T)

NOTE 1: 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)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>		
			<u>1st</u>	<u>Add'l.</u>	
(1) Channel Termination (Cont'd)					
- Per point of termination					
(d) Fiber Advantage sm DS3 and DS3x3 Rate Stability Payment Plan (Cont'd)					
(ii) 3 Year Plan (Cont'd)					
- Fiber Advantage sm					
- DS3x12 without Terminal Equipment at an End User location	ZOMAC/Z23EO	\$8,344.25	NONE	NA ¹	(T)
- Fiber Advantage sm DS3x12 without Terminal Equipment at an IC POT location	ZOMAP/Z23AO	7,396.04	NONE	NA ¹	(T)

NOTE 1: 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)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>		
			<u>1st</u>	<u>Add'l.</u>	
(1) Channel Termination (Cont'd)					
- Per point of termination					
(d) Fiber Advantage sm DS3 and DS3x3 Rate Stability Payment Plan (Cont'd)					
(iii) 5 Year Plan					
- Fiber Advantage sm DS3 with Terminal Equipment at an End User location	Z3MAC/Z35AC	\$1,896.42	NONE	NA ¹	(T)
- Fiber Advantage sm DS3 with Terminal Equipment at an IC POT location	Z3MAP/Z35AP	1,517.14	NONE	NA ¹	(T)
- Fiber Advantage sm DS3 without Terminal Equipment at an End User location	Z0MAC/Z05AC	1,327.49	NONE	NA ¹	(T)

NOTE 1: 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)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>		
			<u>1st</u>	<u>Add'l.</u>	
(1) Channel Termination (Cont'd)					
- Per point of termination					
(d) Fiber Advantage SM DS3 and DS3x3 Rate Stability Payment Plan (Cont'd)					
(iii) 5 Year Plan (Cont'd)					
- Fiber Advantage SM DS3 without Terminal Equipment at an IC POT location	Z0MAP/Z05AP	\$1,090.44	NO	NA ¹	(T)
- Fiber Advantage SM DS3x3 with Terminal Equipment at an End User location	Z3MAC/Z35AC	3,603.20	NONE	NA ¹	(T)
- Fiber Advantage SM DS3x3 with Terminal Equipment at an IC POT location	Z3MAP/Z35AP	2,844.63	NO	NA ¹	(T)

NOTE 1: 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)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>		
			<u>1st</u>	<u>Add'l.</u>	
(1) Channel Termination (Cont'd)					
- Per point of termination					
(d) Fiber Advantage sm DS3 and DS3x3 Rate Stability Payment Plan (Cont'd)					
(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 ¹	(T)
- Fiber Advantage sm DS3x3 without Terminal Equipment at an IC POT location	ZOMAP/ZO5AP	1,706.78	NO	NA ¹	(T)

NOTE 1: 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)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>		
			1st	Add'l.	
(1) Channel Termination (Cont'd)					
- Per point of termination					
(d) Fiber Advantage SM DS3 and DS3x3 Rate Stability Payment Plan (Cont'd)					
(iii) 5 Year Plan (Cont'd)					
- Fiber Advantage SM DS3x12 with Terminal Equipment at an End User location	Z3MAC/Z25EE	\$9,008.00	NONE	NA ¹	(T)
- Fiber Advantage SM DS3x12 with Terminal Equipment at an IC POT location	Z3MAP/Z25AE	8,059.79	NONE	NA ¹	(T)
- Fiber Advantage SM DS3x12 without Terminal Equipment at an End User location	Z0MAC/Z25EO	6,732.29	NONE	NA ¹	(T)

NOTE 1: 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)

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

NOTE 1: 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)

(2) Channel Mileage

		<u>Monthly Rates</u>		
	<u>USOC</u>	<u>Fixed</u>	<u>Per Mile</u>	
(a) <u>1.544 Mbps</u>	CABS/CRIS			(N)
(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>	
(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					
<u>Mileage Bands</u>					
	0	1LO++	None	None	
Over	0	1LO++	ICB	ICB	
<u>Fiber Advantagesm</u>					
	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)

Material omitted now on Sheet 330-D and 330-F.

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

<u>Mileage Bands</u>	<u>USOC</u>	<u>Monthly Rates</u>		
		<u>Fixed</u>	<u>Per Mile</u>	
0	1LO++	None	None	
Over 0	1LO++	ICB	ICB	
<u>Fiber Advantagesm</u>				
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

(d) Fiber AdvantageSM 44.736 Mbps*

Mileage Bands	USOC	Monthly Rates		
		Fixed	Per Mile	
- 1 Year Plan				
0	1L5XX	None	None	
Over 0	1L5XX	\$789.86	\$62.58	
- 3 Year Plan				
0	1L5XX/1L5X3	None	None	(T)
Over 0	1L5XX/1L5X3	640.04	41.72	(T)
- 5 Year Plan				
0	1L5XX/1L5X5	None	None	(T)
Over 0	1L5XX/1L5X5	616.34	41.72	(T)
Fiber Advantage SM				
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 Advantage SM				
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)

	USOC	Monthly Rates	Nonrecurring Charges		
			1st	Add'l	
(3) Optional Features and Functions	CABS/CRIS				(N)
(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)

	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>					
- Per arrangement	MXD++	ICB	None	None	(L)
<u>DS1C to DS1 or Fiber</u>					
<u>Advantagesm DS1</u>					
- Per arrangement	MXH++	ICB	None	None	(T)
<u>Fiber Advantagesm DS1 to Voice (VG)*</u>					
- Per arrangement	MQ1 [#]	\$ 308.17	None	None	(T)(L)
<u>DS1 1.544</u>					
- Per arrangement	MQ1	308.17	None	None	(N)
<u>Month-to-Month</u>					
<u>DS1 to Voice (VG)*</u>					
- Per arrangement	MQ1 [#] /MXNT1	\$ 290.00	None	None	(N)
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 (R) (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. (N)

Continued

Advice Letter No. 24303

Issued by

Date Filed: Oct. 20, 2003

Decision No.

Cynthia Wales

Effective: Feb. 11, 2004

Executive Director

Resolution No. T-16819

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)

(4) Rollover

	<u>USOC</u>	<u>Nonrecurring Charges</u>		
		<u>1st</u>	<u>Add'l</u>	
	CABS/CRIS			(N)
- Per point of Termination				
- DS1	NRBRH/NRBR1/SVR [#]	\$355.58	\$237.05	(T)
- DS3	NRBR3/SVR	218.09	195.33	
- DS3x3	NRBR3/SVR	654.26	585.99	

(5) Rollover when Point of Termination Changes

- Per point of Termination				
- DS1	NRBRO/SVRPT	404.89	304.38	
- DS3	NRBRO/SVRPT	404.89	304.38	

(6) Change or Addition of circuit packs, each

- voice circuit pack	CHNVC	38.88	38.88	
- digital data circuit pack	CHNDC	38.88	38.88	

(7) Fiber AdvantageSM Diversity (T)

- Per DS1, DS3, DS3x3 or DS3x12 service	DF4/SHF	189.64	None	
---	---------	--------	------	--

NRBR1 and NRBRH are used in CABS, SVR is used in CRIS billing system. (T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.9 Special Access Service Surcharge*

	<u>USOC</u>	<u>Monthly Rates</u>	
- Per Subvoice grade, voice grade or equivalent voice grade service	S25	\$23.71	
7.5.10 Record Transfer Charge		<u>Nonrecurring Charge</u>	
- Per customer premise location	NRBR7/SARTC	\$20.05	(T)

* See 7.4.2 preceding for application of Special Access Service Surcharge.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges

7.5.11 SONET Ring and Access Services

		<u>USOC</u>	<u>Monthly Rates</u>	
(A) Mileage				
(1) Dedicated Ring				
- per interoffice mile				
155 Mbps (OC3)	0 - 10 miles	1L5XX/1L8XX	None	(T)
	over 10 miles	1L5XX/1L8XX	\$125.16	
622 Mbps (OC12)	0 - 10 miles	1L5XX/1L8XX	None	
	over 10 miles	1L5XX/1L8XX	417.21	
2.4 Gbps (OC48)	0 - 10 miles	1L5XX/1L8XX	None	
	over 10 miles	1L5XX/1L8XX	834.42	(T)
(2) Circuit Service				
- per interoffice mile				
155 Mbps (OC3c)		1L5XX/1L8XX	125.16	(T)
622 Mbps (STS-12)*		1L5XX/1L8XX	417.21	
622 Mbps (OC12/c)		1L5XX/1L8XX	417.21	(T)

* STS12 is manufactured discontinued and grandfathered to existing customers.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges

7.5.11 SONET Ring and Access Services (Cont'd)

(B) Dedicated Ring Fee	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
(1) Interoffice				
per CO Node to CO Node Link				
<u>3 Year Plan</u>				
155 Mbps (OC3)	FECFX/DEDF3	\$379.28	\$142.23	(T)
622 Mbps (OC12)	FECFX/DEDF3	426.69	142.23	
2.4 Gbps (OC48)	FECFX/DEDF3	853.39	142.23	(T)
<u>5 Year Plan</u>				
155 Mbps (OC3)	FECFX/DEDF5	331.87	no charge	(T)
622 Mbps (OC12)	FECFX/DEDF5	379.28	no charge	
2.4 Gbps (OC48)	FECFX/DEDF5	758.57	no charge	(T)
(2) Local Loop				
per CO Node to Premises Node Link (within the customer's Wire Center)				
<u>3 Year Plan</u>				
155 Mbps (OC3)	FECFX/DEDL3	853.39	142.23	(T)
622 Mbps (OC12)	FECFX/DEDL3	1,327.49	142.23	
2.4 Gbps (OC48)	FECFX/DEDL3	1,801.60	142.23	(T)
<u>5 Year Plan</u>				
155 Mbps (OC3)	FECFX/DEDL5	758.57	no charge	(T)
622 Mbps (OC12)	FECFX/DEDL5	1,090.44	no charge	
2.4 Gbps (OC48)	FECFX/DEDL5	1,422.32	no charge	(T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.11 SONET Ring and Access Services (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
(B) <u>Dedicated Ring Fee</u> (Cont'd)				
(3) <u>Alternate Wire Center</u>				
- per CO Node to Premises Node Link (outside of customer's wire center)				
<u>3 Year Plan</u>				
155 Mbps (OC3)	FECAX/DEDA3	\$1137.85	\$142.23	(T)
622 Mbps (OC12)	FECAX/DEDA3	1232.67	142.23	
2.4 Gbps (OC48)	FECAX/DEDA3	2086.06	142.23	(T)
<u>5 Year Plan</u>				
155 Mbps (OC3)	FECAX/DEDA5	948.21	no charge	(T)
622 Mbps (OC12)	FECAX/DEDA5	1043.03	no charge	
2.4 Gbps (OC48)	FECAX/DEDA5	1754.19	no charge	(T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.11 SONET Ring and Access Services (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
(C) Nodes: CO and Premises				
- per node				
(1) CO Node for dedicated ring				
<u>3 Year Plan</u>				
155 Mbps (OC3)	FH5XC/NODC3	\$1,849.01	1,327.49	(T)
622 Mbps (OC12)	FH5XC/NODC3	2,086.06	1,517.14	
2.4 Gbps (OC48)	FH5XC/NODC3	4,741.05	2,939.45	(T)
<u>5 Year Plan</u>				
155 Mbps (OC3)	FH5XC/NODC5	1,517.14	no charge	(T)
622 Mbps (OC12)	FH5XC/NODC5	1,706.78	no charge	
2.4 Gbps (OC48)	FH5XC/NODC5	4,124.71	no charge	(T)
(2) Premises Node for dedicated ring				
<u>3 Year Plan</u>				
155 Mbps (OC3)	FP5XC/NODD3	2,560.17	1,327.49	(T)
622 Mbps (OC12)	FP5XC/NODD3	2,844.63	1,517.14	
2.4 Gbps (OC48)	FP5XC/NODD3	5,641.85	2,939.45	(T)
<u>5 Year Plan</u>				
155 Mbps (OC3)	FP5XC/NODD5	1,849.01	no charge	(T)
622 Mbps (OC12)	FP5XC/NODD5	2,086.06	no charge	
2.4 Gbps (OC48)	FP5XC/NODD5	4,693.64	no charge	(T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.11 SONET Ring and Access Services (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
(C) Nodes: CO and Premises (Cont'd)				
- per node				
(3) Customer Provided Node for dedicated ring				
<u>3 Year Plan</u>				
155 Mbps (OC3)	FJ5XC/NODN3	\$663.75	\$1,232.67	(T)
622 Mbps (OC12)	FJ5XC/NODN3	758.57	1,422.32	
2.4 Gbps (OC48)	FJ5XC/NODN3	853.39	2,844.63	(T)
<u>5 Year Plan</u>				
155 Mbps (OC3)	FJ5XC/NODN5	568.93	no charge	(T)
622 Mbps (OC12)	FJ5XC/NODN5	663.75	no charge	
2.4 Gbps (OC48)	FJ5XC/NODN5	758.57	no charge	(T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.11 SONET Ring and Access Services (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	
(C) Nodes: CO and Premises (Cont'd)			
- per node			
(4) CO Node for two point (circuit service) configuration			
<u>Month-to-Month</u>			
155 Mbps (OC3/3c)	FC6XB/NOCCM	\$1,137.15	(T)
622 Mbps (STS12)*	FC6XB/NOCCM	4,266.95	
622 Mbps (OC12/c)	FC6XB/NOCCM	4,266.95	(T)
<u>1 Year Plan</u>			
155 Mbps (OC3/3c)	FC6XB/NOCC1	1,043.03	(T)
622 Mbps (STS12)*	FC6XB/NOCC1	3,792.84	
622 Mbps (OC12/c)	FC6XB/NOCC1	3,792.84	(T)
<u>3 Year Plan</u>			
155 Mbps (OC3/3c)	FC6XB/NOCC3	853.39	(T)
622 Mbps (STS12)*	FC6XB/NOCC3	2,844.63	
622 Mbps (OC12/c)	FC6XB/NOCC3	2,844.63	(T)
<u>5 Year Plan</u>			
155 Mbps (OC3/3c)	FC6XB/NOCC5	663.75	(T)
622 Mbps (STS12)*	FC6XB/NOCC5	1,991.24	
622 Mbps (OC12/c)	FC6XB/NOCC5	1,991.24	(T)

* STS12 is manufactured discontinued and grandfathered to existing customers.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.11 SONET Ring and Access Services (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>		
			<u>1st</u>	<u>Add'l</u>	
(D) Local Loop Access Link					
- per link (with equipment)					
<u>Month-to-Month</u>					
155 Mbps (OC3c)	DCHSX/LLALM	\$7,206.40	\$53,289.40	\$26,644.70	(T)
<u>1 Year Plan</u>					
155 Mbps (OC3c)	DCHSX/LLAL1	5,973.72	5,689.26	2,844.63	(T)
<u>3 Year Plan</u>					
155 Mbps (OC3c)	DCHSX/LLAL3	3,318.74	2,844.63	1,422.32	(T)
<u>5 Year Plan</u>					
155 Mbps (OC3c)	DCHSX/LLAL5	2,749.81	no charge	no charge	(T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.11 SONET Ring and Access Services (Cont'd)

	USOC CABS/CRIS (N)	Monthly Rates	Nonrecurring Charges	
			1st	Add'l
(E) Premises Access Ports				
- per port				
<u>Month-to-Month</u>				
1.544 Mbps (DS1)	FP6AX/LSA1M	\$ 94.82	\$ 663.75	\$331.87
45 Mbps (DS3)	FP6BX/LSA3M	346.10	663.75	331.87
155.5 Mbps (OC3c)	FP6OX/LSAOM	701.68	663.75	331.87
622 Mbps (OC12c)	FP6TX/LSAUM	1896.42	1896.42	948.21

(L)

(L)

Material omitted now on Sheets 338-H-1, 338-H-2 and 338-H-3.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.11 SONET Ring and Access Services (Cont'd)

	<u>USOC</u>		<u>Monthly</u>	<u>Nonrecurring</u>		
	CABS/CRIS (N)		<u>Rates</u>	<u>1st</u>	<u>Add'l</u>	
(E) Premises Access (Cont'd)						
Ports (Cont'd)						
- per port (Cont'd)						
<u>1 Year Plan</u>						(L)
1.544 Mbps (DS1)	FP6AX/LSA11	\$	85.34	\$ 663.75	\$331.87	(T)
45 Mbps (DS3)	FP6BX/LSA31		312.91	663.75	331.87	
155.5 Mbps (OC3c)	FP6OX/LSA01		625.82	663.75	331.87	
622 Mbps (OC12c)	FP6TX/LSAU1		1801.60	1896.42	948.21	(L)

(L) Formerly on Sheet 338-H.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.11 SONET Ring and Access Services (Cont'd)

	USOC CABS/CRIS	Monthly Rates	Nonrecurring Charges	
			1st	Add'l
(E) Premises Access (Cont'd) Ports (Cont'd) - per port (Cont'd) <u>3 Year Plan</u>				
1.544 Mbps (DS1) FP6AX/LSA13		\$ 61.63	\$331.87	\$165.94
45 Mbps (DS3) FP6BX/LSA33		241.79	331.87	165.94
155.5 Mbps (OC3c) FP6OX/LSA03		493.07	331.87	165.94
622 Mbps (OC12c) FP6TX/LSAU3		1611.96	948.21	474.11
100 Mbps Ethernet (STS-1) at OC-3 Node S9TAX/KP6A3		145.00	385.00	195.00
100 Mbps Ethernet (STS-1) at OC-12 Node S9TBX/KP6B3		145.00	385.00	195.00
100 Mbps Ethernet (STS-3c) at OC-12 Node S9TCX/KP6C3		180.00	385.00	195.00
1 Gbps Ethernet (STS-1) at OC-12 Node S9TDX/KP6D3		250.00	425.00	215.00
1 Gbps Ethernet (STS-3c) at OC-12 Node S9TEX/KP6E3		250.00	425.00	215.00
100 Mbps Ethernet (STS-1) at OC-48 Node S9TGX/KP7G3		145.00	385.00	195.00
100 Mbps Ethernet (STS-3c) at OC-48 Node S9THX/KP7H3		180.00	385.00	195.00
1 Gbps Ethernet (STS-1) at OC-48 Node S9TJX/KP7J3		250.00	425.00	215.00
1 Gbps Ethernet (STS-3c) at OC-48 Node S9TKX/KP7K3		250.00	425.00	215.00
1 Gbps Ethernet (STS-12c) at OC-48 Node S9TLX/KP7L3		600.00	425.00	215.00
1 Gbps Ethernet (STS-24c) at OC-48 Node S9TMX/KP7M3		900.00	425.00	215.00

(L)
 |
 (L)

(L) Formerly on Sheet 338-I-2.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.11 SONET Ring and Access Services (Cont'd)

	<u>USOC</u> CABS/CRIS	<u>Monthly</u> <u>Rates</u>	<u>Nonrecurring</u> <u>Charges</u>	
			<u>1st</u>	<u>Add'l</u>
(E) Premises Access (Cont'd)				
Ports (Cont'd)				
- per port (Cont'd)				
<u>5 Year Plan</u>				
1.544 Mbps (DS1)	FP6AX/LSA15	\$ 52.15	no charge	no charge
45 Mbps (DS3)	FP6BX/LSA35	208.61	no charge	no charge
155.5 Mbps (OC3c)	FP6OX/LSAO5	464.62	no charge	no charge
622 Mbps (OC12c)	FP6TX/LSAU5	1422.32	no charge	no charge
100 Mbps Ethernet (STS-1) at OC-3 Node	S9TAX/KP6A5	130.00	\$385.00	\$195.00
100 Mbps Ethernet (STS-1) at OC-12 Node	S9TBX/KP6B5	130.00	385.00	195.00
100 Mbps Ethernet (STS-3c) at OC-12 Node	S9TCX/KP6C5	160.00	385.00	195.00
1 Gbps Ethernet (STS-1) at OC-12 Node	S9TDX/KP6D5	200.00	425.00	215.00
1 Gbps Ethernet (STS-3c) at OC-12 Node	S9TEX/KP6E5	200.00	425.00	215.00
100 Mbps Ethernet (STS-1) at OC-48 Node	S9TGX/KP7G5	130.00	385.00 _(T)	195.00 _(T)
100 Mbps Ethernet (STS-3c) at OC-48 Node	S9THX/KP7H5	160.00	385.00	195.00
1 Gbps Ethernet (STS-1) at OC-48 Node	S9TJX/KP7J5	200.00	425.00	215.00
1 Gbps Ethernet (STS-3c) at OC-48 Node	S9TKX/KP7K5	200.00	425.00	215.00
1 Gbps Ethernet (STS-12c) at OC-48 Node	S9TLX/KP7L5	500.00	425.00	215.00
1 Gbps Ethernet (STS-24c) at OC-48 Node	S9TMX/KP7M5	850.00	425.00	215.00

(L) Formerly on Sheet 338-I-3.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.11 SONET Ring and Access Services (Cont'd)

	<u>USOC</u>	<u>Monthly</u>	<u>Nonrecurring</u>		
	CABS/CRIS	<u>Rates</u>	<u>1st</u>	<u>Add'l</u>	
(E) Premises Access (Cont'd)					
Ports (Cont'd)					
Additional Connection for 2.4Gbps (OC48):					
- per port					
<u>Month-to-Month</u>					
622 Mbps*	FP6EA/LSABM	\$2086.06	\$663.75	\$331.87	(T)

* 622 Mbps Additional Connection interface not applicable to new customers served by new equipment for interface connections to 155 Mbps. Additional Connection still required for 1.5 Mbps capacity. Existing customers with the Additional Connection interface will retain it. (N)
 Continued (N)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.11 SONET Ring and Access Services (Cont'd)

	<u>USOC</u> CABS/CRIS	<u>Monthly</u> <u>Rates</u>	<u>Nonrecurring</u> <u>Charges</u>		
			<u>1st</u>	<u>Add'l</u>	
(E) Premises Access (Cont'd)					
Ports (Cont'd)					
Additional Connection for 2.4Gbps (OC48): (Cont'd)					
- per port (Cont'd)					
<u>1 Year Plan</u>					
622 Mbps*	FP6EA/LSAB1	\$1896.42	\$663.75	\$331.87	(T)

* 622 Mbps Additional Connection interface not applicable to new customers served by new equipment for interface connections to 155 Mbps. Additional Connection still required for 1.5 Mbps capacity. Existing customers with the Additional Connection interface will retain it.

(N)
|
(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.11 SONET Ring and Access Services (Cont'd)

	<u>USOC</u> CABS/CRIS	<u>Monthly</u> <u>Rates</u>	<u>Nonrecurring</u> <u>Charges</u>		
			<u>1st</u>	<u>Add'l</u>	
(E) Premises Access (Cont'd)					
Ports (Cont'd)					
Additional Connection for 2.4Gbps (OC48): (Cont'd)					
- per Port (Cont'd)					
<u>3 Year Plan</u>					
622 Mbps*	FP6EA/LSAB3	\$1659.37	\$331.87	\$165.94	(T)

* 622 Mbps Additional Connection interface not applicable to new customers (N)
 served by new equipment for interface connections to 155 Mbps.
 Additional Connection still required for 1.5 Mbps capacity. Existing (N)
 customers with the Additional Connection interface will retain it.
 Material omitted now on Sheet 338-H-2.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.11 SONET Ring and Access Services (Cont'd)

	<u>USOC</u>	<u>Monthly</u>	<u>Nonrecurring</u>	
	CABS/CRIS	<u>Rates</u>	<u>1st</u>	<u>Add'l</u>
(E) Premises Access (Cont'd)				
Ports (Cont'd)				
Additional Connection				
for 2.4Gbps (OC48): (Cont'd)				
- per port (Cont'd)				
<u>5 Year Plan</u>				
622 Mbps*	FP6EA/LSAB5	\$1422.32	no charge	no charge (T)

* 622 Mbps Additional Connection interface not applicable to new customers (N)
 served by new equipment for interface connections to 155 Mbps. |
 Additional Connection still required for 1.5 Mbps capacity. Existing (N)
 customers with the Additional Connection interface will retain it. (N)
 Material omitted now on Sheet 338-H-3.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.11 SONET Ring and Access Services (Cont'd)

Definitions

The following definitions describe connections for Primary Node Links and Central Office Access Ports.

STS1/DS1: provides for 28 DS1 (Local Loop Access Links-copper or Fiber Advantage) services from the customer's premises to the central office Digital Crossconnect System onto the STS-1 interface.

STS1/ DS3: provides for DS3 to DS3 crossconnect of Local Loop Access Links or Fiber Advantage service from the customer's premises to the central office onto the STS-1 interface.

STS1 hardwired for DS3: provides for DS3 services from the customer premises through the central office bypassing all electronic crossconnect equipment (Capacity is one DS3).

OC3/c-12: provides for 155Mbps bandwidth services from the customer's premises to the central office on a Dedicated OC12 Ring with an optical interface. ((LSAC+))

OC3/c-48: provides for 155Mbps bandwidth services from the customer's premises to the central office on a Dedicated OC48 Ring with an optical interface. ((LSA4+))

STS12*: provides 622Mbps bandwidth service to interconnect two SONET rings on an electrical interface. ((LSAT+)) (C)

OC12/c: provides 622Mbps bandwidth service to interconnect two SONET rings on an optical interface. ((LSAT+)) (N)

OC12/c-48: provides 622Mbps bandwidth services from the customer's premises to the central office on a Dedicated OC48 Ring with an optical interface. ((LSAL+))

* STS12 is manufactured discontinued and grandfathered to existing customers. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

(N)

7.5 Rates and Charges (Cont'd)

7.5.11 SONET Ring and Access Services (Cont'd)

Definitions (Cont'd)

The following definitions describe connections for Premise Access Ports.

DS1: provides 1.544Mbps bandwidth service at the customer's premise node mapping it onto the STS1 interface. ((LSA1+))

DS3: provides 45Mbps bandwidth service at the customer's premise node mapping it into the STS1 interface. ((LSA3+))

OC3c: provides 155Mbps bandwidth concatenated services at the customer's premise with an optical, non-protected interface. ((LSAO+))

OC12c: provides 622Mbps bandwidth concatenated services at the customer's premise with an optical, non-protected interface. ((LSAU+))

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.11 SONET Ring and Access Services (Cont'd)

	<u>USOC</u>	<u>Monthly</u>	<u>Nonrecurring</u>	
	<u>CABS/CRIS</u>	<u>(N) Rates</u>	<u>1st</u>	<u>Add'l</u>
(F) Central Office Access Ports				
- per port				
<u>Month-to-Month</u>				
51 Mbps (STS1 hardwired)	FC6WX/LSADM	\$ 260.76	\$568.93	\$284.46
51 Mbps (STS1/DS3)	FC6YX/LSASM	260.76	568.93	284.46
51 Mbps (STS1/DS1s)	FC64X/LSAWM	948.21	568.93	284.46
155 Mbps (OC3/c-48)	FC6UX/LSA4M	711.16	568.93	284.46
155 Mbps (OC3/c-12)	FC6VX/LSACM	350.84	568.93	284.46
622 Mbps (STS12)*	FC6ZX/LSATM	782.27	568.93	284.46
622 Mbps (OC12/c)**	FC6ZX/LSATM	782.27	568.93	284.46
622 Mbps (OC12c)	FC6TX/LSALM	1896.42	1896.42	948.21

(L)

(L)

* STS12 is manufactured discontinued and grandfathered to existing customers.
 ** Same rates apply for STS12 or OC12/c Ring Interconnection.
 Material omitted now on Sheets 338-K-1, 338-K-2 and 338-K-3.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.11 SONET Ring and Access Services (Cont'd)

	USOC CABS/CRIS (N)	Monthly Rates	Nonrecurring Charges		
			1st	Add'l	
(F) Central Office Access (Cont'd)					
Ports (Cont'd)					
- per port (Cont'd)					
<u>1 Year Plan</u>					
51 Mbps (STS1 hardwired)	FC6WX/LSAD1	\$ 237.05	\$ 568.93	\$284.46	(T)
51 Mbps (STS1/DS3)	FC6YX/LSAS1	237.05	568.93	284.46	
51 Mbps (STS1/DS1s)	FC64X/LSAW1	834.42	568.93	284.46	
155 Mbps (OC3/c-48)	FC6UX/LSA41	625.82	568.93	284.46	
155 Mbps (OC3/c-12)	FC6VX/LSAC1	312.91	568.93	284.46	
622 Mbps (STS12)*	FC6ZX/LSAT1	711.16	568.93	284.46	
622 Mbps (OC12/c)**	FC6ZX/LSAT1	711.16	568.93	284.46	
622 Mbps (OC12c)	FC6TX/LSAL1	1801.60	1896.42	948.21	(L)

* STS12 is manufactured discontinued and grandfathered to existing customers.
 ** Same rates apply for STS12 or OC12/c Ring Interconnection.
 (L) Formerly on Sheet 338-K.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.11 SONET Ring and Access Services (Cont'd)

	USOC CABS/CRIS (N)	Monthly Rates	Nonrecurring Charges		
			1st	Add'l	
(F) Central Office Access (Cont'd) Ports (Cont'd)					
- per port (Cont'd)					
<u>3 Year Plan</u>					(L)
51 Mbps (STS1 hardwired)	FC6WX/LSAD3	\$ 165.94	\$284.46	\$142.23	(T)
51 Mbps (STS1/DS3)	FC6YX/LSAS3	165.94	284.46	142.23	
51 Mbps (STS1/DS1s)	FC64X/LSAW3	616.34	284.46	142.23	
155 Mbps (OC3/c-48)	FC6UX/LSA43	450.40	284.46	142.23	
155 Mbps (OC3/c-12)	FC6VX/LSAC3	222.83	284.46	142.23	
622 Mbps (STS12)*	FC6ZX/LSAT3	497.81	284.46	142.23	
622 Mbps (OC12/c)**	FC6ZX/LSAT3	497.81	284.46	142.23	
622 Mbps (OC12c)	FC6TX/LSAL3	1611.96	948.21	474.11	(L)

* STS12 is manufactured discontinued and grandfathered to existing customers.
 ** Same rates apply for STS12 or OC12/c Ring Interconnection.
 (L) Formerly on Sheet 338-K.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.11 SONET Ring and Access Services (Cont'd)

	<u>USOC</u>	<u>Monthly</u> <u>Rates</u>	<u>Nonrecurring</u> <u>Charges</u>		
			<u>1st</u>	<u>Add'l</u>	
(F) Central Office Access Ports (Cont'd)					
- per port (Cont'd)					
<u>5 Year Plan</u>					
51 Mbps (STS1 hardwired)	FC6WX/LSAD5	\$ 142.23	no charge		(T)
51 Mbps (STS1/DS3)	FC6YX/LSAS5	142.23	no charge		
51 Mbps (STS1/DS1s)	FC64X/LSAW5	521.52	no charge		
155 Mbps (OC3/c-48)	FC6UX/LSA45	379.28	no charge		
155 Mbps (OC3/c-12)	FC6VX/LSAC5	189.64	no charge		
622 Mbps (STS12)*	FC6ZX/LSAT5	426.69	no charge		
622 Mbps (OC12/c)**	FC6ZX/LSAT5	426.69	no charge		
622 Mbps (OC12c)	FC6TX/LSAL5	1422.32	no charge		(T)

* STS12 is manufactured discontinued and grandfathered to existing customers.

** Same rates apply for STS12 or OC12/c Ring Interconnection.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.11 SONET Ring and Access Services (Cont'd)

	USOC	Monthly Rates	Nonrecurring Charges		
			1st	Add'l	
(G) Primary Node Link					
- per link					
<u>3 Year Plan</u>					
51 Mbps (STS1 hardwired)	NBPWX/PNLB3	\$1,327.49	\$379.28	\$189.64	(T)
51 Mbps (STS1/DS3)	NBPYX/PNLD3	1,327.49	379.28	189.64	
51 Mbps (STS1/DS1)	NBP4X/PNL3	1,659.37	379.28	189.64	
155 Mbps (OC3/c-48)	NBPUX/PNLF3	2,749.81	379.28	189.64	
155 Mbps (OC3/c-12)	NBPVX/PNLE3	1,896.42	379.28	189.64	(T)
<u>5 Year Plan</u>					
51 Mbps (STS1 hardwired)	NBPWX/PNLB5	1,232.67 (R)	None	None	(T)
51 Mbps (STS1/DS3)	NBPYX/PNLD5	1,232.67	None	None	
51 Mbps (STS1/DS1)	NBP4X/PNL3	1,564.55	None	None	
155 Mbps (OC3/c-48)	NBPUX/PNLF5	2,654.99	None	None	
155 Mbps (OC3/c-12)	NBPVX/PNLE5	1,801.60	None	None	(T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.11 SONET Ring and Access Services (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
(H) Optional Features and Functions				
(1) Central Office Multiplexing				
<u>DS3 - DS1</u>				
Month to Month	MQ3/MQ3XM	\$426.69	\$379.28	(T)
1 Year Plan	MQ3/MQ3X1	402.99	331.87	
3 Year Plan	MQ3/MQ3X3	379.28	189.64	
5 Year Plan	MQ3/MQ3X5	355.58	no charge	(T)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.11 SONET Ring and Access Services (Cont'd)

	USOC	Nonrecurring Charges		
		1st	Add'l	
(H) Optional Features and Functions (Cont'd)				
(2) Rollover	CABS/CRIS			(N)
- Per point of termination (same location)				
DS1	NRBRH/NRBRI/SVR*	\$208.61	\$180.16	
DS3	NRBR3/SVR	208.61	180.16	
OC3c	NRBR3/SVR	208.61	180.16	
- Per point of termination (location of termination changes)				
DS1	NRBR0/SVRE1/SVRPT#	379.28	284.46	
DS3	NRBR0/SVRE1/SVRPT#	379.28	284.46	
OC3c	NRBR0/SVRE1/SVRPT#	379.28	284.46	
(3) Shared Network Arrangement				(N)
- Processing charge per service order	NRMCL		\$30.00	(N)

* NRBRH and NRBR1 are used in CABS, SVR is used in CRIS.
 # NRBR0 is used in CABS, SVRE1 and SVRPT are used in CRIS.

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)

(N)

(A) Node

3 Year Plan USOC Monthly Rate

- Customer Premises
 - First, 3 Year Plan GP5++ \$ 22,000.00
 - Additional, 3 Year Plan GP5++ \$ 19,650.00
- Central Office GC5++ \$ 19,650.00

5 Year Plan

- Customer Premises
 - First, 5 Year Plan GP5++ \$ 17,650.00
 - Additional, 5 Year Plan GP5++ \$ 15,700.00
- Central Office GC5++ \$ 15,700.00

Monthly Extension

- Customer Premises
 - First GP5++ \$ 33,000.00
 - Additional, GP5++ \$ 29,475.00
- Central Office GC5++ \$ 29,475.00

USOC Nonrecurring Charge

Nonrecurring Charges for
 Subsequent installation

- Per Node
 - Customer Premises NRBS7 \$ 400.00
 - Central Office NRBSV \$ 325.00

(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) Add/Drop Capability

	<u>USOC</u> CRIS/CABS	<u>Monthly Rate</u>
Per Arrangement (per node)* not to exceed any configurable combination of ports beyond 192 STS-1 equivalents		
3 Year Plan	MXR++	\$ 5,000.00
5 Year Plan	MXR++	4,000.00
Monthly Extension	MXR++	7,000.00

(C) Ports

Per Node Type

- 3 year Plan

- DS3 at OC-192 Node	S9QGX/S9QG3	120.00
- OC-3, OC-3c at OC-192 Node	S9N++	150.00
- OC-12, OC-12c at OC-192 Node	S9N++	375.00
- OC-48, OC-48c at OC-192 Node	S9N++	950.00

- 1 Gbps Ethernet (STS-1) at OC-192 Node	S9TP3/S9TPX	250.00	(N) (N)
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- 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
--	-------------	--------

* Add/Drop charge applies only with initial installation of node equipped with drop capacity. This charge is applied to all nodes, excluding regenerators.

Ethernet Port offering is available only as Prem Access Port.

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)

(C) Ports (Cont'd)

Per Node Type	USOC CRIS/CABS	<u>Monthly Rate</u>	
- 5 year Plan			
- DS3 at OC-192 Node	S9QGX/S9QG5	\$110.00	
- OC-3, OC-3c at OC-192 Node	S9N++	135.00	
- OC-12, OC-12c at OC-192 Node	S9N++	360.00	
- OC-48, OC-48c at OC-192 Node	S9N++	900.00	
- 1 Gbps Ethernet (STS-1) at OC-192 Node	S9TP5	200.00	(N) (N)
- 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	

* Ethernet Port offering is available only as Prem Access Port.

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)

(C) Ports (Cont'd)

	<u>USOC</u> CRIS/CABS	<u>Monthly Rate</u>	
Per Node Type			
- Monthly Extension			
- DS3 at OC-192 Node	S9QGX/S9QGP	\$ 150.00	
- OC-3, OC-3c at OC-192 Node	S9N++	225.00	
- OC-12, OC-12c at OC-192 Node	S9N++	550.00	
- OC-48, OC-48c at OC-192 Node	S9N++	1,425.00	
- 1 Gbps Ethernet (STS-1) at OC-192 Node	S9TPX	350.00	(N) (N)
- 1 Gbps Ethernet* (STS-3c) at OC-192 Node	S9TQX/S9TQX	350.00	
- 1 Gbps Ethernet* (STS-12c) at OC-192 Node	S9TRX/S9TRX	875.00	
- 1 Gbps Ethernet* (STS-24c) at OC-192 Node	S9TSX/S9TSX	1,500.00	

* Ethernet Port offering is available only as Prem Access Port.

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</u>	<u>Nonrecurring Charge</u>	(L)
Nonrecurring charges for subsequent installation			
- Per Port type			(L)
- DS 3	NRB++	\$ 385.00	(N)
- OC3, OC-3c	NRB++	\$ 400.00	(L)
- OC-12, OC-12c	NRB++	\$ 400.00	
- OC-48, OC-48c	NRB++	\$ 425.00	(L)

(D) Mileage

		<u>Monthly Rate¹</u>	(T)
- 3 Year Plan			
Per Mile between nodes	1YA++	260.00	
- 5 Year Plan			
Per mile between nodes ¹	1YA++	220.00	
- Monthly Extension			
Per mile between nodes ¹	1YA++	330.00	

(E) Ring Regenerator

Each (as required)

- 3 Year Plan	RGY++	9,250.00	
- 5 Year Plan	RGY++	7,400.00	
- Monthly Extension	RGY++	13,875.00	

		<u>Nonrecurring Charge</u>	(T)
Nonrecurring charges for subsequent installation of Regenerator			
- Each (as required)	NRBS5	\$ 270.00	

(F) Shared Network Arrangement

Processing Charge			
- Per Service Order	NRMCL	\$ 30.00	

NOTE 1: 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.

(L) Material previously located on sheet 338-Q.

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)

(G) Installation and Administrative Charges

	<u>USOC</u>	<u>Nonrecurring Charge</u>	
Administrative Charge - per Order	ORCMX	\$ 60.00	
Design and Central Office Connection Charge, - per Initial Ring*	NRMCK	2,250.00	(T)

(H) Optical to Electrical Add/Drop Capability

	<u>USOC</u>	<u>Monthly Rate</u>	
Per arrangement# (per node) not to exceed any configurable combination of ports beyond 192 STS-1 equivalents	CABS/CRIS (N)		(T)
3 Year Term	MXJGX/MXJG+	\$2,500.00	
5 Year Term	MXJGX/MXJG+	2,000.00	
Monthly Extension	MXJGX/MXJG+	3,500.00	

(I) Nonrecurring Charges for Ethernet Port

- Per Ethernet Port, applicable to existing OC-192 Ring service only			(N)
(1) 1 Gbps at at OC-192 Node	NRBY5	215.00	(N)

* Per Ring charge for OC192 Dedicated SONET Ring Service is applied per original Ring installed. (T)

The Optical to Electrical Add/Drop Capability is in addition to the Add/Drop Capability charge preceding. (T)

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	LN VX1	\$3,300.00	\$1,500.00	
- 2 Year Plan	LN VX2	3,100.00	1,500.00	
- 3 Year Plan	LN VX3	2,850.00	1,500.00*	(N)
- 5 Year Plan	LN VX5	2,500.00	1,500.00*	(N)
- Monthly Extension	LN VXM	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			
0	1L5X1	None	None
Over 0	1L5X1	\$250.00	\$125.00
- 2 Year Plan			
0	1L5X2	None	None
Over 0	1L5X2	\$225.00	\$115.00
- 3 Year Plan			
0	1L5X3	None	None
Over 0	1L5X3	\$200.00	\$100.00
- 5 Year Plan			
0	1L5X5	None	None
Over 0	1L5X5	\$100.00	\$75.00
- Monthly Extension			
0	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>
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(C) Optional Features

(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)

(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>			
(4) Repeater*			
- per GigaMAN service arranged			
- 1 Year Plan	VU4X1	\$ 2,400.00	None
- 2 Year Plan	VU4X2	1,700.00	None
- 3 Year Plan	VU4X3	1,150.00	None
- 5 Year Plan	VU4X5	850.00	None
- Monthly Extension	VU4XP	2,500.00	None

* Applies to additional Repeaters required to provision the service.
 Does not apply to the first Repeater designed with the service.

(N)

Continued

ACCESS SERVICE				(N)
7. <u>Special Access Service</u> (Cont'd)				
7.5 <u>Rates and Charges</u> (Cont'd)				
7.5.13 <u>GigaMAN[®] Service</u> (Cont'd)				
	<u>USOC</u>	<u>Monthly Rate</u>	<u>NonRecurring Charge</u>	
(C) <u>Optional Features</u> (Cont'd)				
(5) Equipment Only Protection				
- per GigaMAN [®] service arranged				
- 1 Year Plan	CPAE1	\$1,375.00	\$625.00	
- 2 Year Plan	CPAE2	1,225.00	625.00	
- 3 Year Plan	CPAE3	1,050.00	625.00	
- 5 Year Plan	CPAE5	900.00	625.00	
- Monthly Extension Rate	CPAEP	1,500.00	625.00	
(6) Equipment Plus Fiber Path Protection				
(a) Equipment Plus Alternate Wire Center Path Protection - Per Terminating End				
- per GigaMAN [®] service arranged				
- 1 Year Plan	CPAF1	2,050.00	1,400.00	
- 2 Year Plan	CPAF2	1,840.00	1,400.00	
- 3 Year Plan	CPAF3	1,600.00	1,400.00	
- 5 Year Plan	CPAF5	1,400.00	1,400.00	
- Monthly Extension Rate	CPAFP	2,460.00	1,400.00	
(b) Equipment Plus Channel Termination Path Protection				
- per GigaMAN [®] service arranged				
- 1 Year Plan	CPAG1	1,825.00	1,225.00	
- 2 Year Plan	CPAG2	1,650.00	1,225.00	
- 3 Year Plan	CPAG3	1,425.00	1,225.00	
- 5 Year Plan	CPAG5	1,225.00	1,225.00	
- Monthly Extension Rate	CPAGP	2,190.00	1,225.00	(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>
3 Year Plan	TMECS	\$1,700.00
5 Year Plan	TMECS	1,300.00
Monthly Extension	TMECS	2,275.00

(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

(T)
 |
 (T)

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) (N)

(A) OC-3/OC-3c (Cont'd)

(3) Optional Features and Functions

(a) OC-3 Add/Drop Multiplexing*

- per arrangement

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>
3 Year Plan	MPECX	\$1,200.00	None
5 Year Plan	MPECX	950.00	None
Monthly Extension	MPECX	1,650.00	None
(b) Add/Drop Function			
- Per DS3	MXJBX	150.00	None
- Per DS1	MXJAX	55.00	None
(c) 1+1 Protection			
- per OC-3/OC-3c Channel Termination/ Local Distribution Channel	P8T	350.00	None
(d) 1+1 Protection with Cable Survivability			
- Per OC-3/OC-3c Channel Termination/ Local Distribution Channel	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) (N)

(A) OC-3/OC-3c (Cont'd)

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

(e) 1+1 Protection with Route Survivability

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>	
- Per OC-3/OC-3c Channel Termination/Local Distribution Channel	P8T	Apply P8T above plus Quarter mile rate following (P8T + S2DXY)		(N)
- Per Quarter Route Mile	S2DXY	\$ 50.00	None	(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) (N)

(A) OC-3/OC-3c (Cont'd)

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

(f) Shared Network Arrangement,

- Processing Charge per service order

<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>	
NRBOP	None	\$ 30.00	(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)

(B) OC-12/OC-12c

(1) Channel Termination/Local
 Distribution Channel
 - per Point of Termination

	USOC CABS/CRIS	<u>Monthly Rate</u>
3 Year Plan	TMECS	\$4,000.00
5 Year Plan	TMECS	3,000.00
Monthly Extension	TMECS	5,250.00

(2) Mileage/Interoffice
 Transport

(a) Fixed

3 Year Plan			(T)
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	(T)

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) (N)

(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>Monthly Rate</u>	<u>Nonrecurring Charges</u>
3 Year Plan	MPEDX	\$ 2,800.00	None
5 Year Plan	MPEDX	2,100.00	None
Monthly Extension	MPEDX	3,575.00	None
(b) Add/Drop Function			
- per OC-3	MXJCX	250.00	None
- per DS-3	MXJBX	150.00	None
(c) 1+1 Protection			
- per OC-12/OC-12c Channel Termination/ Local Distribution Channel	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. (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) (N)

(B) OC-12/OC-12c (Cont'd)

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

(d) 1+1 Protection with Cable Survivability

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>
- per OC-12/OC-12c Channel Termination/Local Distribution Channel	P3S	\$ 400.00	\$ 600.00

(e) 1+1 Protection with Route
Survivability

- per OC-12/OC-12c Channel Termination/Local Distribution Channel	P8T	Apply P8T above plus Quarter mile rate following (P8T + S2DXY)	
- Per Quarter Route Mile	S2DXY	\$ 100.00	None (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) (N)

(B) OC-12/OC-12c (Cont'd)

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

(f) Shared Network Arrangement

- processing Charge per service order

<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>	
NRBOP	None	\$ 30.00	(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-48/48c

(1) Channel Termination/Local Distribution Channel
 - per Point of Termination

	USOC CABS/CRIS	Monthly Rate
3 Year Plan	TMECS	\$ 9,800.00
5 Year Plan	TMECS	7,000.00
Monthly Extension	TMECS	12,500.00

(2) Mileage/Interoffice
 Transport

(a) Fixed

3 Year Plan			(T)
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	(T)

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) (N)

(C) OC-48/OC-48c (Cont'd)

(4) Optional Features and Functions

(a) Add/Drop Multiplexing

- Per arrangement

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>
3 Year Plan	MXRFX	\$ 4,625.00	None
5 Year Plan	MXRFX	3,700.00	None
Monthly Extension	MXRFX	6,375.00	None

(b) Add/Drop Function

- Per OC-12	MXJEX	625.00	None
- Per OC-3	MXJCX	250.00	None
- Per DS-3	MXJBX	150.00	None

(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) (N)

(C) OC-48/OC-48c (Cont'd)

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

(c) 1+1 Protection

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>	
- Per OC-48/OC-48c Channel Termination/Local Distribution Channel	P8T	\$ 1,200.00	None	
(d) 1+1 Protection with Cable Survivability,				
- Per OC-48/OC-48c Channel Termination/Local Distribution Channel	P3S	1,200.00	\$ 700.00	(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) (N)

(C) OC-48/OC-48c (Cont'd)

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

(e) 1+1 Protection with Route Survivability

- per OC-48/OC-48c Channel
 Term/Local Distribution
 Channel

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>
- per OC-12/OC-12c Channel Termination/Local Distribution Channel	P8T	Apply P8T above plus Quarter mile rate following (P8T + S2DXY)	

- Per Quarter Route Mile S2DXY \$ 125.00 None

(f) Point-to-Point OC-48
 Regenerator

- each RGY48 5,500.00 None

(g) Shared Network Arrangement,

- Processing Charge per
 service order NRBOP None \$ 30.00 (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

(N)

(1) Channel Termination/Local Distribution Channel
 - per Point of Termination

	USOC <u>CABS/CRIS</u>	<u>Monthly Rate</u>
3 Year Plan	TMECS	\$29,400.00
5 Year Plan	TMECS	21,000.00
Monthly Extension	TMECS	36,000.00

(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)

(N)

(4) Optional Features and Functions

(a) OC-192 Add/Drop Multiplexing*

- Per arrangement

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
3 Year Plan	MXRGX	\$12,000.00	None
5 Year Plan	MXRGX	9,600.00	None
Monthly Extension	MXRGX	16,800.00	None

(b) Add/Drop Function

- Per OC-48	MXJFX	1,800.00	None
- Per OC-12	MXJEX	625.00	None
- Per OC-3	MXJCX	250.00	None

* 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) (N)

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

(c) 1+1 Protection

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>	
- Per OC-192/OC-192c Channel Termination/Local Distribution Channel	P8T	\$ 2,700.00	None	(N)
(d) 1+1 Protection with Cable Survivability,				
- Per OC-192/OC-192c Channel Termination/Local Distribution Channel	P3S	2,700.00	\$800.00	(N)
(e) 1+1 Protection with Route Survivability				
- per OC-192/OC-192c Channel Term/Local Distribution Channel	P8T	Apply P8T above plus Quarter mile rate following (P8T + S2DXY)		(N)
- Per Quarter Route Mile	S2DXY	\$ 150.00	None	

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-19/OC-192c (Cont'd) (N)

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

(f) Point-to-Point OC-192 Regenerator

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>
- each	RGY	\$11,000.00	None

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)

(E) Nonrecurring Charges

	<u>USOC</u>	<u>Nonrecurring Charge</u>	
Administrative Charge,			
- per order			
OC-3/OC-3c	ORCMX	\$ 60.00	
OC-12/OC-12c	ORCMX	60.00	
OC-48/OC48c	ORCMX	60.00	
OC-192/OC-192c	ORCMX	60.00	(N)
Design and Central Office Connection Charge,			
- per circuit			
OC-3/OC-3c	NRMCK	375.00	
OC-12/OC-12c	NRMCK	375.00	
OC-48/OC-48c	NRMCK	500.00	
OC-192/OC-192c	NRMCK	2,250.00	(N)
Customer Connection Charge,			
- per termination			
OC-3/OC-3c	NRBBL	450.00	
OC-12/OC-12c	NRBBL	450.00	
OC-48/OC-48c	NRBBL	600.00	
OC-192/OC-192c	NRBBL	600.00	(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Individual Case Filings

Rates and charges for Special Access provided on an Individual Case Basis are filed following:

Case No.

93-01 State of California
(ICB No. 92N-12-01)

To provide one DS3 facility between the State of California State Carrier Interface Point (CSCIP) at 1115 P Street, Sacramento and the U.S. Sprint POP at 1530 C Street, Sacramento. Hand-off is DS3 electrical at both ends.

	<u>Installation Charge</u>	<u>Monthly Rate</u>	<u>USOC</u>
DS3 Channel Termination	\$10200.00	None	TWTDQ

The length of the service period will be 3 years.

Case No.

93-02 State of California
(ICB No. 92N-12-01)

To provide one DS3 facility between the State of California State Carrier Interface Point (CSCIP) at 525 Golden Gate Ave., San Francisco and the U.S. Sprint POP at 185 Berry Street, San Francisco. Hand-off is DS3 electrical at both ends.

	<u>Installation Charge</u>	<u>Monthly Rate</u>	<u>USOC</u>
DS3 Channel Termination	\$ 9975.00	None	TWIDR
DS3 Channel Mileage	<u>13400.00</u>	None	1LOAK
Total System	\$23375.00	None	

The length of the service period will be 3 years.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

(D)

(D)

Continued

Advice Letter No. 15908
Decision No.

Issued by
M. J. Miller
Regulatory Vice President

Date Filed: Mar. 7, 1991
Effective: APR 16 1991
Resolution No.

ACCESS SERVICE

7. Special Access Service (Cont'd)

(D)

(D)

Continued

Advice Letter No. 15931

Issued by

Date Filed: Apr. 5, 1991

Decision No.

M. J. Miller

Effective: MAY 15 1991

Regulatory Vice President

Resolution No.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Individual Case Filings (Cont'd)

Rates and charges for Special Access provided on an Individual Case Basis are filed following:

Case No.

88-1 MCI
 (ICB 8108-001)

(N)

To provide one DS3 service (44.736 Mbps) between MCI Telecommunications Corporation's Point of Presence (POP) at 700 South Flower, Los Angeles, and the Point of Interface to General Telephone providing DS3 services for Whittier served from Pacific Bell's ALHBCA01 Central Office.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>USOC</u>
Channel Termination	\$ 578.00	\$ 250.00	TWTAV
Special Transport	1926.00	0.00	1LOAD
Total System	\$ 2504.00	\$ 250.00	

A termination charge will be equal to \$150,490.00 to be reduced by the total dollar amount of the payments made by the customer for this service at the time of termination. The length of the service period shall be five years.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Individual Case Filings (Cont'd)

Rates and charges for Special Access provided on an Individual Case Basis are filed following: (Cont'd)

<u>Case No.</u>	(N)
88-2 MCI (ICB 8104-002)	

To provide one DS3 service (44.736 Mbps) between MCI Telecommunications Corporation's Point of Presence (POP) at 925 "L" Street, Sacramento, and the Pacific Bell Central Office in Sacramento (SCRMCA01). This service to connect to the State of California Lottery communications system provided by Pacific Bell in SCRMCA01 under 96A contract agreement.

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>USOC</u>
Channel Termination	\$ 697.00	\$ 250.00	TWIAW
Special Transport	0.00	0.00	1LOAE
Total System	\$ 697.00	\$ 250.00	

A termination charge will be equal to \$42,070.00 to be reduced by the total dollar amount of the payments made by the customer for this service at the time of termination. The length of the service period shall be five years.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Individual Case Filings (Cont'd)

(N)

Rates and charges for Special Access provided on an Individual Case Basis are filed following: (Cont'd)

Case No.

91-1 State of California
(ICB No. 90N-07-06.B)

To provide one DS3 between 31 E. Channel Street, Stockton and SKINCA01. Handoff at the customer premises will be DS3 electrical and 28 DS1's at SKINCA01.

	<u>Installation Charge</u>	<u>Monthly Rate</u>	<u>Basic** Termination Charge</u>	<u>USOC</u>
Channel Termination	\$26750.00	\$1475.00	\$0.00	TWTAL
<u>Multiplexing</u>	<u>0.00</u>	<u>1375.00</u>	<u>14600.00</u>	MXBAW
Total System	\$26750.00	\$2850.00	\$14600.00	

The length of the service period shall be 3 years.

** Basic Termination Charge - To be reduced 1/36th with each monthly payment. (N)
Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Individual Case Filings (Cont'd)

(N)

Rates and charges for Special Access provided on an Individual Case Basis are filed following: (Cont'd)

Case No.

91-2 State of California
 (ICB No. 90N-10-01)

To provide one DS3 from the MCI POP located at 242 N. Sutter Street, Stockton to the SKINCA01 Central Office. Handoff at the MCI POP is DS3 electrical and 28 DS1's at SKINCA01

	<u>Installation Charge</u>	<u>Monthly Rate</u>	<u>Basic** Termination Charge</u>	<u>USOC</u>
Channel Termination	\$36550.00	\$2000.00	\$0.00	TWT2
<u>Multiplexing</u>	<u>0.00</u>	<u>1375.00</u>	<u>14600.00</u>	MXBAX
Total System	\$36550.00	\$3375.00	\$14600.00	

The length of the service period shall be 3 years.

** Basic Termination Charge - To be reduced 1/36th with each monthly payment. (N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Individual Case Filings (Cont'd)

Rates and charges for Special Access provided on an Individual Case Basis are filed following: (Cont'd)

(D)

(D)

Continued

Advice Letter No. 16405
Decision No.

Issued by
A. E. Swan
Executive Director

Date Filed: Dec. 9, 1992
Effective: JAN 18, 1993
Resolution No.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Individual Case Filings (Cont'd)

Rates and charges for Special Access provided on an Individual Case Basis are filed following: (Cont'd)

(D)

(D)

Continued

Advice Letter No. 16405
Decision No.

Issued by
A. E. Swan
Executive Director

Date Filed: Dec. 9, 1992
Effective: JAN 18 1993
Resolution No.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Individual Case Filings (Cont'd)

Rates and charges for Special Access provided on an Individual Case Basis are filed following: (Cont'd)

(D)

(D)

Continued

Advice Letter No. 16405
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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Individual Case Filings

Rates and Charges for Special Access provided on an Individual Case Basis are filed following: (Cont'd)

Case No.

(N)

91-9 State of California
(ICB No. 90N-10-12)

To provide one DS3 between 525 Golden Gate, San Francisco and So. Pacific POP at 60 Federal Street, San Francisco. Hand-off is DS3 electrical at both ends. DS3 portion from 525 Golden Gate to SNFCCA04 is priced and being paid for under the Calnet 96A contract.

	<u>Monthly Rate</u>	<u>USOC</u>
Channel Termination	\$1200.00	TWTA6
Channel Mileage	1100.00	1LOAG
Total System	\$2300.00	

The length of the service period shall be 3 years.

(N)

Continued

Advice Letter No. 15939
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Resolution No. MAY 28 1991

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Individual Case Filings

Rates and Charges for Special Access provided on an Individual Case Basis are filed following: (Cont'd)

Case No.

91-10 State of California
(ICB No. 90N-10-13)

To provide one DS3 between 525 Golden Gate, San Francisco and the WILTEL POP at 274 Brannan St., San Francisco. Hand-off is DS3 electrical at both ends. DS3 portion from 525 Golden Gate to SNFCCA04 is priced and being paid for under the Calnet 96A contract.

	<u>Monthly Rate</u>	<u>USOC</u>
Channel Termination	\$1200.00	TWTA7
Channel Mileage	1100.00	1LOAH
Total System	\$2300.00	

The length of the service period shall be 3 years.

(N)

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Individual Case Filings

Rates and Charges for Special Access provided on an Individual Case Basis are filed following: (Cont'd)

Case No.

(N)

91-11 State of California
(ICB No. 90N-10-14)

To provide one DS3 between 1115 P Street, Sacramento and So. Pacific POP at 770 L Street, Sacramento. Hand-off is DS3 electrical at both ends. DS3 portion from 1115 P Street to SCRMCA01 is priced and being paid for under the Calnet 96A contract.

	<u>Monthly Rate</u>	<u>USOC</u>
Channel Termination	\$1200.00	TWTA8

The length of the service period shall be 3 years.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Individual Case Filings (Cont'd)

Rates and charges for Special Access provided on an Individual Case Basis are filed following: (Cont'd)

Case No.

91-6 State of California
(ICB No. 90N-10-09)

(N)

To provide one DS3 between 107 S. Broadway, Los Angeles and the MCI POP at 624 S. Grand, Los Angeles. Hand-off is DS3 electrical at both ends. DS3 portion from 107 S. Broadway to LSANCA03 is priced and being paid for under the Calnet 96A contract.

	<u>Installation Charge</u>	<u>Monthly Rate</u>	<u>USOC</u>
Channel Termination	None	\$1200.00	TWTA3

The length of the service period shall be 3 years.

(N)

Continued

Advice Letter No. 15948
Decision No.

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Regulatory Vice President

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Individual Case Filings (Cont'd)

Rates and charges for Special Access provided on an Individual Case Basis are filed following: (Cont'd)

Case No.

91-7 State of California
(ICB No. 90N-10-10)

To provide one DS3 between 1350 Front St., San Diego and the MCI POP at 8925 Complex Dr., San Diego. Hand-off is DS3 electrical at both ends. DS3 portion from 1350 Front St. to SNDGCA01 is priced and being paid for under the Calnet 96A contract.

	<u>Installation Charge</u>	<u>Monthly Rate</u>	<u>USOC</u>
Channel Termination	None	\$1200.00	TWTA4
Channel Mileage	None	\$1700.00	1LOAJ
Total System	None	\$2900.00	

The length of the service period shall be 3 years.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Individual Case Filings (Cont'd)

Rates and charges for Special Access provided on an Individual Case Basis are filed following: (Cont'd)

Case No.

91-8 State of California
(ICB No. 90N-10-11)

To provide one DS3 between 107 S. Broadway, Los Angeles and the WILTEL POP at 624 S. Grand, Los Angeles. Hand-off is DS3 electrical at both ends. DS3 portion from 107 S. Broadway to LSANCA03 is priced and being paid for under the Calnet 96A contract.

	<u>Installation Charge</u>	<u>Monthly Rate</u>	<u>USOC</u>
Channel Termination	None	\$1200.00	TWTA5

The length of the service period shall be 3 years.

(N)

(N)

Continued

Advice Letter No. 15950

Decision No.

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Resolution No.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Individual Case Filings (Cont'd)

Rates and charges for Special Access provided on an Individual Case Basis are filed following: (Cont'd)

Case No.

91-12 State of California
(ICB No. 90N-11-02)

To provide one DS3 between 107 S. Broadway, Los Angeles and the MCI POP at 624 S. Grand, Los Angeles. Hand-off is DS3 electrical at both ends. DS3 portion from 107 S. Broadway to LSANCA03 is priced and being paid for under the Calnet 96A contract.

	<u>Installation Charge</u>	<u>Monthly Rate</u>	<u>USOC</u>
Channel Termination	None	\$1200.00	TWTA9

The length of the service period shall be 3 years.

(N)

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Individual Case Filings (Cont'd)

Rates and charges for Special Access provided on an Individual Case Basis are filed following: (Cont'd)

Case No.

92-01 State of California
(ICB No. 92N-07-10)

To provide one DS3 facility between the State of California State Carrier Interface Point (CSCIP) at 107 S. Broadway, Los Angeles and the MCI POP at 624 S. Grand, Los Angeles. Hand-off is DS3 electrical at both ends.

	<u>Installation Charge</u>	<u>Monthly Rate</u>	<u>USOC</u>
DS3 Facility	\$32,225.00	NONE	TWDO

The length of the service period will be 3 years.

(N)

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Individual Case Filings (Cont'd)

Rates and charges for Special Access provided on an Individual Case Basis are filed following: (Cont'd)

Case No.

(N)

92-02 Visa International Service Association
(ICB No. 92N-07-11)

To provide one DS3 facility between the Utility's Central Office SNMTCAll and the customer's premises at 3000 Clearview Avenue, San Mateo. The Utility will multiplex the DS3 service to 28 DS1s at the Central Office. Handoff at the customer's premises will be optical. The customer will be responsible for providing a fiber optic terminal and multiplexer at their premises.

	<u>Termination Charge</u>	<u>Monthly Rate</u>	<u>USOC</u>
Channel Termination	\$26,850.00	\$1,850.00	TWIDP
Multiplexing	<u>8,800.00</u>	<u>550.00</u>	MXBAZ
DS3 Facility	\$35,650.00	\$2,400.00	

The length of the service period will be 5 years. The above Termination Charge will be reduced by the total amount of the payments made by the applicant for the service at the time of discontinuance.

(N)

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

Material omitted now in different form on Sheets 274 through 275.

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M. J. Miller

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ACCESS SERVICE

7. Special Access Service (Cont'd)

Material omitted now in different form on Sheets 274 through 275.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

Material omitted now in different form on Sheets 274 through 275.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

Material omitted now in different form on Sheets 274 through 276.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

Material omitted now in different form on Sheets 276, 277 and 278.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

Material omitted now in different form on Sheets 276, 277 and 278.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

Material omitted now in different form on Sheets 276, 277 and 278.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

Material omitted now in different form on Sheets 276, 277 and 278.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

Material omitted now in different form on Sheets 276, 277 and 278.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

Material omitted now in different form on Sheets 276, 277 and 278.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

Material omitted now on Sheet 277-B.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

Material omitted now in different form on Sheets 276, 277 and 278.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

Material omitted now in different form on Sheets 279 through 283.

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7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

Material omitted now in different form on Sheet 391.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

Material omitted now in different form on Sheet 291.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

Material omitted now in different form on Sheets 292 and 293.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

Material omitted now in different form on Sheet 293 and 295.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

Material omitted now in different form on Sheets 295 and 296.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

Material omitted now in different form on Sheets 295, 296 and 297.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

Material omitted in different form on Sheets 301 and 302.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

(D)

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Material omitted now on Sheet 302.

Continued

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

(D)

(D)

Material omitted now in different form on Sheet 304.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

Material omitted now in different form on Sheets 305, 306 and 307.

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7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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By: [Signature] Director - State Regulatory

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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