

ACCESS SERVICE

7. Special Access Service

7.1 General

Special Access Service provides a transmission path to connect customer designated premises* or a customer designated premises and a WATS serving office, either directly or through a Telephone Company Hub where bridging or multiplexing functions are performed or to connect a customer designated premises and a Telephone Company Hub where cross-connection functions are performed. Special Access Service includes all exchange access not utilizing Telephone Company 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.

Rates and charges for Special Access Service are set forth in Section 7.5 following, with the exception of the services provided by the Telephone Company in the Metropolitan Statistical Areas (MSAs) in which the Telephone Company has received Phase II pricing flexibility pursuant to Subpart H of Part 69 of the Commission's Rules. The rates and charges for the Special Access Service in the MSAs that have received Phase II pricing flexibility are set forth in Section 21.

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7.1.1 Channel Types

There are eleven 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

Customers can order a basic channel and select, from a list of available transmission parameters and network 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.

* Telephone Company Centrex CO-like switches, Telephone Company Answering Service Concentrators, and Telephone Company Direct Inward Dialing (DID) facility locations are considered to be customer premises for purposes of administering regulations and rates of Section 7 of this tariff and, in the case of DID facility locations, only to permit customers to provide DID service to Radio Common Carriers.

(This page filed under Transmittal No. 1345)

ACCESS SERVICE

7. Special Access (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

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.

Direct Analog - A channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz.

Dedicated Access Line (DAL) - a channel from a customer designated premises to a WATS serving office for 800 Service, WATS or similar services.

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

Video - a channel for the analog or digital transmission of a standard 525 line/60 field monochrome or National Television Systems Committee color video signal and from one to four associated 5 or 15 kHz audio signals. The bandwidth for an analog Video channel is either 30 Hz to 4.5 MHz or 30 Hz to 6.6 MHz. The bandwidth for an Supertrunking Video Service analog video signal is from 54 MHz to 750 MHz. The bit rate for a digital Video channel is 45 Mbps. (T)

Wideband Analog* - a channel for transmission of wideband signals. The bandwidths are from 60 to 108 kHz (Group), from 312 to 552 kHz (Supergroup), from 564 to 3084 kHz (Mastergroup), from 300 Hz to 18 kHz, from 29 to 44 kHz or from 28 to 44 kHz.

* Wideband Analog Service is limited to circuits in place as of August 11, 1988. Only changes which do not result in the establishment of a new minimum service period are allowed for these circuits.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

Wideband Data* - an analog channel for the transmission of synchronous serial data at rates of 19.2, 50.0 or 230.4 kbps or asynchronous serial data at rates of up to 19.2, 50.0 or 230.4 kbps. (Optional arrangements of synchronous serial data at 18.75 or 40.8 kbps, are available as set forth in 7.2.7(A) and (C) following).

Base Rate Services - a channel for the digital transmission of serial data at discrete bit rates of 2.4, 4.8, 9.6, 19.2, 56.0 and 64.0 Kbps. (T)

DS1 Service - a channel for the digital transmission of serial data at a discrete bit rate of 1.544 Mbps. (T)

DS3 Service - a channel for the digital transmission of serial data at the discrete bit rate of 44.736 Mbps. (T)

OC-3 Service - a channel for the optical transmission of data based upon the Synchronous Optical Network (SONET) at a rate of 155.52 Mbps. (T)

OC-12 Service - a channel for the optical transmission of data based upon the Synchronous Optical Network (SONET) at a rate of 622.08 Mbps. (T)

OC-48 Service - a channel for the optical transmission of data based upon the Synchronous Optical Network (SONET) at a rate of 2488.32 Mbps. (T)

OC-192 Service - a channel for the optical transmission of data based upon the Synchronous Optical Network (SONET) at the rate of 9953.28 Mbps. (T)

* Wideband Data Service is limited to circuits in place as of August 11, 1988. Only changes which do not result in the establishment of a new minimum service period are allowed for these circuits.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

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

The customer also has the option of ordering direct analog service, or DS1 or DS3 Service operating at terminating speeds of 1.544 Mbps or 44.736 Mbps, to a Telephone Company Hub for multiplexing to individual channels of a lower capacity or bandwidth. Descriptions of the types of multiplexing available at the Hubs, as well as the number of individual channels which may be derived from each type of facility are set forth in 7.2 following. Additionally, the customer may specify optional features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the optional features and functions available are also set forth in 7.2 following.

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For example, a customer may order a 44.736 Mbps facility from a customer designated premises to a Telephone Company Hub for multiplexing to twenty eight 1.544 Mbps channels. The 1.544 Mbps channels may be further multiplexed at the same or a different Hub to Direct Analog Service or Wideband Analog* (i.e., Group Level) channels or may be extended to other customer designated premises. Optional features may be added to either the 1.544 Mbps or the Direct Analog Service Channels.

Supertrunking Video Service (SVS) may be ordered between customer designated premises or from a customer designated premises to a Telephone Company Central Office for the purposes of splitting the video signal for distribution to multiple customer premises in a multipoint circuit.

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Multichannel Video Service (MVS) may be ordered as MVS-A Hub Transport, between a Customer designated premises and a Telephone Company Video Hub for cross connecting to other video services, or as MVS-A Customer Premises transport, between customer designated premises via a Telephone Company Central Office.

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Wideband Analog Video Service (WAVS) and Serial Component Video Service may be ordered between customer designated premises.

* Wideband Analog Service is limited to circuits in place as of August 11, 1988.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Rate Categories

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

- Local Distribution Channel (described in 7.1.2(A) following)
- Channel Mileage Termination (described in 7.1.2(B) following)
- Channel Mileage (described in 7.1.2(C) following)
- Optional Features and Functions (described in 7.1.2(D) following).

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Certain material on this page previously appeared on 8th revised Page 234.

(TR955)

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Director, Federal Regulatory Planning & Policy, 4G62
2000 W. Ameritech Center Drive
Hoffman Estates, Illinois 60196-1025

ACCESS SERVICE

7. Special Access Service (cont'd)

7.1 General (cont'd)

7.1.2 Rate Categories (cont'd)

(A) Local Distribution Channel

The Local Distribution Channel 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 Local Distribution Channel is a standard network 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 (D) following. One Local Distribution Channel 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 co-located in a Telephone Company building.

DS3 Local Distribution Channels with an Optical Interface are composed of two rate elements; DS3 Service Packages (SP) and DS3 Service Channels (SC).

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(B) Channel Mileage Termination

The Channel Mileage Termination rate category provides for the termination of transmission facilities between the serving wire centers associated with two customer designated premises, between a serving wire center associated with a customer designated premises and a Telephone Company Hub, between a serving wire center associated with a customer designated premises and an international boundary point, between a serving wire center associated with a customer designated premises and a WATS serving office, or between two Telephone Company Hubs. All of these transmission facilities so terminated are categorized as Channel Mileage, as described below. One Channel Mileage Termination charge applies per end of Channel Mileage terminated in the Telephone Company's serving area. The Channel Mileage Termination charge does not apply to circuits which have no Channel Mileage.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Rate Categories

(C) Channel Mileage

The Channel Mileage rate category provides for the transmission facilities between the serving wire centers associated with two customer designated premises, between a serving wire center associated with a customer designated premises and a Telephone Company Hub, between a serving wire center associated with a customer designated premises and an international boundary point, between a serving wire center associated with a customer designated premises and a WATS serving office, or between two Telephone Company Hubs. One Channel Mileage charge applies per mile of interoffice transport, calculated as described in 7.4.6, following.

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(D) Optional Features and Functions

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

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Assistant Vice President
10 S. Wacker Drive, Floor 22
Chicago, Illinois 60606

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Rate Categories (Cont'd)

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

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 Telephone Company designated serving wire center at which bridging, multiplexing or cross-connection functions are performed. The bridging functions performed are to connect three or more customer designated premises in a multipoint arrangement. The multiplexing functions are to channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth. Hubs for multiplexing may be designated as Intermediate or Terminus Hubs as set forth in 2.6 preceding. The cross-connection functions provide for the connection of two digital services of the same bit rate at Fiber Hub locations set forth in 7.4.10, following.

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

7.1.3 Service Configurations

There are two types of service configurations over which Special Access Services are provided: two-point service and multipoint service.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(A) Two-Point Service

A two-point service connects two customer designated premises or a customer designated premises and a wire center for connection with other network services (e.g., WATS) either on a directly connected basis or through a Hub where multiplexing functions are performed.

Applicable rate elements are:

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

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* Only one Local Distribution Channel will apply for Dedicated Access Line Service. Certain material on this page previously appeared on 4th Revised Page 236.

ACCESS SERVICE

7. Special Access Service (Cont'd)

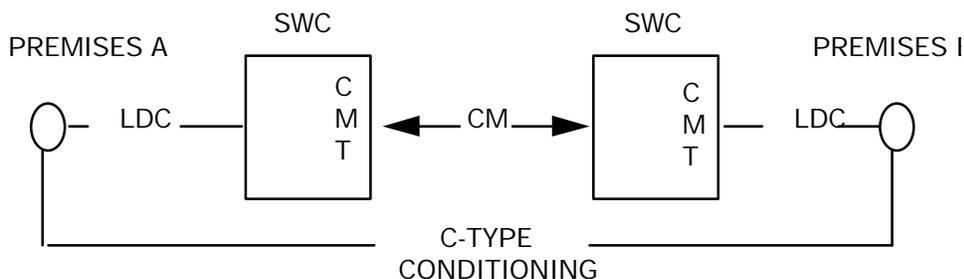
7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

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

In addition, a Special Access Surcharge as set forth in 7.4.2 following and a Message Station Equipment Recovery charge as set forth in 7.4.3 following may be applicable.

The following diagram depicts a two-point Direct Analog Service connecting two customer designated premises located 15 miles apart. The service is provided with C-Type conditioning.



- ldc - local distribution channel
- CMT - mileage termination
- cm - channel mileage
- swc - serving wire center

Applicable rate elements are:

- Local Distribution Channel (two applicable)
- Channel Mileage Termination (two applicable)
- Channel Mileage (15 miles)
- C-Type Conditioning Optional Feature (two applicable)

ACCESS SERVICE

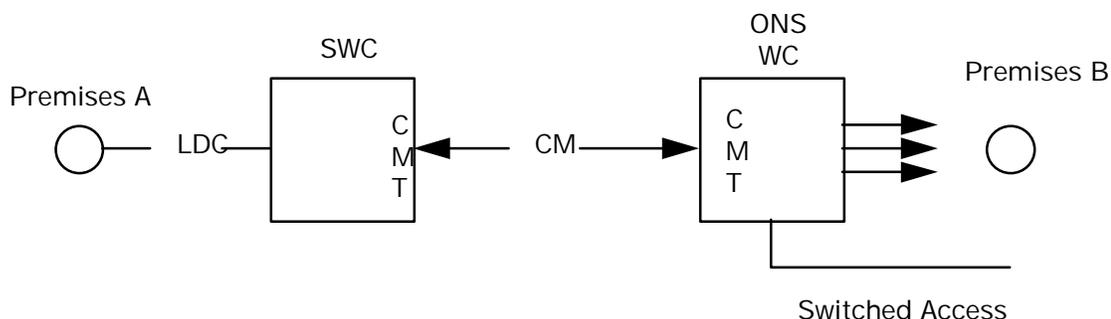
7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

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

The following diagram depicts a Dedicated Access Line Service where the other network service (e.g., WATS) serving office is 10 miles from serving wire center of the customer designated premises.



- LDC - Local Distribution Channel
- CMT - Channel Mileage Termination
- CM - Channel Mileage
- SWC - Serving Wire Center
- ONS - Other Network Service Wire Center (e.g., WATS)

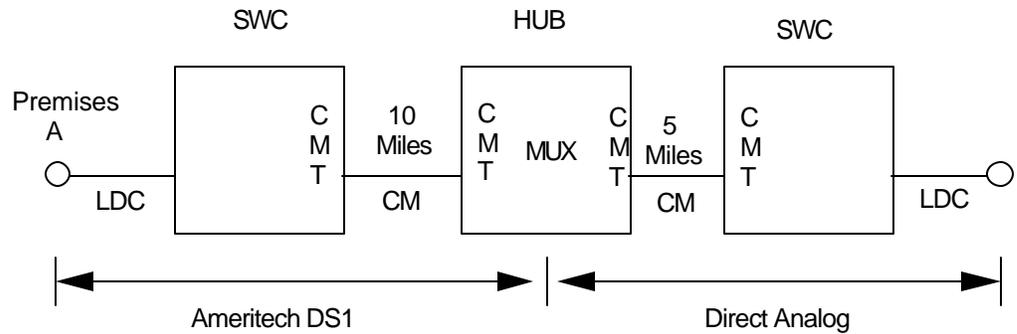
Applicable rate elements are:

- Local Distribution Channel (one applicable)
- Channel Mileage Termination (two applicable)
- Channel Mileage (10 miles)
- Switched Access (see Section 6)

ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.1 General (Cont'd)
 - 7.1.3 Service Configuration (Cont'd)
 - (A) Two-Point Service (Cont'd)

The following diagram depicts a two-point service, with Premises A served by DS1 Service and Premises B served by Direct Analog Service, multiplexed at an Intermediate Hub located 10 miles from the serving wire center for Premises A and 5 miles from the serving wire center for Premises B.



- LDC - Local Distribution Channel
- CMT - Channel Mileage Termination
- CM - Channel Mileage
- MUX - DS1 to Voice Multiplexing
- SWC - Serving Wire Center

Applicable rate elements are:

- Local Distribution Channel
 - 1 Ameritech DS1
 - 1 Direct Analog
- Channel Mileage Termination
 - 2 Ameritech DS1
 - 2 Direct Analog
- Channel Mileage
 - 10 Ameritech DS1
 - 5 Direct Analog
- Multiplexing
 - 1 Ameritech DS1 to Voice/Base Rate

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ACCESS SERVICE

7. Special Access Service (Cont'd)

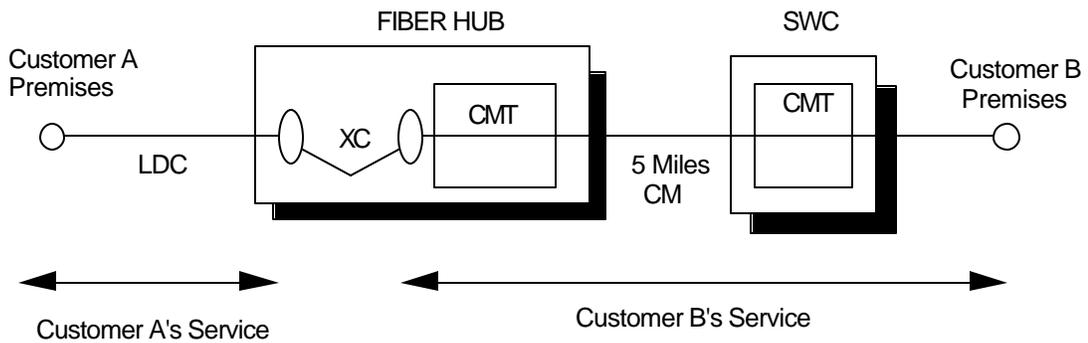
7.1 General (Cont'd)

7.1.3 Service Configuration (Cont'd)

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

The following diagram depicts two two-point DS3 Services cross-connected at a Fiber Hub. The first DS3 Service connects Customer A's designated premises to the Fiber Hub. The second DS3 Service connects Customer B's designated premises to the Fiber Hub.

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- CM - Channel Mileage
- CMT - Channel Mileage Termination
- LDC - Local Distribution Channel
- SWC - Serving Wire Center
- XC - Cross-Connection

Applicable rate elements are:

- Local Distribution Channel - Customer A
- Local Distribution Channel - Customer B
- Cross-Connection - DS3 to DS3
- 5 Miles Channel Mileage - Customer B
- 2 Channel Mileage Terminations - Customer B

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The DS3 to DS3 Cross-Connection may be ordered by either customer, with authorization from the other customer to make the connection of the two services.

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(This page filed under Transmittal No. 1357)

ACCESS SERVICE**7. Special Access Service (Cont'd)****7.1 General (Cont'd)****7.1.3 Service Configurations (Cont'd)****(B) Multipoint Service**

Multipoint service connects three or more customer designated premises through a Telephone Company 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 Telephone Company 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 will specify the desired bridging Hub(s) selected from the National Exchange Carrier Association Tariff F.C.C. NO. 4. This tariff identifies the type(s) of bridging functions which are available and the serving wire centers where they are available.

Applicable Rate Elements are:

- Local Distribution Channels (one per customer designated premises)
- Channel Mileage Termination (one per end of Channel Mileage)
- Channel Mileage (as applicable between each designated customer premises and the Hub and between Hubs.)
- Bridging
- Additional Optional Features (when applicable).

In addition, the Special Access Surcharge as set forth in 7.4.2 following and a Message Station Equipment Recovery Charge as set forth in 7.4.3 following may be applicable.

ACCESS SERVICE

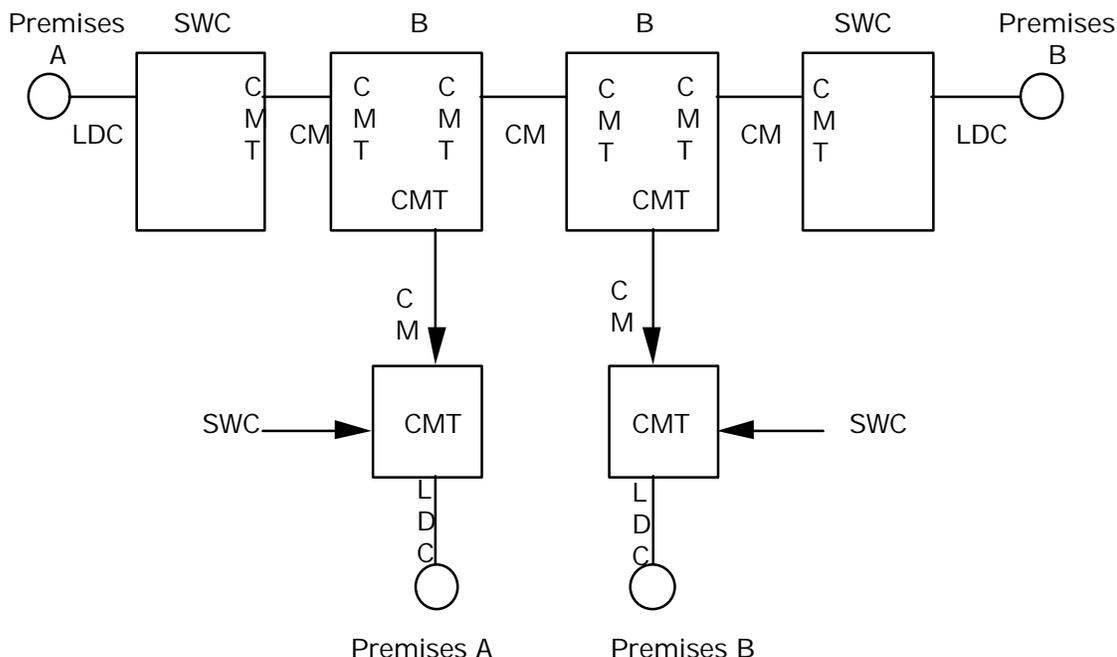
7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(B) Multipoint Service (Cont'd)

Example: Direct Analog Service multipoint service connecting four customer premises via two customer specified bridging hubs.



- LDC - LOCAL DISTRIBUTION CHANNEL
- CMT - CHANNEL MILEAGE TERMINATION
- CM - CHANNEL MILEAGE
- B - BRIDGING
- SWC - SERVING WIRE CENTER

Applicable rate elements are:

- Local Distribution Channels (four applicable)
- Channel Mileage Terminations (ten applicable)
- Channel Mileage (for appropriate mileages)
- Bridging (six applicable, i.e., each bridge port)

ACCESS SERVICE**7. Special Access Service (Cont'd)****7.1 General (Cont'd)****7.1.4 Alternate Use**

Alternate Use occurs when a service is arranged by the Telephone Company 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 Telephone Company 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., Local Distribution Channels, Channel Mileage Terminations and Channel Mileage (as applicable) and Optional Features (if any)).

7.1.5 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 are set forth in 11.following.

7.1.6 Design Layout Report

At the request of the customer, the Telephone Company 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.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.7 Acceptance Testing

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

(A) For Direct 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 Direct Analog Services, a balance (improved 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*, Wideband Data* and Dedicated Access Line) and for digital services (i.e., Base Rate, DS1 and DS3 Services), acceptance tests will include tests for the parameters specified in the order for service. (T)

In addition to the above tests, Additional Cooperative Acceptance Testing for Direct Analog Service to test other parameters. As described in 13.3.4(B) following, is available at the customer's request. All test results will be made available to the customer upon request.

7.1.8 Ordering Options and Conditions

Special Access Service is ordered under the Access Order Provisions set forth in 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.)

7.1.9 Trouble Reporting

The Telephone Company will be responsible for receiving, from customers, trouble reports sectionalized to Telephone Company facilities and/or equipment. The Telephone Company will test cooperatively or independently to assist in trouble sectionalization. Other charges as described in this tariff will still apply.

* Wideband Analog and Wideband Data Services are limited to circuits in place as of August 11, 1988.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions

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

- Metallic (MT)
- Telegraph Grade (TG)
- Direct Analog Service (VG)
- Dedicated Access Line (DAL)
- Program Audio (AP)
- Video (TV) (WV)
- Wideband Analog (WA)*
- Wideband Data (WD)*

- DS1 Service (HC1) (HX)
- DS3 Service (HC3)
- Base Rate Services (DA1 to DA6)
- OC-3 Service (HO3)
- OC-12 Service (HO12)
- OC-48 Service (HO48)
- OC-192 Service (HO192)

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Each service consists of a basic channel to which a technical specifications package (customized or predefined), network channel interface(s) 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.

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

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 and charges to be billed before any further action is taken on the order.

The channel description (NC code) 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 Telephone Company Hub where bridging, cross-connection or multiplexing functions are performed.

* Wideband Analog and Wideband Data Services are limited to circuits in place as of August 11, 1988.

ACCESS SERVICE**7. Special Access Service (Cont'd)****7.2 Service Descriptions (Cont'd)**

Information contained in the technical specifications packages indicates the transmission parameters 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.

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 network channel interfaces. Only certain network channel interfaces are compatible. These are set forth in 7.3 following in a combination format.

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 this 7.2. When a customized channel is requested, all network channel interface combinations available with the specified type of service are available.

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.

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(TR712)

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Director, Federal Regulatory, 4F20
2000 W. Ameritech Center Drive
Hoffman Estates, Illinois 60196-1025

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

The Telephone Company 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 the effective date of this tariff will conform to the transmission specification or standards contained in this tariff or in the following Technical References for each category of service:

Metallic	TR-NPL-000336
Telegraph	TR-NPL-000336
Direct Analog Service	*TR-NPL-000335
	*PUB 41004, Table 4
Dedicated Access Line	TR-NPL-000334
Program Audio	TR-NPL-000337
Video	TR-TSV-000338
	TR-ENG-000121
	AM-TR-NTP-000119
	AM-TR-NIS-000130
	AM-TR-NIS-000131
	AM-TR-NIS-000137
Wideband Analog**	TR-NPL-000339
Wideband Data**	TR-NPL-000340

Base Rate		
Services	*TR-NPL-000341	(T)
	AM-TR-OAT-000070	
DAL	AM-TR-NPL-000005	
Secondary Channel	*TR-NPL-000157	
DS1 Service	TR-INS-000342	(T)
	*PUB 62411	
	AM-TR-TMO-000106	
	AM-TR-TMO-000101	

* In these publications, Direct Analog Service is referred to as Voice Grade Service, Base Rate Service as Digital Data Service and DS1 Service and DS3 Service as High Capacity Service. (T)

** Wideband Analog and Wideband Data Services are limited to circuits in place as of August 11, 1988. (T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

Clear Channel Capability	*TR-NPL-000054	
DS3 Service	TR-INS-000342	(T)

Optical Interface:		
OC-3 Service,		(F)
OC-12 Service,	AM-TR-TMO-000072,	(F)
OC-48 Service and	AM-TR-TMO-000101 and	(F)
OC-192 Service	AM-TR-NIS-000111	(F)

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 or between a customer designated premises and a Telephone Company Hub where bridging functions are performed. Interoffice metallic facilities will be limited in length to a total of five miles per channel, and be provided where facilities are available. Interoffice metallic facilities (wire pairs) are in diminishing supply, and can be expected to become less available as optical fiber is deployed and wire cables are removed.

* In these publications, Direct Analog Service is referred to as Voice Grade Service and Base Rate Service as Digital Data Service, and DS1 Service and DS3 Service as High Capacity Service. (T)
(T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.1 Metallic Service (Cont'd)

(B) Technical Specifications Packages

Parameter	C	Package MT		
		1	2	3
DC Resistance				
Between Conductors	X	X	X	
Loop Resistance	X			X
Shunt Capacitance	X			X

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

(C) Network Channel Interfaces

Compatible network channel interfaces are set forth in 7.3 following.

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(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-			
	C	1	2	3
Three Premises Bridging X	X		X	
Series Bridging	X		X	

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.2 Telegraph Grade Service

(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 or between a customer designated premises and a Telephone Company Hub.

(B) Technical Specifications Packages

Parameter	Package TG -		
	C	1	2
Telegraph Distortion	X	X	X

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

(C) Network Channel Interfaces

Compatible network channel interfaces are set forth in 7.3 following.

T

(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.

	Available with Technical Specification Package TG-		
	C	1	2
Telegraph Bridging	X	X	X

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ACCESS SERVICE**7. Special Access Service (Cont'd)****7.2 Service Descriptions (Cont'd)****7.2.3 Direct Analog Service *****(A) Basic Channel Description**

- (1)** A Direct Analog Service 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. Direct Analog Service channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.
- (2)** Direct Analog Service may be ordered to allow connections between the customer designated premises and wire center which provides Other Network Services.

(a) Dedicated Access Line (DAL)

A Dedicated Access Line Service provides a channel for voice frequency transmission capability. The service provides a connection between the customer designated premises and a WATS serving office associated with the closed end of 800 Service, WATS or similar services. It is provided for use with Switched Access Service as set forth in Section 6 preceding, or as set forth in the intrastate Access Service tariff and/or local general services tariff of the Telephone Company. Switched access traffic delivered by means of a Dedicated Access Line is subject to Switched Access Service provisions of the applicable tariff. The jurisdiction of the Switched Access Service shall be determined as set forth in 2.3.10(E) preceding.

The choice of the type of signaling is at the option of the customer and subject to the technical limitations identified in the Technical Reference TR-NPL-000334. Dedicated Access Line Service is provided as an effective two-wire or an effective four-wire transmission path.

* Also referred to as Voice Grade Service in Technical References.

ACCESS SERVICE

7. Special Access Service (Cont'd)
 7.2 Service Descriptions (Cont'd)

7.2.3 Direct Analog Service (Cont'd)

(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	
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

Package DAL

Parameters	1	2
Attenuation Distortion	X	X
C-Message Noise	X	X
Echo Control	X	X
Envelope Delay	X	X
Distortion		
Frequency Shift	X	X
Impulse Noise	X	X
Intermodulation	X	X
Distortion		
Loss Deviation	X	X
Phase Jitter	X	X
Signal-to-C	X	X
Notch Noise		

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

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ACCESS SERVICE**7. Special Access Service (Cont'd)****7.2 Service Descriptions (Cont'd)****7.2.3 Direct Analog 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 TR-NPL-000334 and TR-NPL-000335. The technical specifications for dropouts, phase hits, and gain hits are delineated in Technical Reference PUB 41004, Table 4.

(C) Network Channel Interfaces

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

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

The following interfaces are available with DAL Service:
LO, LS, DS, GO, GS, EA, EB, RV.

Compatible network channel interfaces are set forth in 7.3 following.

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(D) Optional Features and Functions**(1) Central Office Bridging Capability**

- (a)** Voice and DAL Bridging (two-wire and four-wire)
- (b)** Data Bridging (two-wire and four-wire)
- (c)** Telephoto Bridging (two-wire and four-wire)
- (d)** Dataphone Select-A-Station Bridging with sequential arrangement ports or addressable arrangement ports
- (e)** Telemetry and Alarm Bridging

Split Band, Active Bridging
Passive Bridging
Summation, Active Bridging

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Direct Analog Service (Cont'd)

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

(2) Central Office Multiplexing

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

(3) Conditioning

Conditioning provides more specific transmission characteristics for Direct Analog Service. 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 with C-Type conditioning. In such cases the customer has the option of ordering Improved Attenuation Distortion and Improved Envelope Delay Distortion, either separately or in combination, in lieu of C-Type conditioning. When either improved option (Improved Attenuation Distortion or Improved Envelope Delay Distortion) is ordered without the other, the performance specifications for the other parameter will be those provided with C-Type conditioning at no additional charge.

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.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Direct Analog 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 as set forth in the Technical References specified in 7.2.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Direct Analog Service (Cont'd)

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

(3) Conditioning (Cont'd)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Direct Analog Service (Cont'd)

(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, and is provided in lieu of C-Type conditioning. The improved attenuation distortion specifications are as set forth in the Technical Reference specified in 7.2.

(c) Improved Envelope Delay Distortion

Improved envelope delay distortion is provided for additional control of envelope delay distortion, and is provided in lieu of C-Type conditioning. The improved envelope delay distortion specifications are as set forth in the Technical Reference specified in 7.2.

(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.

C

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Direct Analog 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 delineated in Technical Reference TR-NPL-000335 and associated Addendum. T

(5) Improved Termination

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. Telephone Company equipment is required at the customer's premises where this option is ordered. The Improved Termination parameters are delineated in Technical Reference TR-NPL-000335.

(6) Improved Return Loss

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 Telephone Company equipment may be required at the customer's premises with the two-wire POT. The Improved Return Loss parameters are delineated in Technical Reference TR-NPL-000335.

(7) 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.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Direct Analog Service (Cont'd)

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

(7) Data Capability (Cont'd)

The Signal to C-Notched Noise Ratio and intermodulation distortion parameters for Data Capability are:

- 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.

(8) 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 for Telephoto Capability are:

Attenuation Distortion		Envelope Delay Distortion	
<small>(1004Hz Reference)</small>			
Frequency Range (Hz)	Variation (dB)	Frequency Range (Hz)	Variation (mcs)
504-3004	-0.5 to +1.5	1004-2604	110
304-3204	-1.0 to +2.5	804-2804	180

ACCESS SERVICE**7. Special Access Services (Cont'd)****7.2 Service Descriptions (Cont'd)****7.2.3 Direct Analog Service (Cont'd)****(D) Optional Features and Functions (Cont'd)****(9) 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.

(10) Code Select Signaling Arrangement

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

(11) Transfer Arrangement

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 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. A spare channel, if required, is not included as part of the option.

(12) DAL Options**(a) DAL Improved Voice Transmission**

- (i)** Improved two-wire voice transmission specifications (specifications are set forth
- (ii)** Improved four-wire voice transmission with E&M Lead Interface Specifications.

(b) Other Options

Certain other options associated with DAL services are either Line Termination or Common Switching optional features as defined in Section 6 preceding.

ACCESS SERVICE

7. Special Access Services (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Direct Analog Service (Cont'd)

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

(13) Line-Powered Data Station Termination Unit (DST)

Line-powered DSTs are available at customer-designated premises in lieu of commercial-powered DSTs. This option is available on new and existing channels with two-wire or four-wire, two-point or multi-point channels.

(14) DS0 Fiber Hub Cross-Connection

An arrangement to cross-connect DS0 (Direct Analog to Direct Analog) terminations at all designated Fiber Hub locations (described in 7.4.10 following).

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Director, Federal Regulatory, 4F20
2000 W. Ameritech Center Drive
Hoffman Estates, Illinois 60196-1025

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Direct Analog Service (Cont'd)

(E) 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
Code Select Signaling Arrangement	X		X										X
Customer Specified Premises Receive Level	X		X	X				X	X	X			
Data Capability	X						X	X			X		
Improved Attenuation Distortion	X					X	X	X	X	X	X		
Improved Envelope Delay Distortion	X					X	X	X	X	X	X		
Improved Termination	X	X	X	X	X	X	X	X	X	X	X	X	X
Improved Return Loss For Effective Two-Wire Transmission	X		X	X				X					
Sealing Current Conditioning	X					X	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	X

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Assistant Vice President
 10 S. Wacker Drive, Floor 22
 Chicago, Illinois 60606

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Direct Analog Service (Cont'd)

(F) Four-Wire/Two-Wire Conversions

When a customer requests that an effective four-wire channel be terminated with a two-wire channel interface at the customer designated premises, a four-wire to two-wire conversion is required. The rate for the conversion is included as part of the basic Local Distribution Channel rate.

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2000 W. Ameritech Center Drive
Hoffman Estates, Illinois 60196-1025

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.4 Program Audio Service

(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 network 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 Telephone Company Hub.

(B) Technical Specifications Packages

Parameter	C*	Package AP-			
		1	2	3	4
Actual Measured Loss	X	X	X	X	X
Amplitude Tracking					
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 TR-NPL-000337 and associated addendum.

(C) Network Channel Interfaces

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

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

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.4 Program Audio Service (Cont'd)

(C) Network Channel Interfaces (Cont'd)

CI	Bandwidth
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 7.3 following.

T

(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.

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

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Assistant Vice President, 4F08
 2000 W. Ameritech Center Drive
 Hoffman Estates, Illinois 60196-1025

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.5 Video Service

(A) Basic Channel Description

A Video Channel is a channel with one-way transmission capability for a standard 525 line/60 field monochrome, or National Television Systems Committee color, video signal and one or more associated audio signal(s) as described below. The Provision and the bandwidth of the associated audio signal(s) is a function of the network channel interface selected by the customer.

(1) TV Analog Video Service

The bandwidth for TV Analog Video Service is either 30 Hz to 4.5MHz or 30 Hz to 6.6MHz. The associated audio signal(s) may be either diplexed or provided as one or more separate channels. Up to 4 channels of audio are available, the third and fourth audio channels are optional elements. Three or four audio channels may be transported across a video switch when each segment, of the circuit, supports four audio channels, else, only two audio channels will be supported. TV Analog Video Service channels are provided between customer designated premises, between a customer designated premises and a Telephone Company Hub or between Telephone Company Video Hubs.

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TV 1 Analog Video Service rate categories are composed of Local Distribution Channels (LDCs) for facilities between the customers premises and serving wire center, Channel Mileage and Channel Mileage Terminations for interoffice facilities and Optional Features and Functions.

C

Daily, Monthly and Optional Payment Plan (OPP) recurring rates are available for TV 1 Analog Video Service LDCs as set forth in Section 7.5.5(A)(1)(a).

T

Daily, Monthly and OPP recurring Channel Mileage Termination (CMT) and Channel Mileage (CM) rates are available for TV1 Analog Video interoffice transport as set forth in Sections 7.5.5(A)(2)(a) and 7.5.5(A)(3)(a). Hourly rates are available for TV1 Analog Video interoffice transport between Telephone Company video hubs as set forth in Sections 7.5.5(A)(2)(b) and 7.5.5(A)(3)(b).

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(TR1086)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.5 Video Service

(A) Basic Channel Description

(2) Digital Video Service

Digital Video Service is the receipt or hand-off of a one-way base band or digital video signal at the network interface. The bit rate for digital video service is 45Mbps. One to four associated audio signal(s) may be provided at 15kHz. Digital Video Service may not be mixed with TV Analog Video Service. Digital Video Service channels are provided between customer designated premises and/or a Telephone Company Video Hub.

Digital Video Service will be provided with or without Telephone Company provided video enabling equipment at the network interface. Every Digital Video Service requires at least one Local Distribution Channel that specifies customer baseband network interface, which includes Telephone Company provided video enabling equipment.

Digital Video Service rate categories are composed of Local Distribution Channels (LDCs) for facilities between the customers premises and serving wire center, Channel Mileage and Channel Mileage Terminations for interoffice facilities and Optional Features and Functions. Daily, Monthly and Optional Payment Plan (OPP) recurring rates are available for Digital Video Service LDCs as set forth in Section 7.5.5(B)(1)(a).

Daily, Monthly and OPP recurring Channel Mileage Termination (CMT) and Channel Mileage (CM) rates are available for Digital Video interoffice transport as set forth in Sections 7.5.5(B)(2) and 7.5.5(B)(3).

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(TR1086)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.5 Video Service (Cont'd)

(A) Basic Channel Description (Cont'd)

(3) Supertrunking Video Service (SVS) (T)

SVS provides fiber based one-way transport of multiple amplitude modulated (AM) vestigial sideband (VSB) standard 525 line/60 field monochrome or National Television Systems Committee (NTSC) color video signals and associated audio signals. SVS provides for the transmission of a single AM Radio Frequency (RF) signal that is a composite of multiple AM-VSB video signals each limited to a 6 MHz bandwidth. SVS will carry up to 110 6 MHz channels of video programming within a bandwidth of 54 MHz to 750 MHz. (T)

SVS provides one-way video transport on a point-to-point or multipoint basis. Point-to-point SVS is provided between customer designated premises. Multipoint SVS is provided between a customer designated premises and multiple customer designated premises via a Telephone Company Central Office. (T)

The signal quality of the video channel depends on;

- 1) The total number of video signals that are transported,
- 2) The end-to-end loss budget of the video circuit.

Customers may select from performance packages which support either 30, 60, 80 or 110 channels. Each package has unique set of performance parameters and distance limitations as specified in Technical Reference AM-TR-NIS-000131.

SVS rate categories are composed of Local Distribution Channels (LDCs) for facilities between the customers premises and serving wire center, Channel Mileage and Channel Mileage Terminations for interoffice facilities and Optional Features and Functions. Monthly and Optional Payment Plan (OPP) recurring rates are available for SVS LDCs as set forth in Section 7.5.5(C)(1)(a). (T)

Monthly and OPP recurring Channel Mileage Termination (CMT) and Channel Mileage (CM) rates are available for SVS interoffice transport as set forth in Sections 7.5.5(C)(2) and 7.5.5(C)(3). (T)

The Optional Features and Functions Video Bridging and Video Repeater are available with SVS at rates set forth in Section 7.5.5(C)(4)(a) and (b). (T)

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ACCESS SERVICE

7. Special Access Service (cont'd)

7.2 Service Description (cont'd)

7.2.5 Video Service (cont'd)

(A) Basic Channel Description (cont'd)

(4) Multichannel Video Service (MVS) (T)

MVS provides fiber based one-way transport of multiple high quality video and audio signals. An MVS transport system provides for up to 16 video transport channels, which may provide anywhere from 8 to 32 individual video service channels, depending on the blend of MVS sub-services (A/C/D) utilized. (T)

Each MVS video transport channel may accommodate a single uncompressed broadcast analog video service channel with associated audios (MVS-A); or two digital video service channels with associated audio streams (MVS-D). Two video transport channels may accommodate a single serial component video service channel with embedded ancillary data streams and audio (MVS-C). An MVS transport system supports 16 transport channels which may accommodate a representative blend of the above video service channels. (T)

The technical specifications for MVS video transport are described in Technical Reference AM-TR-NIS-000130. Customers must provide specific equipment at their premises as specified in this Technical Reference. (T)

MVS provides one-way point-to-point or point to multi-point video transport systems with a total of 16 video transport channels per system: (T)

- 1) MVS Hub Transport - A multichannel video transport service between a customer designated premises and a Telephone Company Video Hub office. (T)

A hub transport system may be cross connected at the individual channel level with compatible video services or to another compatible MVS hub transport system, at the Telephone Company hub. (T)

Hub transport systems may be provided on a point to multipoint basis.

- 2) MVS Customer Premises Transport - A multichannel video transport service between two customer designated premises provisioned via a Telephone Company Central Office. (T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.5 Video Service (Cont'd)

(A) Basic Channel Description (Cont'd)

(4) Multichannel Video Service (MVS) (Cont'd)

MVS transport systems provide for the following types of video service channels:

- A) Analog (MVS-A) provides a standard 525 line/60 field monochrome or National Television Systems Committee (NTSC) color video signal and associated audio signals. MVS-A provides for the transmission of an individual uncompressed analog video service channel each with up to four, associated 50 Hz to 15 kHz audio channels. The audio channels provide for Stereo, Second Audio Program (SAP), Broadcast Television Steering Committee (BTSC) or Professional (PRO) aural transport. An MVS transport system will support up to 16 MVS-A video service channels.
- B) Component (MVS-C) provides a high quality digital 4:2:2 10-bit component ANSI/SMPTE 259M video channel. Each component video service channel requires two MVS transport channels, thereby reducing the number of Serial Component video service channels to 8 per transport system. Ancillary data streams; i.e. digital audio, machine or time control, and audio channels, may be embedded by the customer.
- C) Digital (MVS-D) provides a multiplexed 45 Mbps video service channel which may accommodate MPEG-2 system compliant encoded video and audio stream as described in MPEG-2 Systems International Standard ISO/IEC 1-13818 IS. Two MVS-D video service channels may be accommodated by a single video transport channel, thereby providing up to 32 MVS-D video service channels per transport system. Audio channels may be embedded by the customer.

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ACCESS SERVICE

7. Special Access Service (cont'd)

7.2 Service Description (cont'd)

7.2.5 Video Service (cont'd)

(A) Basic Channel Description (cont'd)

(4) Multichannel Video Service (MVS) (cont'd)

MVS rate categories are composed of Local Distribution Channels (LDCs), a transport system with associated video service channels, for facilities between the customer premises and serving wire center, Channel Mileage and Channel Mileage Terminations for interoffice facilities and Optional Features and Functions. Monthly and Optional Payment Plan (OPP) recurring rates are available for MVS LDCs as set forth in Section 7.5.5(D)(1).

(T)
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Monthly and OPP recurring Channel Mileage Termination (CMT) and Channel Mileage (CM) rates are available for MVS interoffice transport as set forth in Sections 7.5.5(D)(2) and 7.5.5(D)(3).

(T)

(T)

The Optional Features and Functions MVS Regenerator, MVS Video Bridging, MVS Route Survivability and MVS Service Survivability are available with MVS at rates set forth in Section 7.5.5(D)(4)(a), (b), (c) and (d).

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.5 Video Service (Cont'd)

(A) Basic Channel Description (Cont'd)

(5) Wideband Analog Video Service (WAVS)

WAVS provides fiber based one-way analog high resolution video transport. The video transport provided by WAVS is capable of transmitting a 945 line/60 field video signal within a 20 MHz bandwidth, or a Digital Brite Radar Indicator Tower Equipment (DBRITE) video signal. Where facilities are not available, Special Construction charges may apply.

Wideband Analog Video Service is available on a point-to-point basis. The technical specifications for WAVS video transport are described in Technical Reference AM-TR-NTP-000119.

WAVS rate categories are composed of Local Distribution Channels (LDCs) for facilities between the customers premises and serving wire center, Channel Mileage and Channel Mileage Terminations for interoffice facilities and Optional Features and Functions. Monthly and Optional Payment Plan (OPP) recurring rates are available for WAVS LDCs as set forth in Section 7.5.5(E)(1)(a).

Monthly and OPP recurring Channel Mileage Termination (CMT) and Channel Mileage (CM) rates are available for WAVS interoffice transport as set forth in Sections 7.5.5(E)(2) and 7.5.5(E)(3).

The Optional Features and Functions Video Repeater and Automatic Protection Switching are available with WAVS at rates set forth in Section 7.5.5(E)(4)(a) and (b).

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Certain material on this page previously appeared on 2nd revised page 259.3
Certain material previously on this page now appears on original page 259.6

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ACCESS SERVICE

7. Special Access Service (cont'd)	T
7.2 Service Descriptions (cont'd)	T
7.2.5 Video Service	
(A) Basic Channel Description (cont'd)	T
(6) Serial Component Video Service (SCVS)	
SCVS provides one way video transport of high quality digital 4:2:2 component ANSI/Society of Motion Picture and Television Engineers (SMPTE) 259 M video signals. Serial Component Video Service is available on a point-to-point basis. The technical specifications for SCVS video transport are described in Technical Reference AM-TR-NIS-000137.	M
The bit rate for SCVS Standard is 270 Mbps. One to six audio signal(s) may be provided at 20 kHz.	C M
SCVS may also provide an Optional termination, at 45 Mbps. This option provides one way video transport of high quality 4:2:2 component ANSI/Society of Motion Picture and Television Engineers (SMPTE) 259 M video signals. One to 4 audio signal(s) may be provided at 20 kHz, within the 45 Mbps bitstream.	N N
Where facilities for SCVS are not available, Special Construction charges, as described in F.C.C. No. 3, may apply.	
SCVS rate categories are composed of Standard/Optional Local Distribution Channels (LDCs) for facilities between the customers premises and serving wire center, Channel Mileage and Channel Mileage Terminations for interoffice facilities and Optional Features and Functions. Monthly and Optional Payment Plan (OPP) recurring rates are available for SCVS LDCs as set forth in Section 7.5.5(F)(1)(a).	C
Monthly and OPP recurring Channel Mileage Termination (CMT) and Channel Mileage (CM) rates are available for SCVS interoffice transport as set forth in Sections 7.5.5(F)(2) and 7.5.5(F)(3).	
The Video Regenerator option is available with SCVS at the rate set forth in Section 7.5.5(F)(4)(a).	

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video Service

(B) Technical Specifications Packages

Parameter	Package TV -		
	C*	1	2
Amplitude vs. Frequency Response	X		
Chrominance/Luminance Inequalities			
Gain	X	X	X
Delay	X	X	X
Chrominance/Luminance Intermodulation	X		
Chrominance Nonlinear Gain	X		
Chrominance Nonlinear Phase	X		
Crosstalk	X		X
Differential Gain	X	X	X
Differential Phase	X	X	X
Dynamic Gain (picture and sync signal)	X		
Field-Time Distortion	X	X	X
Gain/Frequency Distortion	X	X	X
Gain Stability	X	X	X
Insertion Gain	X	X	X
Line-Time Distortion	X	X	X
Long-Time Distortion	X	X	X

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Certain material on this page previously appeared on Original Page 259.4.

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

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.5 Video Service (Cont'd)

(B) Technical Specifications Packages (Cont'd)

Parameter	Package TV -		
	C*	1	2
Luminance Nonlinearity	X		
Luminance Signal/CCIR			
Weighted Noise	X	X	X
Short-Time Distortion			
2 T Pulse	X	X	X
T - Bar Ringing	X	X	X
Signal/15 kHz Flat			
Weighted Noise	X	X	X
Signal/Low Frequency			
Noise	X		
Stereo Gain Difference	X	X	
Stereo Phase Difference	X	X	
Total Harmonic Distortion	X	X	X
Transient Sync Signal			
Non-Linearity	X		
Video/Audio Delay			
Difference	X		

The technical specifications are delineated in Technical Reference TR-TSV-000338, AM-TR-NTP-000119, AM-TR-NIS-000130, AM-TR-NIS-000131, AM-TR-NIS-000137, and associated Addendum and TR-ENG-000121.

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Nx

(C) Network Channel Interfaces

The following network channel interfaces (CIs) define the bandwidth and the provision of the audio signal(s) associated with a Video channel:

CI	Audio Bandwidth	Provision
2TV6-1	15kHz	1 Channel, diplexed
2TV6-2	15kHz	2 Channels, diplexed
2TV7-1	15kHz	1 Channel, diplexed
2TV7-2	15kHz	2 Channels, diplexed

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

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ACCESS SERVICE

7. Special Access Service (cont'd)

7.2 Service Description (cont'd)

7.2.5 Video Service (cont'd)

(C) Network Channel Interfaces (cont'd)

CI	Audio Bandwidth	Provision
06TV6.15	15kHz	1 or 2 Channels, diplexed
10TV6.15A	15kHz	1 to 4 Channels, diplexed
02WV6.J.-O		1 Channel, RF
02WV6.J.-O		1 Channel, RF
01WV6.L.-O	50Hz to 15kHz	1,2 or 4 Channels
01WV6.L.-O	50Hz to 15kHz	1,2 or 4 Channels
02WV6.K	No Audio	
02TD6.20.-O	20 kHz	1 to 6 Channels
02TD6.20.-O	20 kHz	1 to 6 Channels

(D) Optional Features and Functions

(1) Video Bridging Capability

Video Bridging Capability is available with Supertrunking Video Service (SVS) and Multichannel Video Service (MVS). When the Video Bridging Capability option is ordered in conjunction with SVS/MVS, the composite SVS/MVS signal will be optically split to allow one-way transmission to multiple customer designated premises. Each of the multiple customer premises receives the same composite SVS/MVS video signal. This option is required with SVS/MVS multipoint configurations when the splitting function is not combined with the retransmission of the SVS/MVS signal. (T)

When MVS Video Bridging is used, all receiving segments of the circuit must have the same video service channels (MVS /C/D) as the originating segment. (T)

(2) Video Repeater

Video Repeaters provide for the retransmission of the video signal. A Video Repeater will be required when the distance between the customer designated video customer premises is greater than the single system optical power budget. The Video Repeater function is divided into Video Receive Repeater and Video Transmitter Repeater rate elements to accommodate customer requests to simultaneously split and retransmit SVS video signals. The Video Repeater option is available for SVS and WAVS video services. (T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.5 Video Service (Cont'd)

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

(3) Video Regenerator

Video Regenerators provide for the regeneration of the digital video signals. The Video Regenerator option is available for Serial Component Video Service (SCVS) and Multichannel Video Service (AMVS) services. (T)

A Video Regenerator is required for AMVS Hub Transport when the distance between the customer designated premises and the Telephone Company Video Hub office is greater than the single system optical power budget. A Video Regenerator is required for AMVS Customer Premises Transport when the distance between the originating or terminating customer designated premises and the Telephone Company Central Office, through which AMVS is provided, is greater than the single system optical power budget. Video Regenerators may be required with the AMVS Route Survivability or AMVS Service Survivability options.

A Video Regenerator will be required for SCVS when the distance between the customer designated SCVS video customer premises is greater than the single system optical power budget.

(4) Automatic Protection Switching (APS)

The Automatic Protection Switching option is available between two like point to point video services. The customer designates one video service as the primary working service and the other video service as the secondary protect service. APS automatically switches from the primary working service to the secondary protect service when light is not detected on the fiber pair associated with primary working service. APS is available with Wideband Analog Video Service.

(5) TV Analog Video Optional 3rd or 4th Audio Channel

A third and fourth associated audio channel may be provided over either a diplexed channel or provided as one or two separate channels

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.5 Video Service (Cont'd)

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

(6) AMVS Route Survivability

The AMVS Route Survivability option is available for individual two point AMVS Services; i.e., either AMVS Customer Premises Transport between two customer designated premises or AMVS Hub Transport between a customer designated premises and a Telephone Company Video Hub. AMVS Route Survivability provides a transmission path that is diverse from the normal transmission path designated by the Telephone Company (see example below).

AMVS Route Survivability is available for either the AMVS Local Distribution Channels (LDCs) and/or AMVS Channel Mileage associated with either AMVS Customer Premises Transport or AMVS Hub Transport service. AMVS LDC Route Survivability provides a transmission path between the customer's designated premises and serving wire center that is diverse from the normal LDC path. AMVS Channel Mileage (CM) Route Survivability provides an interoffice transmission path that is diverse from the normal interoffice transmission path between serving wire centers.

When the customer orders an AMVS service with the AMVS LDC or CM Route Survivability option, only the AMVS LDC or CM Route Survivability rates in Section 7.5.5(E)(4)(b) apply for the LDC or CM portion of the diversely routed service. AMVS Route Survivability nonrecurring charges in Section 7.5.5(E)(4)(b) will apply to diversely routed portions of an AMVS service in addition to the AMVS nonrecurring charges in Section 7.5.13.

Prior to confirming an order for AMVS Route Survivability, the Telephone Company will provide a proposed route diagram to the customer. Any routing which is common to the normal and diverse routes (e.g., entrances to the customer's premises or at a wire center) will be disclosed to the customer. The diagram will include the number of quarter route miles for AMVS LDC Route Survivability and the method used to determine the mileage. The Telephone Company will only provide the route survivability information to the ordering customer in order to insure that the information is not compromised. Where facilities are not available, Special Construction may apply.

The installation of the AMVS Route Survivability option will not begin until the customer has accepted the proposed routing.

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2000 W. Ameritech Center Drive
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ACCESS SERVICE**7. Special Access Service (Cont'd)****7.2 Service Description (Cont'd)****7.2.5 Video Service (Cont'd)****(D) Optional Features and Functions (Cont'd)****(7) AMVS Service Survivability**

T

AMVS Service Survivability provides diversity for part or all of a network of three or more interconnected customer designated premises. AMVS Service Survivability provides diversity between the multiple separate AMVS Customer Premises Transport services that interconnect the customer premises on the network. AMVS Service Survivability is available for both AMVS LDCs and/or AMVS Channel Mileage. The customer must specify which AMVS services or portions of AMVS Service will be diverse from other AMVS services or portions of AMVS services within the network. The Telephone Company will work cooperatively with the customer to identify which portions of each different AMVS service requires diverse routing to insure total network survivability.

With AMVS Service Survivability, the originating and terminating location of a specific AMVS service and the originating and terminating location of the AMVS service that the customer has chosen to be diverse from that specific AMVS service, may be different (see example below).

When the customer orders an AMVS service with the AMVS LDC or CM Service Survivability option, only the AMVS LDC or CM Service Survivability rates in Section 7.5.5(E)(4)(c) apply for the LDC or CM portion of the diversely routed service. Separate AMVS Service Survivability nonrecurring charges in Section 7.5.5(E)(4)(c) will apply to diversely routed portions of an AMVS service in addition to the AMVS nonrecurring charges in Section 7.5.13.

Prior to confirming an order for AMVS Service Survivability, the Telephone Company will provide a proposed route diagram to the customer. Any routing which is common to the normal and diverse routes (e.g., entrances to the customer's premises or at a wire center) will be disclosed to the customer. The diagram will include the number of quarter route miles for AMVS LDC Service Survivability and the method used to determine the mileage. The Telephone Company will only provide the Service Survivability information to the ordering customer to insure that the information is not compromised. Where facilities are not available, Special Construction may apply.

The installation of the AMVS Service Survivability option will not begin until the customer has accepted the proposed routing.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

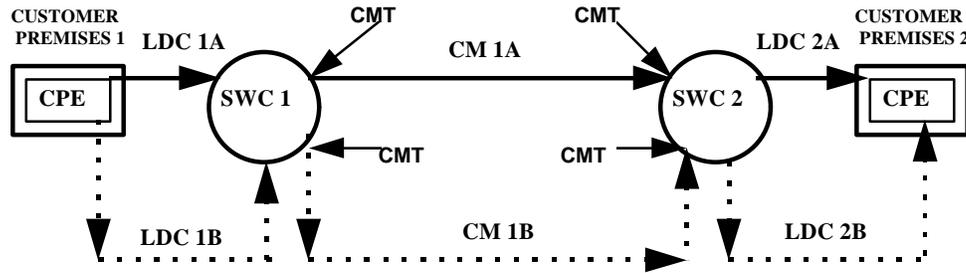
7.2 Service Description (Cont'd)

7.2.5 Video Service (Cont'd)

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

Below is a diagram that displays an AMVS Customer Premise Transport service with the AMVS Route Survivability option for both the local distribution channels and the interoffice channel mileage. The normally routed LDCs (LDC 1A and 2A) and CM (CM 1A) are represented by solid lines and the diversely routed LDCs (LDC 1B and 2B) and CM (CM 1B) are shown as dotted lines.

AMVS Route Survivability



LDC = Local Distribution Channels
SWC = Serving Wire Center

CM = Channel Mileage
CMT = Channel Mileage Termination

CPE = Customer Provided Equipment

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ACCESS SERVICE

7. Special Access Service (Cont'd)

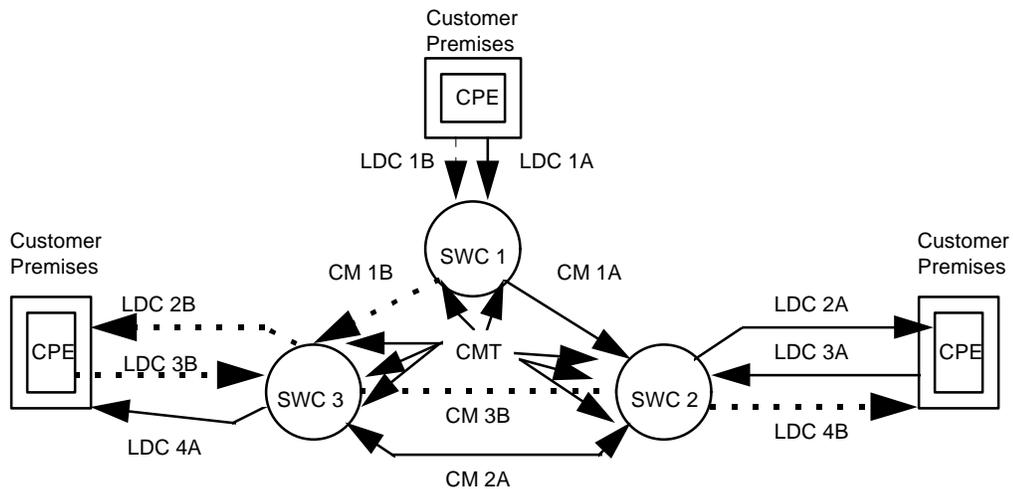
7.2 Service Description (Cont'd)

7.2.5 Video Service (Cont'd)

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

An example of AMVS Service Survivability is shown below. The example displays an AMVS Service Survivability arrangement consisting of a network of three customer premises locations. These locations are interconnected by two sets of individual AMVS Customer Premises Transport services. The customer, with the Telephone Company, will identify which portions of the interconnected AMVS services are to be diversely routed in order to protect against fiber cuts and help insure delivery of the AMVS video signal from Customer Premises 1 (CP1) to both CP2 and CP3. The solid arrows show the delivery of AMVS video signal from CP1 to CP2 and then to CP3. The dotted arrows display the delivery of AMVS video signal from CP1 to CP3 and then to CP2. With the AMVS Service Survivability option, the customer may choose to diversely route LDC 1B from LDC 1A, LDC 2B from LDC 4A, LDC 4B from LDC 2A, CM 1B from CM 1A and CM 3B from CM 1A.

AMVS Service Survivability



- LDC = Local Distribution Channels
- SWC = Serving Wire Center
- CM = Channel Mileage
- CMT = Channel Mileage Termination
- CPE = Customer Provided Equipment

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.6 Wideband Analog Service* (Cont'd)

(A) Basic Channel Description

A Wideband Analog channel is a channel with a bandwidth measured in kHz for the transmission of a wideband signal. The actual bandwidth is a function of the network channel interface selected by the customer. Wideband Analog channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

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(B) Technical Specifications Packages (Cont'd)

Parameter	Package WA-				
	1	2	2A	3	4
Gain/Frequency Characteristics of:					
-Group Connections	X			X	X
-Supergroup Connections		X			
-Mastergroup Connections			X		
Impulse Noise	X	X	X		
Net Loss Variations	X	X	X	X	X
Pilot Slot	X	X	X		
Spurious Single Frequency Tone	X	X	X		

The technical specifications are delineated in Technical Reference TR-NPL-000339 and associated Addendum.

* Wideband Analog Service is limited to circuits in place as of August 11, 1988.
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ACCESS SERVICE

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2000 W. Ameritech Center Drive
Hoffman Estates, Illinois 60196-1025

ACCESS SERVICE**7. Special Access Service (Cont'd)****7.2 Service Descriptions (Cont'd)****7.2.6 Wideband Analog Service* (Cont'd)****(C) Network Channel Interfaces**

The following network channel interfaces (CIs) define the bandwidths that are available for a Wideband Analog channel:

CI	Bandwidth
AH-B 60 kHz	to 108 kHz (Group)
AH-C 312 kHz	to 552 kHz (Supergroup)
AH-D 564 kHz	to 3084 kHz (Mastergroup)
WD-1 300 Hz	to 18 kHz
28 kHz	to 44 kHz
WD-3 29 kHz	to 44 kHz

Compatible network channel interfaces are set forth in 7.3 following.

(D) Optional Features and Functions**(1) Central Office Multiplexing****(a) Mastergroup to Supergroup**

An arrangement that converts a Mastergroup channel to ten Supergroup channels using frequency division multiplexing.

(b) Supergroup to Group

An arrangement that converts a Supergroup channel to five Group channels using frequency division multiplexing.

(c) Group to Voice

An arrangement that converts a Group channel to twelve voice grade channels using frequency division multiplexing. A channel(s) of this Group level service to the Hub can also be used for Program Audio or Metallic Services. Multiple channels may be required to provide individual Program Audio channels.

* Wideband Analog Service is limited to circuits in place as of August 11, 1988.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.6 Wideband Analog Service** (Cont'd)

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

(1) Central Office Multiplexing (Cont'd)

(d) Group to DS1

An arrangement that converts two Group channels to a DS1 channel using analog to digital conversion.

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

	Available with Technical Specifications Package WA -				
	1	2	2A	3	4
Central Office Multiplexing:					
Mastergroup to Supergroup				X	
Supergroup to Group			X		
Group to Voice		X			
Group to DS1*					

* Requires two channels with technical specifications package WA1 to form a WA1T service.

** Wideband Analog Service is limited to circuits in place as of August 11, 1988.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.7 Wideband Data Service*

(A) Basic Channel Description

A Wideband Data channel is an analog channel for the transmission of synchronous serial data at the rate of 19.2, 50.0, or 230.4 kbps or of asynchronous serial data at rates of up to 19.2, 50.0, or 230.4 kbps. Optional arrangements are available for transmission of synchronous serial data at 18.75 or 40.8 kbps. The actual bit rate is a function of the channel interface selected by the customer. This service requires a 303 Data Station(s). The 303 Data Station provides coupling between the customer's business machine and the wideband data transmission medium. A voiceband coordinating channel is also provided. Wideband Data channels are provided between customer designated premises.

(B) Technical Specifications Packages

Parameter	Package WD-		
	1	2	3
Error-Free Seconds	X	X	X

While in service, the monthly average of error-free seconds will be equal to or greater than 98.75%.

(C) Network Channel Interfaces

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

CI	Bit Rate
WB-18S	18.75 kbps, synchronous
WB-19A	up to 19.2 kbps, asynchronous
WB-19S	19.2 kbps, synchronous
WB-23A	up to 230.4 kbps, asynchronous
WB-23S	230.4 kbps, synchronous
WB-40S	40.8 kbps, synchronous
WB-50A	up to 50.0 kbps, asynchronous
WB-50S	50.0 kbps, synchronous

Compatible network channel interfaces are set forth in 7.3 following.

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* Wideband Analog Service is limited to circuits in place as of August 11, 1988.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.7 Wideband Data Service* (Cont'd)

(D) Optional Features and Functions

(1) Key Activated Transfer Arrangement

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 control service is required to operate the transfer arrangement. A spare channel, if required, is not included as a part of the option.

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

	Available with Technical Specifications Package WD-		
	1	2	3
Key Activated Transfer Arrangement	X	X	X

(D)

(D)

* Wideband Data Service is limited to circuits in place as of August 11, 1988.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (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)

7.2 Service Descriptions (Cont'd)

7.2.9 Base Rate Services, DS1 Service and DS3 Services

(T)
 (T)

(A) Basic Channel Description

(1) General

Base Rate channels, DS1 channels, and DS3 channels provide digital transmission at the discrete bit rates of 2.4 Kbps, 4.8 Kbps, 9.6 Kbps, 19.2 Kbps, 56.0 Kbps, 64.0 Kbps, and 1.544 Mbps and 44.736 Mbps, with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. These services provide digital transmission with the following characteristics:

(T)

- Base Rate Services provide channels operating at terminating bit rates of 2.4 Kbps, 4.8 Kbps, 9.6 Kbps, 19.2 Kbps and 56.0 Kbps, and 64.0 Kbps;
- DS1 Service provides channels operating at the terminating bit rate of 1.544 Mbps; and,
- DS3 Service provides channels operating at the terminating bit rate of 44.736 Mbps.

(T)

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(T)

Base Rate, DS1 and DS3 channels may be used to connect:

(T)

- a customer designated premises to another customer designated premises, or;
- a customer designated premises to a Telephone Company location where bridging, cross-connection or multiplexing functions are performed; or an ARS system location.
- two ANRS system locations may be connected via Base Rate, DS1 or DS3 Channel Mileage and Channel Mileage Terminations to interconnect Base Rate, DS1 or DS3 channels included in the customer's database for the Network Reconfiguration Service (described in 7.4.14(B)).

(T)
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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Base Rate Services, DS1 Service
and DS3 Service (Cont'd)

(A) Basic Channel Description (Cont'd)

(1) General (Cont'd)

Digital transmission paths for Base Rate Services, DS1 Service, and DS3 Service are differentiated by bit rate, and the quality of transmission is as delineated by the Channel Interface definitions in the Technical Reference Publications cited in Section 7.2 preceding. Customer options are available to customize the channels.

Base Rate Services, DS1 Service and DS3 Service channels may be connected to any other Base Rate Service, DS1 Service or DS3 Service at a Telephone Company Hub, and to certain other Special Access services as described in Section 7.2.9(B)(4)(f) following. When a customer orders service to a Telephone Company Hub, it is the customer's responsibility to assure that the channels connected at the Hub are compatible. Compatible network channel interfaces for interstate Special services are listed in Section 7.3 following.

When service is provided between a customer designated premises and a Telephone Company Fiber Hub location, listed in 7.4.10 following, that service is considered to end at the Fiber Hub location. Performance of the service is measured between the customer designated premises and the Fiber Hub location. Interconnection at the Fiber Hub is limited to DS1 Service and DS3 Service channels terminating at speeds of 1.544 and 44.736 Mbps, only (not available with DS1 - 128.0, 256.0, 384.0, 512.0, and 768.0 Kbps transport). (N)

When service is provided between a customer designated premises and an ANRS system location, that service is considered to end at the ANRS system location. Performance of the service is measured between the customer designated premises and the NRS system location. When service is provided between two NRS system locations, that service is considered to end at the NRS system locations, and performance of the service is measured between these two locations. Interconnection at the NRS system location is limited to DS3, DS1 (1.544 Mbps and 128 - 768 Kbps) and Base Rate Services (2.4 - 64 Kbps) channels. (N)

(This page filed under Transmittal No. 1390)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Base Rate Services, DS1 Service, and DS3 Services (Cont'd)

(T)
(T)

(A) Basic Channel Description (Cont'd)

(1) General (Cont'd)

The customer may provide the Network Channel Terminating Equipment associated with Base Rate, DS1 and DS3 Local Distribution Channels at the customer premises. In Wisconsin only, provision of 19.2 Kbps service requires the customer to provide a Channel Service Unit equipped with the secondary channels capability enabled. The interim program for interconnection of such equipment is set forth in Technical Reference PUB as No. 1.

(T)

At the option of the customer, DS3 service may be provided by means of an optical channel interface at the customer's premises. When the optical interface is selected, the customer must provide the Optical Line Termination associated with the Ameritech service channels at the customer premises. Interconnection of such equipment is limited to those interfaces set forth in 7.2.9(B)(1) following and described in Technical Reference AM TR TMO-000072.

(T)

(2) Connection with Other Network Services

Base Rate Services, DS1 Service and DS3 Service may be ordered to allow connections between the customer designated premises and the wire center which provides other network services.

(T)

(a) Dedicated Access Line (DAL)

(i) DS1 DAL

A Dedicated Access Line can be provided as an DS1 transmission path between a customer designated premises and a WATS serving office. An DS1 DAL is available only when the WATS serving office is an appropriately equipped digital switch. In other offices, DS1 Service as described above with multiplexing option must be utilized if the customer desires an DS1 Service Interface.

(T)
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(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Base Rate Services, DS1 Service and DS3 Services (Cont'd)

(T)
(T)

(A) Basic Channel Description (Cont'd)

(2) Connection with Other Network Services

(a) Dedicated Access Line (DAL) (Cont'd)

(ii) Base Rate Service (56 Kbps) DAL

(T)

A Dedicated Access Line can be provided as an Base Rate Service (56 Kbps) transmission path between a customer designated premises and a Public Switched Digital Service (PSDS) serving office. An Base Rate Service (56 Kbps) DAL is available only when the PSDS serving office is an appropriately equipped digital switch.

(T)
(T)

(B) Channel Configuration

(1) Base Rate, DS1, and DS3 Local Distribution Channels

(T)
(T)

Base Rate, DS1, and DS3 channels consist of Local Distribution Channels (LDCs), interoffice transport and optional features and functions.

(T)

Base Rate Services, DS1 Service and DS3 Local Distribution Channels provide digital interconnection between the Telephone Company Serving Wire Center (SWC) and the customer. The customer may select from a variety of channel types that define the termination at the customer location. Each type has its own bit rate and transmission characteristics defined by the network channel interface codes. The actual bit rate and/or framing format is a function of the network channel interface selected by the customer. For example, Access to Extended Superframe (BSE - Extended Superframe Conditioning) extends the customer's Ameritech DS1 framing structure from 12 to 24 frames. This framing format is available at no additional charge.

(T)

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Base Rate Services, DS1 Service and DS3 Service (Cont'd)

(B) Channel Configuration (Cont'd)

(1) Base Rate Services, DS1 Service and DS3 Service Local Distribution Channels (Cont'd)

The following types of LDCs are available:

Terminating Bit Rate	Loop Format	Data Transmission Format	Channel Interface
2.4 Kbps	4-Wire	Synchronous Serial	DU-24
4.8 Kbps	4-Wire	Synchronous Serial	DU-48
9.6 Kbps	4-Wire	Synchronous Serial	DU-96
19.2 Kbps	4-Wire	Synchronous Serial	DU-19
56.0 Kbps	4-Wire	Synchronous Serial	DU-56
56.0 Kbps(DAL)	2-Wire	Synchronous Serial	DU-16
56.0 Kbps(DAL)	4-Wire	Synchronous Serial	DU-56
64.0 Kbps	4-Wire	Synchronous Serial	DU-64
1.544 Mbps	4-Wire	Isochronous Serial	DS-15
44.736 Mbps	4-Wire	Isochronous Serial	DS-44
44.736 Mbps	4-Wire	Isochronous Serial	FC-56 or FC-12

When DS3 Service is provided using an optical channel interface, the customer is responsible for providing the Optical Line Termination (OLT) at the customer's premises. The OLT supplied at the customer premises must be compatible with the OLT used by the Telephone Company in the Serving Wire Center. The Telephone Company will work cooperatively with the customer to select compatible OLTs which conform to the requirements set forth in Technical Reference Publication AM TR TMO-000072.

All LDCs comprising a channel must have the same terminating bit rate unless multiplexing is performed at a Telephone Company Hub location.

Only certain LDC to LDC connections with unlike bit rates are allowable using multiplexing. The allowable multiplexing is described in Sections 7.2.9(B)(4)(f) and 7.4.7 following.

When DS1 LDCs are used in conjunction with DS1 128.0, 256.0, 384.0, 512.0 or 768.0 Kbps transport without multiplexing, the usable bandwidth available to the customer is 128.0, 256.0, 384.0, 512.0 or 768.0 Kbps, respectively.

(N)
(N)

(This page filed under Transmittal No. 1390)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Rate Services, DS1 Service and
DS3 Service (Cont'd)

(B) Channel Configuration (Cont'd)

(2) Interoffice Transport

Interoffice Transport facilities comprised of Channel Mileage Terminations (CMT), described in Section 7.1.2(B) preceding, and Channel Mileage (CM), described in Section 7.1.2(C) preceding, provide the transmission paths between the Serving Wire Centers associated with two customer designated premises, between a Serving Wire Center associated with a customer premises and a Telephone Company Hub location or an NRS System Location or between two Telephone Company NRS system locations for NRS associated services. When NRS system locations are within the same wire center only the appropriate port charges will apply. Three interoffice transport types are available; Base Rate transport which supports bit rates from 2.4 Kbps through 64.0 Kbps, DS1 transport at bit rates of 1.544 Mbps, 128.0 Kbps, 256.0 Kbps, 384.0 Kbps, 512.0 Kbps and 768.0 Kbps and DS3 transport at the 44.736 Mbps bit rate. (N)

Base Rate 2.4 Kbps through 64.0 Kbps LDCs are interconnected to Rate transport* while DS1 LDCs are interconnected to DS1 transport (1.544 Mbps, 128.0 Kbps, 256.0 Kbps, 384.0 Kbps, 512.0 Kbps or 768.0 Kbps) and DS3 SCs to DS3 transport. Additionally, higher speed LDCs may be cross-connected to lower speed transport using optional multiplexing features delineated in Section 7.2.9(B)(4)(f) following. (N)

(3) Optional Features and Functions

The following table shows the technical specifications packages with which the optional features and functions are available. Not all of the optional features and functions described in this section apply to all of the services; e.g., the Automatic Loop Transfer feature is applicable to DS1 channels operating at a terminating speed of 1.544 Mbps only. The following matrix shows the Optional Features and Functions by bit rate that a customer may select. The specific Optional Features and Functions are described in Section 7.2.9(B)(4), a through i, following. Except as specified in 7.2.9(B)(4)(f)(2) following, when DS1 LDCs are used in conjunction with DS1 128.0, 256.0, 384.0, 512.0 or 768.0 Kbps transport, no Optional Features and Functions are available. (N)

*Base Rate Interoffice Transport provides usable bandwidths to match the customer's LDC Bit Rate for Ameritech Base Rate services operating at terminating speeds up to and including 64.0 Kbps.

(This page filed under Transmittal No. 1390)

ACCESS SERVICE

7. Special Access Service (cont'd)

7.2 Service Descriptions (cont'd)

7.2.9 Base Rate Services, DS1 Service and DS3 Service (cont'd)

(B) Channel Configuration (cont'd)

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

Base Rate Services, DS1 Service and
 DS3 Service

(Application of Optional Features and Functions by Terminating Speeds)

	2.4 Kbps	4.8 Kbps	9.6 Kbps	56.0 Kbps	19.2 Kbps	64.0 Kbps	64.0 Kbps	1.544 Mbps	44.73 6 Mbps
	PACKAGES								
Parameter	DA-1	DA-2	DA-3	DA-4	DA-5	DA-6	HC-0	HC-1	HC-3
Central Office, Bridging Capability	X	X	X	X					
Secondary Channel	X	X	X	X					
Clear Channel Capabiity Automatic Protection Switching								X	
Transfer Arrangement	X	X	X	X				X	
Interconnection - Central Office Multiplexing - DS3 to DS1									X
- DS1 to Base Rate/128.0, 256.0, 384.0, 512.0, 768.0 Kbps Transport								X	
Fiber Hub Cross-Connection ^{/1/}								X	
NRS Terminations ^{/2/}	X	X	X	X	X	X	X	X	X
Multiplexer Cross-Connection								X	X

(N)

/1/ Description of this optional feature and function is delineated in Section 7.4 following.

/2/Description of the Network Reconfiguration Service (NRS) is delineated in Section 7.2.9(B)(5) following.

(This page filed under Transmittal No. 1390)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Base Rate Services, DS1 Service and DS3 Service (Cont'd)

(T)
(T)

(B) Channel Configuration (Cont'd)

(4) Optional Features and Functions

Application of these optional features and functions are delineated in Section 7.2.9(B)(3) preceding.

(a) Central Office Bridging Capability

This option is applicable to Base Rate channels operating at terminating speeds of 2.4, 4.8, 9.6 and 56.0 Kbps only. Central Office Bridging Capability allows for communications between three or more circuit termination locations.

(T)

(b) Secondary Channels

The Secondary Channel feature is provided in conjunction with Base Rate channels operating at terminating speeds of 2.4, 4.8, 9.6 and 56.0 Kbps (considered the primary channel). A secondary channel provides a companion digital channel over the same facility used to provide the primary channel, but at a lower bit rate. The secondary and primary channels operate independently of each other, over the same facilities, and must be co-terminated in common customer equipment as described in Technical References Publications, cited in Section 7.2 preceding. Secondary channel is offered as a two-point or multipoint service in Telephone Company locations where facilities are available. The addition of the secondary channel option to an existing Base Rate Services will be treated as a disconnect of the existing service and an installation of a new service including the secondary channel.

(T)

(T)

* Central Office Bridging Capability and Secondary Channels are not available with 56.0 Kbps DAL.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Base Rate Services, DS1 Service and DS3 Service (Cont'd)

(T)
(T)

(B) Channel Configurations (Cont'd)

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

(b) Secondary Channels (Cont'd)

The technical specifications for this feature are described in Technical Publications, cited in Section 7.2 preceding. The bit rates of the secondary channel are shown in the following table:

Base Rate Service Transmission Speed	Secondary Channel Transmission Speed
2.4 Kbps	133 Bps
4.8 Kbps	266 Bps
9.6 Kbps	533 Bps
56.0Kbps	2.66 Kbps

(T)

(c) Clear Channel Capability

An arrangement which allows a customer to transport 1.536 Mbps of information on a 1.544 Mbps line rate with no constraint on the quantity or sequence of one and zero bits.

Clear Channel Capability is provided for both point to point and channelized DS1 service and is a required option for DS1 service when 64 Kbps channels are multiplexed onto the DS1 service.

(T)
(T)

Where appropriate facilities are not immediately available, negotiated order intervals may apply. The technical specifications for this feature are as described in Technical Reference Publications, cited in Section 7.2 preceding.

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (cont'd)

7.2 Service Descriptions (cont'd)

7.2.9 Base Rate Services, DS1 Service and DS3 Service (cont'd)

(T)

(B) Channel Configuration (cont'd)

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

(d) Automatic Protection Switching

Automatic Protection Switching provides protection on a 1 x N basis, up to 1 x 4, 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 the working channel fails. The spare channel is not included as a part of the option. DS1 channels associated with Automatic Protection Switching arrangements installed after December 18, 1999, must be formatted with extended super frame.

Automatic Protection Switching arrangements installed prior to December 18, 1999, require compatible equipment at both the serving wire center and the customer premises and are not available for channels with Clear Channel Capability. The customer is responsible for providing the equipment at its premises.

Automatic Protection Switching is offered under the terms of the Optional Payment Plan (OPP), as described in 7.4.10 following. Except for Automatic Protection Switching arrangements installed prior to December 18, 1999, Monthly Extension rates will apply only after a customer has completed an OPP term.

(e) Transfer Arrangement

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 the 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. A spare channel, if required, is not included as part of the option.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Base Rate Services, DS1 Service and
DS3 Service (Cont'd)

(B) Channel Configuration (Cont'd)

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

(f) Interconnection - Central Office Multiplexing

(1) DS3 to DS1 Multiplexing

An arrangement that converts an DS3 channel operating at a terminating speed of 44.736 Mbps to 28 DS1 channels operating at a terminating speed of 1.544 Mbps using digital time division multiplexing (available with 128.0, 256.0, 384.0, 512.0, and 768.0 Kbps and 1.544 Mbps transport). (N)

(2) DS1 to Voice/Base Rate/
128.0, 256.0, 384.0, 512.0, 768.0 Kbps Transport Multiplexing (N)

An arrangement that converts an DS1 (1.544 Mbps only) channel to 24 channels for use with Direct Analog Service, Base Rate Service, and 128.0, 256.0, or 384.0 Kbps Transport Services (multiple channels are required to provide individual 128.0, 256.0, 384.0, 512.0, or 768.0 Kbps channels). A channel of this DS1 to the Hub can also be used for Program Audio, Dedicated Network Access Line, or Dedicated Access Line Services. Multiple channels may be required to provide individual Program Audio channels. (N)

(This page filed under Transmittal No. 1390)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Base Rate Services, DS1 Service and
DS3 Service (Cont'd)

(B) Channel Configuration (Cont'd)

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

(g) Fiber Hub Cross-connection

An arrangement to cross-connect DS1 Service, (excluding DS1 - 128.0, 256.0, 384.0, 512.0, and 768.0 Kbps Transport) DS3 Service, or Base Rate Service terminations to another service of the same speed at a designated Fiber Hub location. The customer must purchase service to the Fiber Hub from his designated premises.

(N)

(This page filed under Transmittal No. 1390)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.9 Base Rate Services, DS1 Service and DS3 Service (Cont'd) (T)

(B) Channel Configuration (Cont'd)

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

(h) ANRS Termination

An arrangement to connect an DS3, DS1 or Base Rate Local Distribution Channel or interoffice transport facility to an Network Reconfiguration System (ANRS) location to allow the connected DS3, DS1, Base Rate, DS3 or DS1 service to be reconfigured with ANRS. All DS3, DS1 and Base Rate Services that are to be included in a customer's ANRS database must be terminated on an ANRS system location. Only services that are included in a customer's ANRS database may utilize the ANRS Termination feature. (T)

(i) Shared Network Arrangement

(1) A Shared Network Arrangement is a service offering that enables a customer (the "Service User") to connect subtending services to the multiplexed DS3 or DS1 service of another customer (the "Host Subscriber"), with the Telephone Company maintaining separate records and 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 Direct Analog or Base Rate circuits from a Host's multiplexed DS1 service, or DS1 circuits from a Host's multiplexed DS3 service. (T)

(2) Under the Shared Network Arrangement, the Telephone Company 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

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.9 Base Rate Services, DS1 Service and DS3 Service (Cont'd)

(T)

(B) Channel Configuration (Cont'd)

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

(i) Shared Network Arrangement (Cont'd)

(2) (Cont'd)

discretion of the Telephone Company as is necessary to perform billing reconciliations and/or other functions required in connection with maintaining account records.

(3) Section 7.4.11 contains rate regulations specific to Shared Network Arrangements.

(j) Multiplexer Cross-Connection (MCC)

An arrangement that allows one channel of a multiplexed DS1 or DS3 Service to be connected to one channel of the same bit rate and like signaling of another multiplexed DS1 or DS3 Service.

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(T)

The lesser speed channel may be a Direct Analog Service between two DS1 multiplexers, or an Base Rate Service provided at 64 Kbps of bandwidth between two DS1 multiplexers, or an DS1 Service between two DS3 multiplexers.

(T)
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(T)

MCC will be provided at all Telephone Company locations where multiplexing is performed or between two Telephone Company locations where multiplexing is performed.

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.9 Base Rate Services, DS1 Service and DS3 Service (Cont'd) (T)

(B)Channel Configuration (Cont'd)

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

(k) Shared Facility Credit/Shared Facility Channel Service

Shared Facility Credit (SFC) is an option available to customers of DS3 Special Access Service who allow the Telephone Company use of their Ameritech-provided DS3 service for the provision of Shared Facility Channel Service, as described following, to other Telephone Company customers. With SFC, the Telephone Company will provide a credit to the customer of the DS3 Special Access Service when the Telephone Company utilizes a portion of the DS3 Local Distribution Channel (LDC), associated DS3 to DS1 multiplexer, and, if appropriate, DS3 Channel Mileage Terminations (CMT) and Channel Mileage (CM) to provide Shared Facility Channel Service to another Telephone Company customer. (T)

Shared Facility Channel Service provides a DS1 communications channel over SFC provisioned DS3 service between the DS3 customer's premises and the Telephone Company wire center location of the DS3 multiplexer. Shared Facility Channel Service must be connected to DS1 service at the DS3 multiplexer wire center. (T)

Shared Facility Channel Service Charges as set forth in Section 7.5.9(B)(5)(j) will apply to the customer of the Shared Facility Channel Service for the Shared Facility Local Distribution Channel and, if appropriate, Shared Facility Channel Mileage Terminations and Channel Mileage provided over the DS3 Special Access Service subject to the SFC. (T)

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Effective: October 21, 2003

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

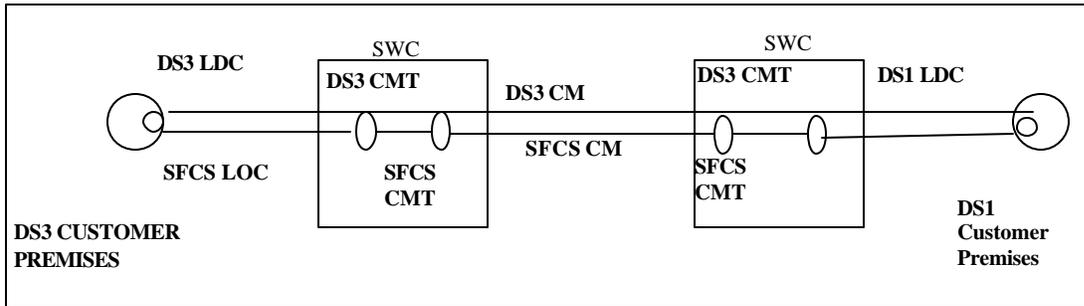
7.2.9 Base Rate Services, DS1 Service and DS3 Service (Cont'd)

(B) Channel Configuration (Cont'd)

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

(k) Shared Facility Credit/Shared Facility Channel Service (Cont'd)

The following diagram depicts an DS1 Service connected to a Shared Facility Channel Service (SFCS) provisioned over a Shared Facility Credit arranged DS3 Service.



- SWC - Serving Wire Center
- LDC - Local Distribution Channel
- CMT - Channel Mileage Termination
- CM - Channel Mileage
- MUX - DS3 to DS1 Multiplexer

Section 7.4.19 contains rate regulations specific to Shared Facility Credit/Shared Facility Channel Service arrangements.

(5) Network Reconfiguration Service (ANRS)

(A) General

Network Reconfiguration Service (ANRS) gives customers the ability to reconfigure networks, via electronic cross-connections, comprised of DS3, DS1 and Base Rate channels connected at ANRS system locations. Reconfiguration may be accomplished by placing an electronic request via a customer provided terminal or by calling a Telephone Company attendant.

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.9 Base Rate Services, DS1 Service and DS3 Service (Cont'd) (T)

(B) Channel Configuration (Cont'd)

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

(B) Service Description

Network Reconfiguration Service gives customers the ability to reconfigure their networks via cross-connections of their DS3, DS1 and Base Rate Service channels which are identified in a customer specific network database. The NRS system location provides an interface at the DS3 (44.736 Mbps), DS1 (1.544 Mbps) and Base Rate (2.4 - 64 Kbps) levels. The customer may specify cross-connections at the DS3, channelized DS3, DS1, channelized DS1, or Base Rate level. (T)

Customer access to NRS may be made directly by the customer utilizing customer provided terminal equipment on the customer's premises in conjunction with a Dedicated Network Access Link or dial-in line. Access is also available through a Telephone Company attendant reached by a dial access telephone line. (T)

NRS will give the customer the ability to make changes in the individual channel segments of their network. Customers may reconfigure DS3, DS1 or Base Rate or DS1 service. Customers may also reconfigure Direct Analog channels that are channels of a reconfigurable channelized DS1 service. To utilize this capability, customers must order appropriate DS1 multiplexing in addition to the ANRS Terminations at the DS1 level and the NRS service. (T)

NRS will be available on a continuous basis except for the performance of scheduled preventative and routine maintenance or scheduled software updates. The customer will be notified at least 24 hours in advance of any scheduled service interruptions. (T)

NRS system locations are found in the National Exchange Carrier Association, Inc., Tariff F.C.C. No. 4. (T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.9 Base Rate Services, DS1 Service and DS3 Service (Cont'd) (T)

(B) Channel Configuration (Cont'd)

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

(C) Technical Specifications

Services that are cross-connected by the Network Reconfiguration Service (T) will not operate properly unless they have identical technical characteristics to ensure compatibility and proper operation. NRS (T) customers are responsible for the compatibility of the services they choose to cross-connect.

If the Telephone Company determines that the technical characteristics of services selected for cross-connection by the customer are not compatible, they will advise the customer and give them the opportunity to change the order.

The Network Reconfiguration Service specifications are delineated in Technical Reference AM-TR-OAT-000064. (T)

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One SBC Plaza, Dallas, Texas 75202

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Base Rate Services, DS1 Service and DS3 Service (Cont'd)

(T)
(T)

(B) Channel Configuration (Cont'd)

(6) Technical Specifications Packages

The technical specifications for Base Rate Services, DS1 Service and DS3 Service are delineated in Technical References. Base Rate Services (DA1-5) are described in TR-NPL-000341, and Base Rate (DA6) as described in AM-TR-OAT-000070. DS1 (HC1) and DS3 (HC3) are described in TR-INS-000342 and AM-TR-TMO-000101. DS1 (HX) is described in AM-TR-TMO-000106.

(T)
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(T)

The Telephone Company will provide an Base Rate channel to provide connectivity at terminating speeds from 2.4 Kbps through 64.0 Kbps with error-free second performance typified by a monthly average objective of 99.875 percent while the channel is in service. Such performance must be measured through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB AM-TR-OAT-000070. The overall performance of an individual circuit will depend upon the performance characteristics of data communications equipment that is provided and maintained by the customer as well as network conditions. Error-free second performance is provided to indicate typical circuit performance objectives, not as an assurance of performance on an individual circuit.

(T)

For an DS1 channel operating at a terminating bit rate of 1.544 Mbps (HC1), the Telephone Company will provide a channel capable of an error-free second performance of 99.75 percent over a continuous 24 hour period as measured at the 1.544 Mbps rate through a NCTE equivalent which is designed, manufactured and maintained to conform with the specifications in Technical Reference Publication PUB 62411. Additional transmission performance specifications are described in AM-TR-TMO-000101; all transmission performance specifications listed in this document replace any specifications contained in other DS1 or DS3 Technical References.

(T)

(T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 Base Rate Services, DS1 Service and
DS3 Service (Cont'd)

(T)
(T)

(B) Channel Configuration (Cont'd)

(7) Network Channel Interfaces

The network channel interfaces define the bit rates that are available for Base Rate, DS1 and DS3 channels operating at terminating speeds 2.4 Kbps, 4.8 Kbps, 9.6 Kbps, 19.2 Kbps, 56.0 Kbps, 64.0 Kbps, 1.544 Mbps and 44.736 Mbps. Network channel interfaces and codes are described in 7.3 following.

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(T)

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One SBC Plaza, Dallas, Texas 75202

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(A) Basic Channel Description

(1) General

Optical Carrier Network (OCN) Point-to-Point channels provide high speed synchronous optical fiber-based full duplex data transmission capabilities. These services provide optical data transmission with the following characteristics:

- OC-3/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;
- OC-192 provides channels operating at the terminating bit rate of 9953.28 Mbps;

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

- a customer designated premises to another customer designated premises, without the add/drop multiplexing capability.
- a customer designated premises to a Telephone Company location where add/drop multiplexing and add/drop functions are performed.
- a Dedicated SONET Ring Service node in a Telephone Company location to a customer designated premises or a Collocator's virtual collocation.⁽¹⁾

(N)
(N)
(N)

Optical Transmission paths for OCN Point-to-Point Service differentiated by bit rate and the quality of transmission is as delineated by the Optical Interface definitions in the Technical Reference Publications cited in 7.2 preceding.

OC-3 Service, OC-12 Service and OC-48 Service 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 an DS1 and/or DS3 at suitably equipped wire centers, or (2), by using the full bandwidth premises to premises.

⁽¹⁾This connection is not available for OC-192 channels.

(N)

(This page filed under Transmittal No. 1409)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(T)

(A) Basic Channel Description (Cont'd)

(1) General (Cont'd)

Where appropriate facilities are not immediately available, negotiated intervals may 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 and OC-48/OC-48c service connection and each STS-1, STS-3 and/or STS-12 payload content. This information is needed for routing and connection purposes in the network. OCN does not extend the SONET data communication channel overhead across the network interface to the customer's equipment.

(T)
 (M)
 (N)
 (M)
 (M)
 (T)
 (N)
 (N)

OCN Point-to-Point Service based on customer requirements can be configured in any of the following ways:

(T)

OC-3 - 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 Ameritech network;
- a single concatenated STS-3C channel.

(T)
 (T)

OC-12 - 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 Ameritech network;
- four concatenated STS-3C channels.

(T)
 (T)
 (T)

Certain material and revised material on this page previously found on 4th Revised Page 273.1.1. Certain material previously on this page now appears on 5th Revised Page 273.1.1.

(This page filed under Transmittal No. 1285)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd) (T)

(A) Basic Channel Description (Cont'd)

(1) General (Cont'd)

OC-12 (Cont'd)

- 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. (M)
- a single concatenated STS-12C channel. (M)

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

- one DS3 that is STS-1 mapped; or (T)
- up to 28 asynchronous DS1s that are VT-mapped; or (T)
- 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 Ameritech network;
- sixteen concatenated STS-3C channels. (T)
- 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.
- four concatenated STS-12Cs channels. (T)
- 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.
- 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.

Certain material and revised material on this page previously appeared on 7th Revised Page 273.1.
Certain material previously on this page now appears on 1st Revised Page 273.1.1.1.

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One Bell Plaza, Dallas, Texas 75202

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(T)

(A) Basic Channel Description (Cont'd)

(1) General (Cont'd)

OC-48 (Cont'd)

- 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.

(M)

(M)

OC-192 - One hundred ninety two interleaved STS-1 Channels

(N)

- 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 Ameritech network;
- Sixty four interleaved concatenated STS-3 channels.
- 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.
- Sixteen interleaved concatenated STS-12c channels.
- 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.
- 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.
- 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.

(N)

Certain material and revised material on this page previously appeared on 4th Revised Page 273.1.1.
Certain material previously on this page now appears on Original Page 273.1.1.3.

(This page filed under Transmittal No. 1285)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(A) Basic Channel Description (Cont'd)

(1) General (Cont'd)

OC-192 (Cont'd)

- Four interleaved concatenated STS-48c channels.
- 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.
- 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.
- 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.
- 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.
- 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.
- From one to three interleaved concatenated STS48 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.
- From one to three interleaved concatenated STS-48 channels, mixed from one to eleven concatenated STS-12c channels, also mixed with from three to one hundred and twenty nine STS-1 channels, subject to utilization of the total STS-192 capacity.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(B) Channel Configuration (Cont'd)

(2) Interoffice Transport

Interoffice Transport facilities comprised of Channel Mileage Termination (CMT), described in Section 7.1.2(B) preceding, and Channel Mileage (CM), described in Section 7.1.2(C) preceding, provide the transmission paths between Serving Wire Centers associated with two customer designated premises or between a Serving Wire Center associated with a customer premises and a Telephone Company Hub location. Four interoffice transport types are available. OC-3/OC-3c which supports bit rate of 155.52, Mbps OC-12/OC-12c at a bit rate of 622.08 Mbps, OC-48/OC-48c at a bit rate of 2488.32 and OC-192 at a bit rate of 9953.28 Mbps.

OC-3/OC-3c LDCs are interconnected to OC-3/OC-3c transport.

OC-12/OC-12c LDCs are interconnected to OC-12/OC-12c transport.

OC-48/OC-48c LDCs are interconnected to OC-48/OC-48c transport.

OC-192 LDCs are interconnected to OC-192 transport

(T)
 (T)
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 (T)

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

- another lower speed Add/Drop Function;
- another lower speed Local Distribution Channel;
- a lower speed Dedicated Ring Port;

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

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(B) Channel Configuration (Cont'd)

(3) Optional Features and Functions

The following optional features and functions are available:

- Add/Drop Multiplexing
- Add/Drop Function
- 1+1 Protection (OC-3/OC-3c, OC-12/OC-12c, OC-48/OC-48c and OC-192)
- 1+1 Protection with Cable Survivability (OC-3/OC-3c, OC-12/OC-12c, OC-48/OC-48c and OC-192)
- 1+1 Protection with Route Survivability (OC-3/OC-3c, OC-12/OC-12c, OC-48/OC-48c and OC-192)
- 1+1 Protection with Central Office Survivability*
- 1+1 Protection with Customer Premises Survivability*
- OC-3, OC-12 and OC-48 Cross-Connects
- Regenerators (OC-48 and OC-192)

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

Add/Drop multiplexing is an arrangement in a Telephone Company central office that allows an 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 or 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 terminating on the Central Office multiplexer.

*1+1 Protection with Central Office Survivability for OC-3 and OC-12 and/or Customer Premises Survivability for OC-12 and OC-48, subscribed to, on or after January 11, 2002, will no longer be available.

(T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(B) Channel Configuration (Cont'd)

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

(a) OCN Point-to-Point Add/Drop Multiplexing (Cont'd)

For example, OC-3 add/drop multiplexing at a Telephone Company wire center will provide the capability to support the full add/drop function capacity of OC-3 Service bandwidth with up to 3 DS3 add/drop functions or equivalently up to 3 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 or OC-48 cannot be ordered under the central office feature section as the Telephone Company cannot convert individual STS-1 signals to concatenated (non-channelized) channels.

OC-12 add/drop multiplexing at a Telephone Company wire center will provide the capability to support the full add/drop function capacity of OC-12 service bandwidth with up to 4 OC-3 add/drop functions or up to twelve DS3 add/drop functions or equivalent combinations of OC-3 and DS3 add/drop functions.

If asynchronous DS1 ports are required on a 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 Telephone Company wire center will provide the capability to support one quarter of the add/drop function capacity of OC-48 service bandwidth. Up to four OC-48 add/drop multiplexing options may be provided with each supporting one OC-12 add/drop function, or up to 4 OC-3 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 can be followed.

OC-192 add/drop multiplexing at a Telephone Company 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.

(This page filed under Transmittal No. 1285)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(B) Channel Configuration (Cont'd)

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

(b) Add/Drop Function

The OCN Point-to-Point Service is 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, they would pay one add/drop function charge for the DS3 and the initial OC-12 add/drop multiplexing charge. (T)

An OCN Point-to-Point Service is only able to add/or drop the services that have been identified by payload content (mapping) within the bandwidth. DS1 mapped STS-1 signals are only able to connect to a DS1, and a DS3 mapped STS-1 signals are only able to connect to a DS3. If a change is required it may be accomplished by the customer's CPE or through the current asynchronous environment for multiplexing of DS3 and DS1 services stated in Section 7.2.9. (T)

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

<u>ADD/DROP Function</u>					
	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

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(B) Channel Configuration (Cont'd)

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

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

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

(d) 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 protected fiber pair. This option does not protect against a fiber cable cut.

The protected OC-3/OC-3c Service, OC-12/OC-12c Service, OC-48/OC-48c Service 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.

(e) 1+1 Protection with Cable Survivability⁽¹⁾

(N)

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 damages or a fiber cut, traffic will switch to the protected fiber pair in a separate cable. These cables are located in the same conduit, if the conduit is cut, there is no protection.

This option will provide 1+1 protection and additional loop survivability with the working fiber pair and protect fiber pair placed in separate cables within the same conduit.

⁽¹⁾Not available for OCN service originating and terminating within a Telephone Company location.

(N)

(This page filed under Transmittal No. 1409)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(B) Channel Configuration (Cont'd)

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

(f) 1+1 Protection with Route Survivability⁽¹⁾

(N)

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 will be charged on a distance sensitive basis, in addition to the protection optical charge and will be based on quarter route miles, from the customer premises to the serving wire center.

This is the only option that will also assure 100 percent availability of the service. Any service interruption will result in a credit equal to one month's bill for the circuit involved. If the interruption occurs on a 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 Telephone Company and end when the service is operative. In any month, as a result of an interruption, the total credit per rate element of the interrupted service may not exceed 100 percent of the monthly charge for that particular rate element. All other terms and conditions for Credit Allowances as stated in 2.4.4 preceding, will apply.

Prior to confirming an order for service, the Telephone Company 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 number needed to provide the alternate route. In order to avoid compromising Route Survivability information, the Telephone Company 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 Telephone Company.

⁽¹⁾ Not available for OCN service originating and terminating within a Telephone Company location.

(N)
(N)

(This page filed under Transmittal No. 1409)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(B) Channel Configuration (Cont'd)

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

(g) 1+1 Protection with Site Survivability

- (1) 1+1 Protection with Central Office Survivability for OC-3 and OC-12*

(T)
(T)

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

(T)

This option will also assure 100 percent availability of the service. Any service interruption will result in a credit equal to one month's bill for the circuit involved. If the interruption occurs on a 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 Telephone Company and end when the service is operative. In any month, as a result of an interruption, the total credit per rate element of the interrupted service may not exceed 100 percent of the monthly charge for that particular rate element. All other terms and conditions for Credit Allowances as stated in 2.4.4 preceding, will apply.

*1+1 Protection with Central Office Survivability for OC-3 and OC-12 subscribed to, on or after January 11, 2002, will no longer be available.

(T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(B) Channel Configuration (Cont'd)

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

(g) 1+1 Protection with Site Survivability (Cont'd)

- (1) 1+1 Protection with Central Office Survivability for OC-3 and OC-12* (Cont'd) (T)
(T)

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

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

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

- (2) 1+1 Protection with Customer Premises Survivability (CPS) for OC-12 and OC-48* (T)

1+1 Protection with Customer Premises Survivability (CPS) offers traditional 1+1 protection with additional protection from customer premises failure. The CPS option provides diverse routing for the OC-N service protection path between the primary customer premises serving wire center (PSWC) and an alternate customer premises. This option will allow originating and terminating OC-N traffic to be routed to the PSWC via an alternate customer's premises Serving Wire Center (ASWC) in case of a failure.

*1+1 Protection with Central Office Survivability for OC-3 and OC-12 and/or Customer Premises Survivability for OC-12 and OC-48 subscribed to, on or after January 11, 2002, will no longer be available. (T)
(T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(B) Channel Configuration (Cont'd)

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

(g) 1+1 Protection with Site Survivability (Cont'd)

(2) 1+1 Protection with Customer Premises Survivability (CPS)
for OC-12 and OC-48* (Cont'd)

(T)

Using this option, the customer and the Telephone Company jointly select a single wire center from which add/drop multiplexing is allowed. This wire center may be the PSWC, the ASWC or another Telephone Company wire center equipped with add/drop multiplexing.

OC-N Channel Mileage (CM) and Channel Mileage Termination (CMT) rate elements are not available with this option.

CPS mileage applies between the PSWC, ASWC and the add/drop multiplexing wire center (when applicable) and is assessed on a per air mile basis. Calculation of air mileage is described in 7.4.7 preceding.

The CPS Termination charge applies at the PSWC and the ASWC. If an add/drop multiplexer location different from either the PSWC or ASWC is utilized, two additional CPS Termination Charges apply at that location.

CPS OC-N Regenerator provides for signal regeneration on a per OC-N regenerator basis (if required) when the actual protection path exceeds design limits (typically 25 to 30 air miles).

CPS Extension represents the facility utilized between the alternate customer premises and the alternate serving wire center. The CPS Extension, while architecturally similar to a Local Distribution Channel, differs in that the facilities are dedicated to the protection path for this customer application. The cost of this rate element is independent of the speed of the service unlike the Local Distribution Channel (LDC) which changes along with the service channel required for the OC-N service.

*1+1 Protection with Customer Premises Survivability for OC-12 and OC-48 subscribed to, on or after January 11, 2002, will no longer be available.

(T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(B) Channel Configuration (Cont'd)

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

(g) 1+1 Protection with Site Survivability (Cont'd)

(2) 1+1 Protection with Customer Premises Survivability (CPS) for Ameritech OC-12 and Ameritech OC-48* (Cont'd)

Both customer and Telephone Company equipment must be configured for path switching/ring operation per Ameritech Technical Reference AM-TR-NIS-000111 for this option.

Rate elements for Customer Premises Survivability (CPS) include;

- CPS Mileage (measured in air miles - one mile minimum)
- CPS Termination (per wire center - as required)
- CPS Regenerator OC-N (as required)
- CPS Extension (from the ASWC to the alternate customer premises)

If existing facilities do not exist, Special Construction may apply.

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

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

*1+1 Protection with Customer Premises Survivability for OC-12 and OC-48 subscribed to, on or after January 11, 2002, will no longer be available.

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One SBC Plaza, Dallas, Texas 75202

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

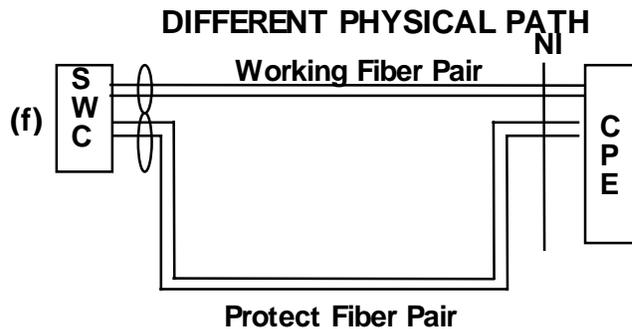
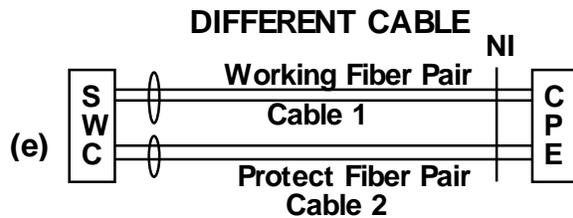
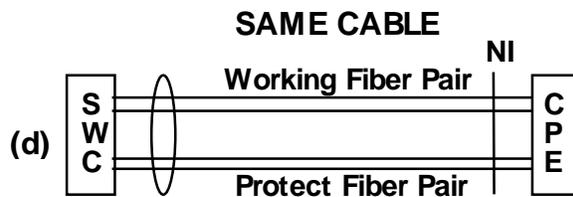
7.2.10 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(T)

(B) Channel Configuration (Cont'd)

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

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



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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

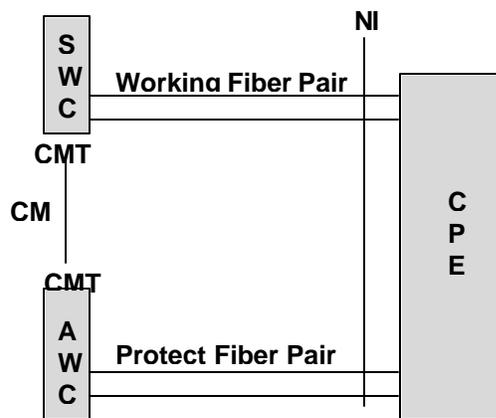
7.2.10 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(B) Channel Configuration (Cont'd)

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

The following diagram provides an example of (g)(1) above:

1 + 1 Protection with Central Office Survivability*



- *CM = Channel Mileage
- *CMT = Channel Mileage Terminations
- AWT = Alternate Wire Center

*1+1 Protection with Central Office Survivability for OC-3 and OC-12 subscribed to, on or after January 11, 2002, will no longer be available.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

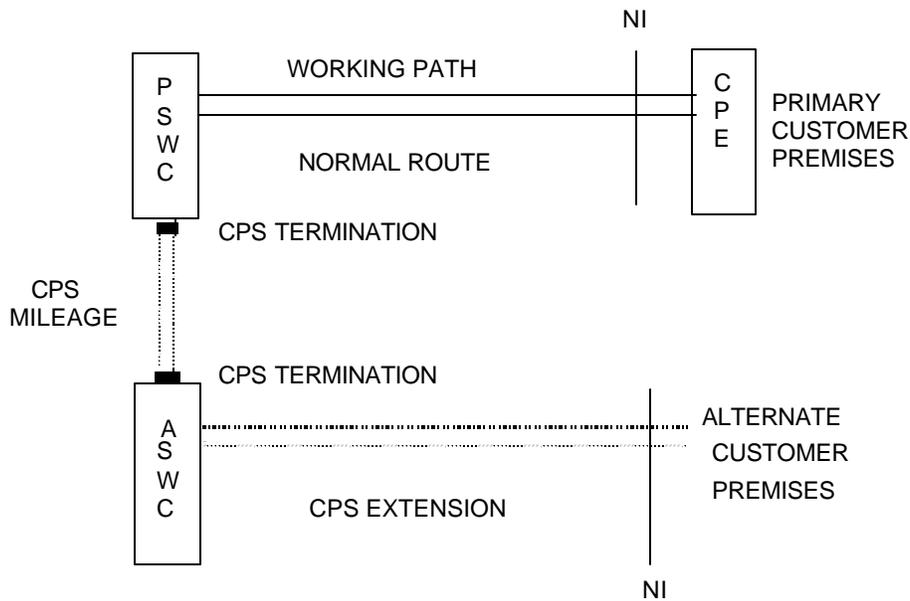
7.2.10 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(B) Channel Configuration (Cont'd)

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

The following diagram provides an example of (g)(2) above:

1 + 1 PROTECTION WITH CUSTOMER PREMISES SURVIVABILITY*



CPS = Customer Premises Survivability
ASWC = Alternate Serving Wire Center
PSWC = Primary Serving Wire Center
----- = Protection Path

*1+1 Protection with Customer Premises Survivability for OC-12 and OC-48 subscribed to, on or after January 11, 2002, will no longer be available. (T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(B) Channel Configuration (Cont'd)

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

(I) Shared Network Arrangement

(i) A Shared Network Arrangement is a service offering that enables a customer ("Service User") to connect subtending services to the multiplexed OCN Point-to-Point service of another customer (the "Host Subscriber"), with the Telephone Company 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 or an OC-48 service from a Hosts' multiplexed OC-192 Service.

(T)
|
(T)

(ii) Under the Shared Network Arrangement, the Telephone Company 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 Telephone Company and is necessary to perform billing reconciliation and/or other functions required in connection with maintaining account records.

(iii) Section 7.4.12 contains rate regulations specific to Shared Network Arrangements.

(4) Technical Specifications Packages

The technical specifications for OC-3/OC-3c, OC-12/OC-12c and OC-48/OC-48c and OC-192 are described in Technical References, AM-TR-NIS-000111 and AM-TR-TMO-000101.

(T)
(T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(B) Channel Configuration (Cont'd)

(5) Network Channel Interfaces

The network channel interfaces define the bit rates that are available for OCN Point-to-Point Services operating at speeds of 155.52 Mbps, 622.08 Mbps, 2488.32 Mbps, and 9953.28 Mbps. Network Channel interfaces and codes are described in 7.3 following.

(C) 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, 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. Monthly Extension Rates are not available as an individual TPP and are to be used as a default applied at the end of a regular 1 year (12 month), 3 year (36 month), and 5 year (60 month) TPP.

(C)
(C)

(D) Nonrecurring Charges*

Nonrecurring charges are one-time charges that apply for specific work activity (i.e., installation of new services and rearrangements of installed services), as described in Section 7.4.2.

(E) Minimum Periods

The Minimum Period for the OCN Point-to-Point Service is one year for all customers including one, three and five year TPP customers. In the event OCN Point-to-Point Service is terminated prior to completion of the minimum period, termination liabilities as described in 7.2.10(G) will apply.

(C)
(C)

*For Services ordered under MVP, refer to Section 19.3(E)(5).

(This page filed under Transmittal No. 1303)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(F) Term Pricing Plans (TPP)

(1) General Description

Term Pricing Plans (TPP) are available on Local Distribution Channels, Interoffice Transport and Add/Drop Multiplexing rate elements. The TPP stabilizes rates for OCN Point-to-Point Service for the specified period of time. The following TPPs are available:

- One Year (12 month) TPP,
- Three Year (36 Month) TPP, or
- Five-Year (60-Month) TPP.

(N)

(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.

(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 one, 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.

(C)

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

(This page filed under Transmittal No. 1303)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

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

(4) Conversions

If there is at least one month remaining on an existing 1 or 3 year OCN Point-to-Point TPP, the customer may convert the service to a higher term OCN Point-to-Point TPP without termination liability and, at the time of the access order to convert, retain the service for the period remaining on the higher term OCN Point-to-Point TPP. No retroactive OCN Point-to-Point TPP discounts will apply prior to the order date. (C)

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 begin paying the 5 year TPP rate for the remaining period of 2 years and 11 months (35 months) on the new TPP.

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

The customer may, at any time, move other Telephone Company Special Access Services that have not been grandfathered, to an OCN Point-to-Point service. Charges for the transition will be the nonrecurring charges for the installation of the new OCN Point-to-Point rate elements as listed in Section 7.5.10 (Rates and Charges) following, created by the transition. No other charges, such as Service Facility Moves will be applicable to such transitions. The relevant Telephone Company tariff sections for the services, if applicable for the Special Access Services being transitioned from, will govern termination charges in question.

In the event that the current Point-to-Point Special Access service is no longer available to the customer and their existing term payment plan has not been completed or expired, the customer may choose to convert their TPP using the OCN Point-to-Point service as described in 7.2.10(N), following. If the customer's TPP expires and the customer does not choose to renew their TPP for any of the Telephone Company Access Services including OCN Point-to-Point, or if the customer fails to notify the Telephone Company of their plans to renew their TPP upon expiration of the current TPP, all TPPs will become subject to Monthly Extension Rates as set forth in Section 7.2.10(C). Upon notification by the customer that renewal of the TPP or the cancellation of service is needed, the Telephone Company will remove the monthly extension rate and normal TPP terms and conditions will apply or not apply in the case of cancellation of service.

(This page filed under Transmittal No. 1303)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(G) Termination Liability

Customer 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:

Billing Period	Termination Percentage	
1, 3, or 5 years	50%	(C)

The termination liability is calculated as follows:

(Monthly recurring rate) X (Months remaining X (Termination percentage)
 in billing)

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:

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

A termination charge will not apply under the following conditions and circumstances:

1. Moves as set forth under "Moves" without decreasing number of OC-N PTP circuits
2. Modifications of services as described in the tariff
3. Conversions to other special access service if
 - a. service is same or higher
 - b. billing period same or greater
 - c. billing period revenue for the special access service is greater than or equal to the OC-N PTP billing period revenue.

(H) 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 are dependent upon the type of move requested by the customer.

(This page filed under Transmittal No. 1303)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(H) Moves (Cont'd)

(1) Service Rearrangement

Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in 5.2.5 preceding or a change in the physical location of the point of termination at a customer or customer's end user premises, as described in Section 7.4.2.

(2) Moves Within the Same Building

When the move is to a new location within the same building, the Administrative Charge and Customer Connection Charge for the service termination affected will apply. There will be no change in the minimum period requirements, as described in Section 7.4.6.

(3) Moves To a Different Building

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, as described in Section 7.4.6.

(I) Mileage Measurement

The mileage is calculated on the airline distance between the locations involved, i.e., the serving wire centers associated with two customer designated premises, the serving wire center associated with a customer designated premises and an international boundary point, a serving wire center associated with a customer designated premises and a Telephone Company Hub, a serving wire center associated with a customer designated premises and a WATS Serving Office as described in Section 7.4.7.

(J) Modification of Access Service

The customer may request a modification of its Access Order at anytime prior to notification by the Telephone Company that service is available for the customer's use. The Telephone Company will make every effort to accommodate a requested modification when it is able to do so with the normal work force assigned to complete such an order within normal business hours. If the modification cannot be made with the normal work force during normal business hours, the Telephone Company will notify the customer.

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One Bell Plaza, Dallas, Texas 75202

(N)

(N)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(J) Modification of Access Service (Cont'd)

If the customer still desires the Access Order modification, the Telephone Company will schedule a new service date. All charges for Access Order modifications will apply on a per occurrence basis as described in Section 5.2.2.

(K) Shared Use

Shared use occurs when Special Access Service and Switched Access Service are provided over the same Wideband Analog* or DS1 or DS3 facilities or SONET based services through a common interface. The facility will be ordered, provided and rated as Special Access Service (e.g., Channel Termination, DS3 Service Packages, DS3 Service Channels, Channel Mileage Terminations and Channel Mileage, as appropriate, and Multiplexing).

The nonrecurring charge that applies when the Shared Use Facility is installed will be the nonrecurring charge associated with the installation of the appropriate Special Access Wideband Analog or DS1 or DS3 facility or SONET based service. 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 Transport Service from the office where multiplexing occurs to either an end office or an access tandem.

(L) Jointly Provided Service

Jointly Provided Service is also referred to as "meet-point-billing" arrangements. The service consists of one end of an 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.

(M) Ordering Options and Conditions

The ordering options and conditions section sets forth the regulations and order related charges for Access Orders for Switched and Special Access Services and Specialized Services and Arrangements and Planned Facilities Orders for Switched Access Services as described in Section 5.

*Wideband Analog Service is limited to circuits in place as of August 11, 1988.

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One Bell Plaza, Dallas, Texas 75202

(N)

(N)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(N) Upgrade to OCN Point-to-Point from lower speeds

Customers with one, three, or five year OCN Point-to-Point TPPs may at any time upgrade OCN Point-to-Point service (e.g., OC-48 to OC-192) without incurring the Termination Liability charge, providing the following criteria are met: (C)

- The customer subscribes to a Term Pricing Plan period that is equal to, or greater than 12 months; (C)
- 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;
- 100% of any waived or unamortized nonrecurring charges will apply, when applicable;
- The monthly rates for the new service(s) will be those rates in effect at the time the new service(s) is/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.

(This page filed under Transmittal No. 1303)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.11 OC-3, OC-12, OC-48 and OC-192 Dedicated Ring

(A) Basic Service Description

(1) General

OC-3, OC-12, OC-48 and OC-192 Dedicated Ring provides the customer with a dedicated custom network. The network is in a ring architecture including sub-rings designed to provide increased reliability and functionality connecting multiple customer designated locations and specified Telephone Company Central Offices (COs) via self healing network designs. A sub-ring is a lower speed ring made up of two or more sub-ring Nodes operating off the higher speed main ring. Dedicated Ring will provide 50 millisecond protection switching after fault detection to assure 100 percent availability of the services on the ring. Dedicated Ring is provided where appropriate SONET facilities are available. Where facilities are not available, Special Construction may apply.

Dedicated Ring is an alternative to OC-3/3c, OC-12/12c, OC-48/48c service between multiple customer locations. Rate elements include nodes, ports, mileage between nodes, regenerators, Optical to Electrical DS1 add/drop capability and Optical OC-48 add/drop capability. Rates are specified in 7.5.11 following.

Existing customers with point-to-point OC-3/3c, OC-12/12c and OC-48/48c may upgrade to Dedicated Ring without termination liability.

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

Customers may choose to accept a ring without diversity (i.e., no dual entrance), or prior to the cable diversity being available. In this situation (i.e., temporary or permanent unprotected Dedicated Ring Service), effective for new customers after (12/27/03), the customer may accept the ring without diversity. Credits for the unprotected portion of the ring will not apply until diversity is implemented on the ring.

(C)
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(C)

(This page filed under Transmittal No. 1376)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(T)

(B) Dedicated Ring Configuration

(1) Nodes

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

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

When a customer premises node is located in the same building as a CO node, diversity between the two nodes may not be 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 7.5.11 following. This option does not provide diversity between these two collocated nodes and the rest of the ring.

If a customer has one or more additional OC-48 Dedicated Rings within a LATA, the Customer Premises Node, Central Office Node and the OC-48 Add/Drop Capability rate elements utilized on the additional OC-48 Dedicated Ring(s) and co-located with like primary OC-48 Dedicated Ring rate elements as described below will be billed as "Plus" as shown in 7.5.11 following. All existing requirements associated with Ameritech Dedicated Ring Service apply to additional rings. The eligibility requirements for the "Plus" rates are as follows:

The primary dedicated ring is defined as the dedicated ring with the earliest installation date. If the primary dedicated ring is terminated by the customer and the customer still has two or more dedicated rings, the remaining dedicated ring with the earliest installation date will be designated as the new primary dedicated ring. If there are any additional dedicated rings, the nodes and add/drop capability that are common with the new primary dedicated ring will be billed as "Plus" nodes and "Plus" add/drop capability.

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(T)

(B) Dedicated Ring Configuration (Cont'd)

(1) Nodes (Cont'd)

If the primary OC-48 Dedicated Ring has either two or three nodes, then at least two nodes (excluding sub-ring nodes) with separate addresses must be common between the primary OC-48 Dedicated Ring and the additional OC-48 Dedicated Ring(s). At least one of the common nodes must be a customer premises node and at least one of the nodes must be a central office node.

If the primary OC-48 Dedicated Ring has four or more nodes, then at least three nodes (excluding sub-ring nodes) with separate addresses must be common between the primary OC-48 Dedicated Ring and the additional OC-48 Dedicated Ring(s). At least one of the common nodes must be a customer premises node and at least one of the nodes must be a central office node.

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

(a) Direct Drop Node

An optional Direct Drop Node (DDN) is available on an OC-12 dedicated ring. This Node has direct add/drop capability not to exceed 3 DS3s or its equivalent.

(T)

The remaining bandwidth of the OC-12 ring continues on through the Node to another drop point on the ring. Use of the Direct Drop Node allows customers to drop DS1s directly from the Node without the need for the Optical to Electrical DS1 Add/Drop Capability option.

OC-12 nodes and OC-12 DDNs may be used together in making up an OC-12 dedicated ring. A DS1 that enters the ring via a port on a Direct Drop Node must also exit via a port on another Direct Drop Node (DDN on - DDN off). A DS3 that enters the ring via a port on a Direct Drop Node may exit via a port on either a Direct Drop Node or OC-12 node. Direct Drop Node is not available in a two-node ring configuration.

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(T)

(B) Dedicated Ring Configuration (Cont'd)

(1) Nodes (Cont'd)

(b) Sub-Ring Node

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

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

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

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

OC-3 sub-rings and OC-12 DDNs may not be combined on an OC-12 main ring. OC-12 sub-rings and OC-12 DDNs may be combined on a sub-ring connected to an OC-48 main ring.

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

A sub-ring node which is co-located with a main ring node at the customers premises (for the same dedicated ring) will be billed as an "Additional Node" per 7.5.11 (A) following.

A sub-ring is not available with a two-node main ring configuration.

A sub-ring node is not available with OC-192.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.11 Ameritech OC-3, Ameritech OC-12, Ameritech OC-48 and Ameritech OC-192
Dedicated Ring (Cont'd) (T)

(B) Dedicated Ring Configuration (Cont'd)

(1) Nodes (Cont'd)

(c) Re-Map Node

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

Re-Map is not available with OC-192.

(2) Add/Drop Capability

(a) OC-48 Add/Drop Capability

This provides the capability to add/drop lower speed channels from an OC-48 Dedicated Ring node location via OC-12, OC-3, DS3 or Ethernet ports. OC-48 Add/Drop Capability at an OC-48 Dedicated Ring Service node location will support one quarter of the port capability of OC-48 ring bandwidth. Up to four OC-48 Add/Drop Capability options may be provided at a node with each option supporting one OC-12 port, up to four OC-3 ports, up to twelve DS3 ports, or equivalent combination of OC-3 and DS3 ports, or up to twelve 100 Mbps (STS-1) Ethernet ports or up to four 100 Mbps (STS-3c) Ethernet ports or up to eight 1 Gbps (STS-1) Ethernet ports or up to four 1 Gbps (STS-3c) ports or one 1 Gbps (STS-12c) Ethernet port. (T)

OC-48 Add/Drop Capability associated with OC-48 Dedicated Ring nodes that qualify as "Plus" nodes as defined in 7.2.11(B)(1) preceding will be billed as "Plus" as shown in 7.5.11 following. (T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.11 OC-3, OC-12, OC-48 and OC-192 Dedicated Ring (Cont'd) (T)

(B) Dedicated Ring Configuration (Cont'd)

(2) Add/Drop Capability (Cont'd)

(b) OC-192 Add/Drop Capability

This provides the capability to add/drop lower speed channels from an OC-192 Dedicated Ring node location via OC-48, OC-48c, OC-12, OC-12c, OC-3, OC-3c, DS3, or Ethernet ports. OC-192 Add/Drop Capability at an OC-192 Dedicated Ring Service node location will support up to four OC-48 or OC-48c ports, or up to sixteen OC-12 or OC-12c ports, or up to sixty four OC-3 or OC-3c ports, or up to 192 DS3 ports or various combinations not to exceed 192 STS-1 equivalents, or up to forty-eight 100 Mbps (STS-1) Ethernet ports or up to sixteen 100 Mbps (STS-3c) Ethernet ports or up to thirty-two 1 Gbps (STS-1) Ethernet ports or up to sixteen 1 Gbps (STS-3c) Ethernet ports or up to two 1 Gbps (STS-12c) ports or up to two 1 Gbps (STS-24c) ports. (T)

(3) Ports

The type of ports available on the family of rings is DS3, OC-3, OC-3c, OC-12, OC-12c, OC-48, OC-48c, 100 Mbps (STS-1) Ethernet, 100 Mbps (STS-3c) Ethernet, 1 Gbps (STS-1) Ethernet, 1 Gbps (STS-3c) Ethernet, 1 Gbps (STS-12c) Ethernet and 1 Gbps (STS-24c) Ethernet. The associated family of riding services are Point-to-Point OC-3, OC-3c, OC-12, OC-12c, OC-48 and OC-48c. (Ethernet ports are not yet available with Point-to-Point services).

Ethernet over SONET (EoS) allows the efficient transport of ethernet frames using SONET. Ethernet ports will be available in bandwidths up to the ethernet interface of 100 Mbps or 1 Gbps on Dedicated Ring Services as set forth in respective tariffs. As SONET bandwidths will be preset, the customer will be unable to transmit data (including any bursts) beyond these preset SONET bandwidths. Interfaces of 100 Mbps Ethernet or 1 Gbps Ethernet are available only to customers with Next Generation SONET equipment.

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(B) Dedicated Ring Configuration (Cont'd)

(3) Ports

Accepted interfaces are as follows:

	OC-3 Node	OC-12 Node	OC-48 Node	OC-192 Node
DS1 Ports	x (Max. 84/Node)	x (Max. 84/OC-3 or OC-3c Ports) ⁽¹⁾	x (Max. 84/OC-3 or OC-3c Ports) ⁽¹⁾	N/A
DS3 Ports	x (Max. 3/Node)	x (Max. 12/Node)	x (Max. 48/Node)	x (Max. 192/Node)
OC-3, OC-3c Ports ⁽²⁾	N/A	x (Max 4/Node)	x (Max 16/Node)	64
OC-12, OC-12c Ports ⁽²⁾	N/A	N/A	x (Max 4/Node)	16
OC-48, OC-48c Ports ⁽²⁾	N/A	N/A	N/A	4
100 Mbps (STS-1) Ethernet Ports	3	12	48	48
100 Mbps (STS-3c) Ethernet Ports	N/A	4	16	16
1Gbps (STS-1) Ethernet Ports	N/A	12	32	32
1Gbps (STS-3c) Ethernet Ports	N/A	4	16	16
1Gbps (STS-12c) Ethernet Ports	N/A	N/A	4	2
1Gbps (STS- 24c) Ethernet Ports	N/A	N/A	2	2

By using the existing OC-3 or OC-3c, OC-12 or OC-12c or OC-48 or OC-48c Service and cross-connection capability, OC-3 or OC-3c point-to-point service may connect to an OC-3 or OC-3c port of an OC-12, OC-48 or OC-192 ring. OC-12 or OC-12c point-to-point service may connect to an OC-12 or OC-12c port of an OC-48, OC-192 ring, or OC-48. OC-48 or OC-48c point-to-point service may connect to an OC-48 or OC-48c port of an OC-192 ring located in a Company CO.

(D)
(D)
(D)

As described in Section 7.2.10 for OC-3, OC-3c Service, an OC-3 port will permit the connection of STS-1 channels to other STS-1 channels across the OC-12, OC-48 or OC-192 Dedicated Ring Service subject to the overall ring capacity limits described in (6) following. Also an STS-1 channel with DS1 payload mapping accessing an OC-12 Dedicated Ring using an OC-3 port may be connected to the Optical to Electrical DS1 add/drop capability for the purpose of connecting up to 28 DS1 ports. An STS-1 channel with DS3 payload mapping accessing the OC-12 or OC-48 Dedicated Ring using an OC-3 port may individually connect to a DS3 port.

- (1) Optical to Electrical DS1 Add/Drop Capability as described in 7.2.11 (B) (5) is needed along with an OC-3 port unless the customer has chosen an OC-12 DDN.
- (2) OC-3 and OC-3c ports support both OC-3 and OC-3c bandwidths. OC-12 and OC-12c ports support both OC-12 and OC-12c bandwidths. OC-48 and OC-48c ports support both OC-48 and OC-48c bandwidths.

(This page filed under Transmittal No. 1373)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(T)

(B) Dedicated Ring Configuration (Cont'd)

(3) Ports (cont'd)

DS1 ports, DS3 ports and STS-1 channels within OC-3 ports may not connect to any other ports within the same node. All other port-to-port connections are allowable except for DS3 port to DS1 port connections. If a DS3 to DS1 connection is required, it may be accomplished by the customer's CPE or through the current multiplexing environment of DS3 and DS1 Services described in Section 7.2.9.

(T)

When a customer orders a Re-Map node, a minimum number of Re-Map ports must be equipped;

- OC-3 28 DS1 Re-Map ports, or 1 DS3 Re-Map port
- OC-12 28 DS1 Re-Map ports, or 3 DS3 Re-Map ports, or 1 OC-3 or OC-3c Re-Map port
- OC-48 28 DS1 Re-Map ports, or 3 DS3 Re-Map ports, or 1 OC-3 or OC-3c Re-Map port, or 1 OC-12 Re-Map port

Re-Map node ports must be ordered in incremental blocks as described below:

	Port Type			
	DS1	DS3	OC-3 or OC-3c	OC-12 or OC-12c
OC-3 Ring	28, 56 or 84 (multiples of 28)	1, 2, or 3	N/A	N/A
OC-12 Ring	28, 56 or 84 (multiples of 28)	3, 6, 9, or 12	1, 2, 3, or 4	N/A
OC-48 Ring	28, 56 or 84 (multiples of 28)	3, 6, 9... or 48	1, 2, 3... or 16	1, 2, 3 or 4

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

When utilizing an OC-12 Direct Drop Node for provisioning a re-map node, either 28 DS1 Re-Map ports or 1 DS3 Re-Map port will be the minimum required.

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(T)

(B) Dedicated Ring Configuration (Cont'd)

(4) Mileage

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

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

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

(5) Optical-to-Electrical Add/Drop Capability

- (a) Optical-to-Electrical DS1 allows an electrical DS1 to be derived from an optical OC-12 or OC-48 ring by using this capability to add/drop the electrical DS1 from an OC-3.
- (b) Optical-to-Electrical DS3 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 on 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 (1). Customers requiring multiplexing at a Customer Premises Node must provide this functionality, and it must be compatible with Telephone Company equipment.

(1) Central Office Multiplexing- DS3 to DS1 multiplexing provides an arrangement in a Telephone Company Hub Central Office that converts a DS3 signal to 28 DS1 channels using digital time division multiplexing. When ordering multiplexing, the customer will select the designated hub(s) and subtending wire center(s) from the National Exchange Carriers Association, Inc. Tariff F.C.C. No. 4 Subtending Wire Center section(s) and Wire Center Section(s). A description of the types of multiplexing hubs are as set forth in 7.1.3 (B)(3) (Interexchange Multiplexing Hub), 7.1.3(B)(5) (Terminus Multiplexing Hub) preceding.

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.11 OC-3, OC-12, OC-48 and OC-192 Dedicated Ring (Cont'd) (T)

(B) Dedicated Ring Configuration (Cont'd)

(6) Dedicated Ring Regenerator

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

(7) Dedicated Ring Connection Capacity

Maximum transport capacity of OC-3, OC-12, OC-48 and OC-192 Dedicated Ring Service is characterized by the total quantity of individual port-to-port connections allowed between all nodes on the ring. (T)

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

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

An OC-3 Sub-ring provided as part of OC-12 or OC-48 Dedicated Ring Service has a maximum capacity equal to one of the above combinations. (T)

For OC-3 Dedicated Ring Service and OC-3 Sub-rings as part of OC-12 or OC-48 Dedicated Ring Service, individual DS1 port-to-DS1 port and DS3 port-to-DS3 port connections capacities may be incrementally distributed between nodes on the ring in any manner. (T)

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(T)

(B) Dedicated Ring Configuration (Cont'd)

(7) Dedicated Ring Connection Capacity (Cont'd)

For OC-12 Dedicated Ring Service, the maximum ring capacity will be equal to one of the following combinations:

(T)

DS3 Port to DS3 Port Connections	and	DS1 Port to DS1 Port Connections
Twelve	and	None
Eleven	and	One Group of 28
Ten	and	Two Groups of 28 (56)
Nine	and	Three Groups of 28 (84)
Eight	and	Four Groups of 28 (112)
Seven	and	Five Groups of 28 (140)

Six	and	Six Groups of 28 (168)
Five	and	Seven Groups of 28 (196)
Four	and	Eight Groups of 28 (224)
Three	and	Nine Groups of 28 (252)
Two	and	Ten Groups of 28 (280)
One	and	Eleven Groups of 28 (308)
None	and	Twelve Groups of 28 (336)

(T)

An OC-12 Sub-ring provided as part of OC-48 Dedicated Ring Service has a maximum capacity equal to one of the above combinations.

(T)

For OC-12 Dedicated Ring Service and OC-12 Sub-rings as part of OC-48 Dedicated Ring Service, individual DS1 port-to-DS1 port connection capacities may be distributed only in incremental groups of 28 between any two nodes on the ring. Individual DS3 port-to-DS3 port connection capacities may be incrementally distributed between nodes on the ring in any manner.

(T)

For OC-12 Dedicated Ring Service using OC-12 Direct Drop Nodes, the maximum ring capacity will be up to 84 DS1 port-to-port connections, together with up to 9 DS3 port-to-port connections, or equivalent. Individual DS1 port-to-port connections up to a total of 84 may be incrementally distributed between OC-12 Direct Drop Nodes on the ring in any manner.

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.11 OC-3, OC-12, OC-48 and OC-192 Dedicated Ring (Cont'd) (T)

(B) Dedicated Ring Configuration (Cont'd)

(7) Dedicated Ring Connection Capacity (Cont'd)

OC-12 Dedicated Ring Service will also provide capability for node-to-node connection of STS-1 or STS-3C channels using OC-3 or OC-3c ports on the OC-12 ring. Each STS-1 to STS-1 channel connection or STS-1 channel to DS3 port connection requested by the customer will reduce the remaining ring capacity by the equivalent of one DS3 port-to-DS3 port connection or 28 DS1 port-to-DS1 port connections. Each STS-3C to STS-3C channel connection requested by the customer will reduce the remaining ring capacity by the equivalent of three DS3 port-to-DS3 port connections or 84 DS1 port-to-DS1 port connections. (T)

An OC-3 Sub-ring provided as part of an OC-12 Dedicated Ring Service reduces the remaining OC-12 ring capacity by the equivalent of three DS3 port-to-DS3 port connections or 84 DS1 port-to-DS1 port connections.

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(T)

(B) Dedicated Ring Configuration (Cont'd)

(7) Dedicated Ring Connection Capacity (Cont'd)

For OC-48 Dedicated Ring Service, the maximum ring capacity will be equal to one of the following combinations:

(T)

DS3 Port-to-DS3 Port Connections	DS1 Port-to-DS1 Port Connections	DS3 Port-to-DS3 Port Connections	DS1 Port-to-DS1 Port Connections
Forty-eight	and None	Forty-one	and Seven Groups of 28 (196)
Forty-seven	and One Group of 28	Forty	and Eight Groups of 28 (224)
Forty-six	and Two Groups of 28 (56)	Thirty-nine	and Nine Groups of 28 (252)
Forty-five	and Three Groups of 28 (84)	Thirty-eight	and Ten Groups of 28 (280)
Forty-four	and Four Groups of 28 (112)	Thirty-seven	and Eleven Groups of 28 (308)
Forty-three	and Five Groups of 28 (140)	Thirty-six	and Twelve Groups of 28 (336)
Forty-two	and Six Groups of 28 (168)	Continuing down the scale to: None	and Forty-eight Groups of 28 (1344)

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(B) Dedicated Ring Configuration (Cont'd)

(7) Dedicated Ring Connection Capacity (Cont'd)

For OC-48 Dedicated Ring Service, individual DS1 port-to-DS1 port connection capacities may be distributed only in incremental groups of 28 between any two nodes on the ring. Individual DS3 port-to-DS3 port connection capacities may be incrementally distributed between nodes on the ring in any manner.

OC-48 Dedicated Ring Service also provides capability for node-to-node connection of STS-1 or STS-3C channels using OC-3, OC-3c, OC-12 or OC-12c ports on the OC-48 ring. Each STS-1 to STS-1 channel connection or STS-1 channel to DS3 port connection requested by the customer reduces the remaining ring capacity by the equivalent of one DS3 port-to-port connection or 28 DS1 port-to-port connections. Each STS-3C to STS-3C channel connection requested by the customer reduces the remaining ring capacity by the equivalent of three DS3 port-to-DS3 port connections or 84 DS1 port-to-port connections.

An OC-3 Sub-ring provided as part of OC-48 Dedicated Ring Service reduces the remaining OC-48 ring capacity by the equivalent of three DS3 port-to-DS3 port connections or 84 DS1 port-to-DS1 port connections.

OC-48 Dedicated Ring Service also provides capability for node-to-node connections of STS-12C channels using OC-12 or OC-12c ports on the OC-48 ring. Each STS-12C to STS-12C channel connection requested by the customer reduces the remaining ring capacity by the equivalent of twelve DS3 port-to-DS3 port connections or 336 DS1-to-DS1 port connections.

An OC-12 Sub-ring provided as part of OC-48 Dedicated Ring Service reduces the remaining OC-48 ring capacity by the equivalent of twelve DS3 port-to-DS3 port connections or 336 DS1 port-to-DS1 port connections.

(T)

(This page filed under Transmittal No. 1373)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.11 OC-3, OC-12, OC-48 and OC-192 Dedicated Ring (Cont'd) (T)

(B) Dedicated Ring Configuration (Cont'd)

(7) Dedicated Ring Connection Capacity (Cont'd)

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

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

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

OC-192 Dedicated Ring Service will also provide capability for node-to-node connections of STS-48C channels using OC-48c ports on the OC-192 ring. (T)

Unprotected services may be interrupted to repair other circuits. In cases where the customer orders OC-192 Dedicated Ring Service with an unprotected 2-fiber service interface, the Telephone Company 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 Telephone Company 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 7.2.11(A)(1), previously.

x Issued under authority of Special Permission No. 00-0120 of the F.C.C. in order to withdraw the material filed under Transmittal No. 1257 without becoming effective.

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

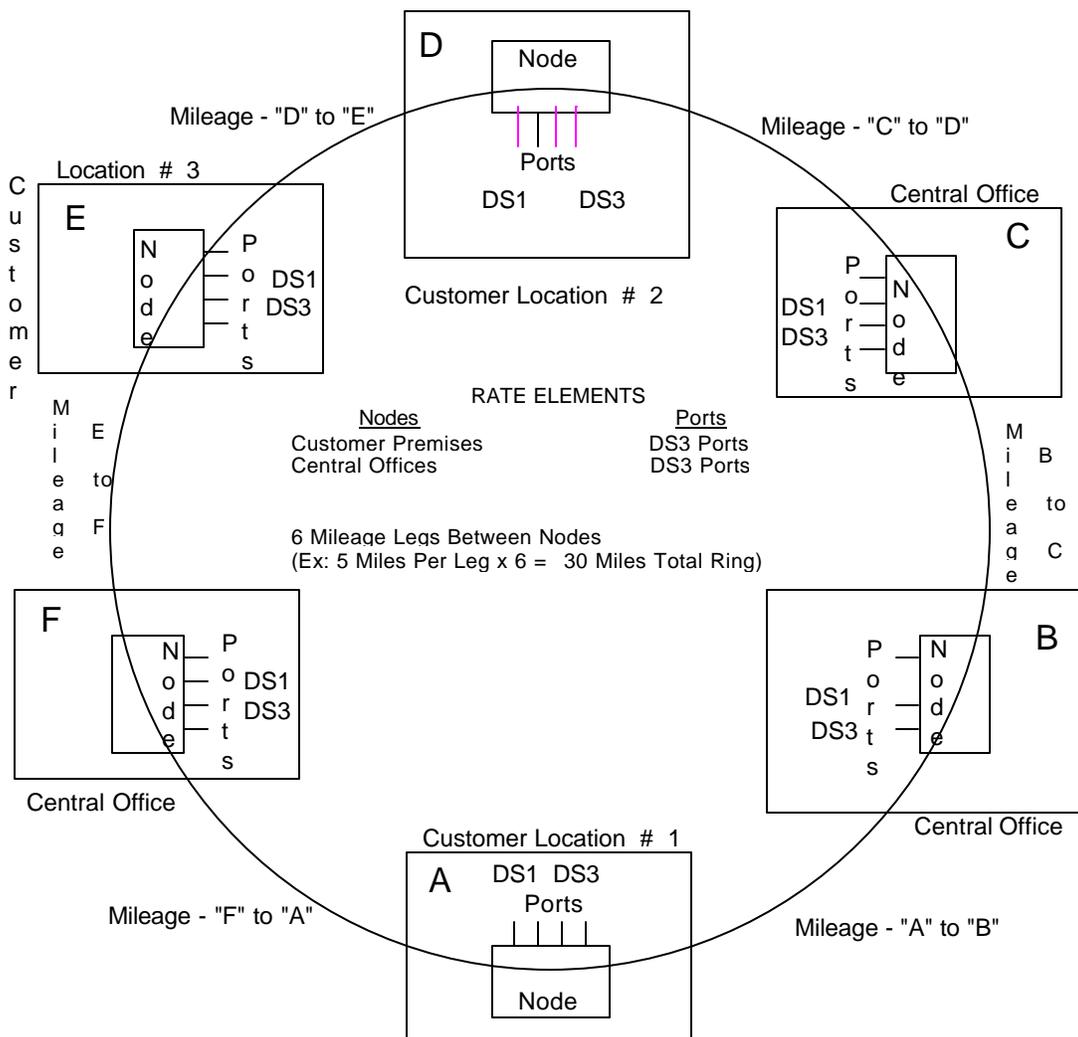
(T)

(B) Dedicated Ring Configuration (Cont'd)

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

OC-3 Dedicated Ring Service

(T)



(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

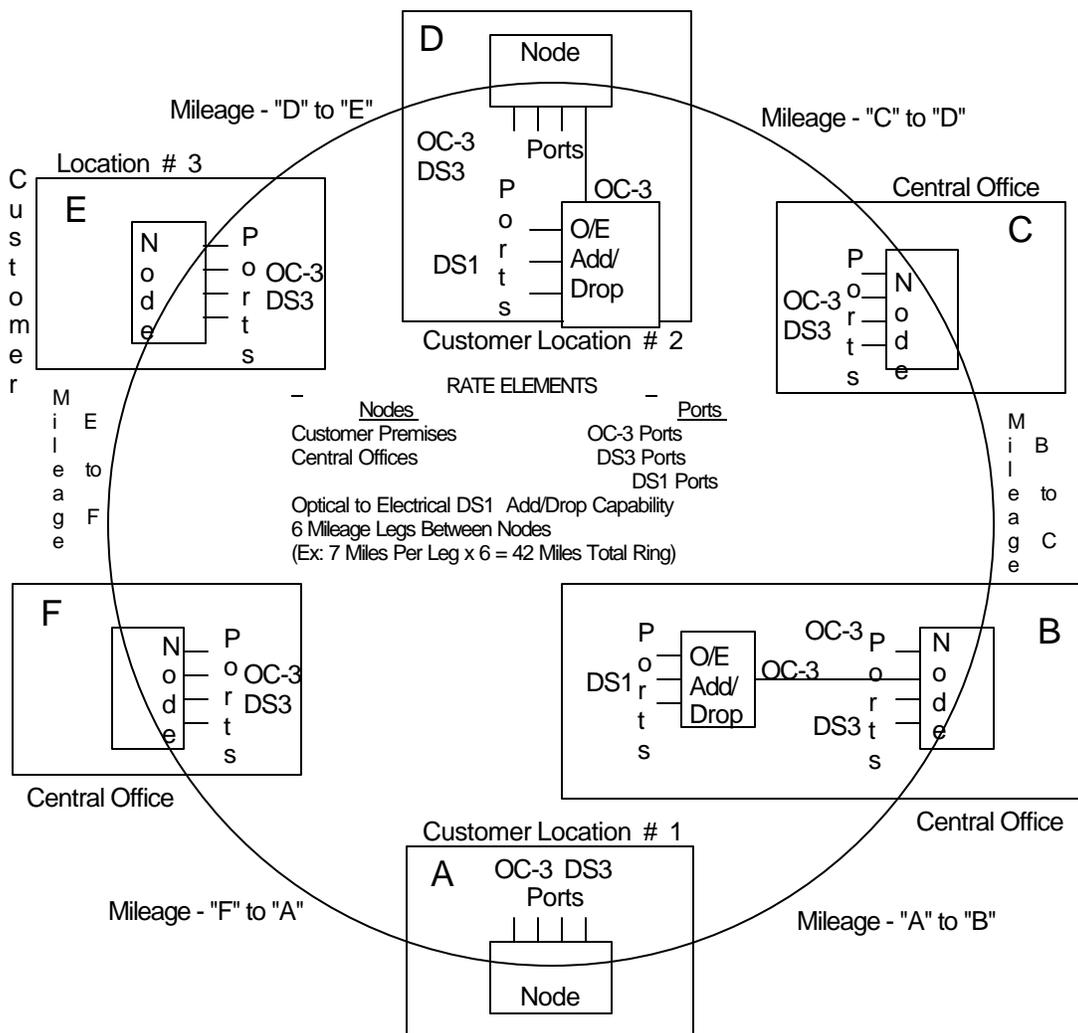
(T)

(B) Dedicated Ring Configuration (Cont'd)

(8) Diagram OC-3, OC-12 and OC-48 Ring (Cont'd)

OC-12 Dedicated Ring Service

(T)



(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

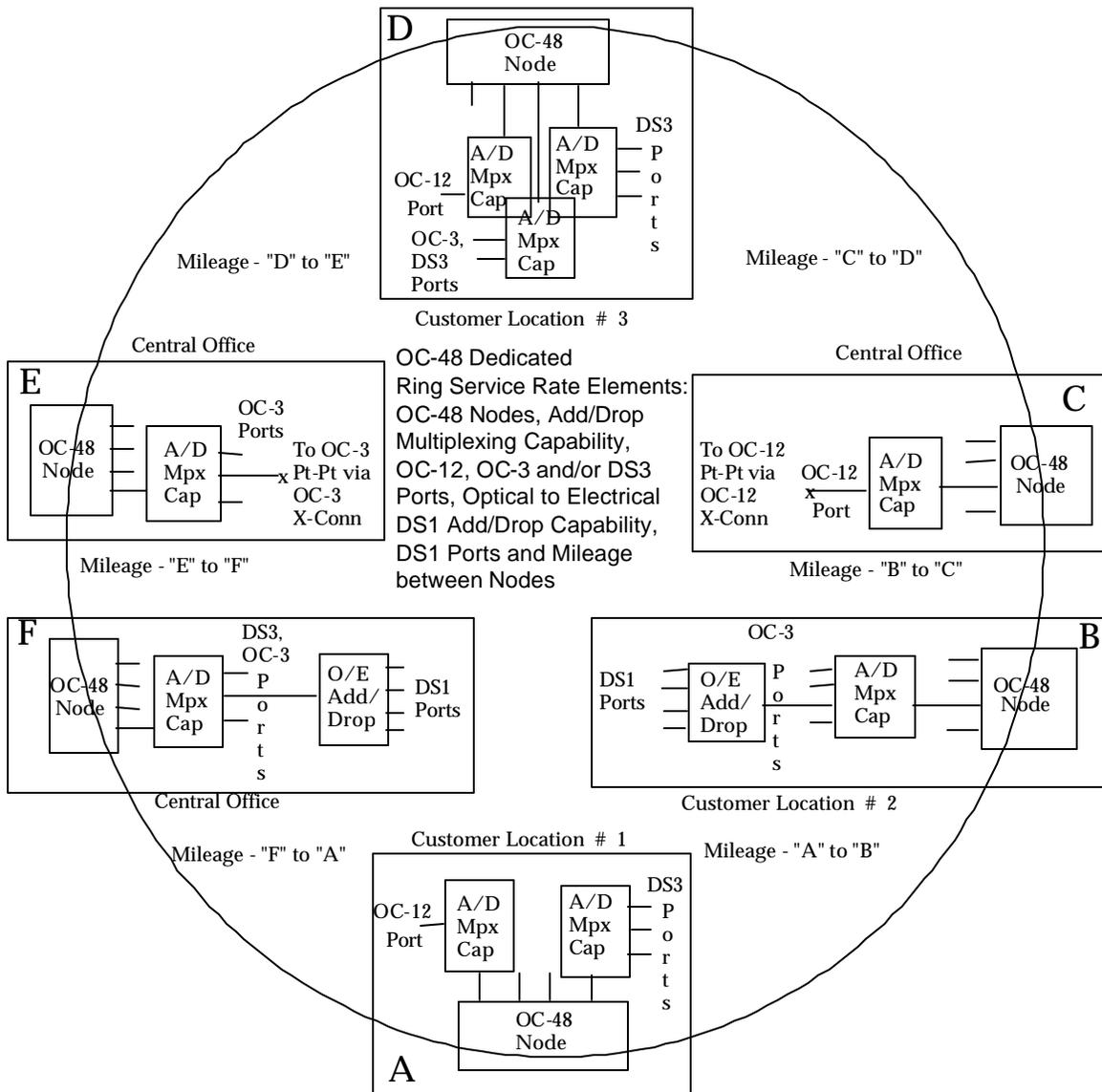
(T)

(B) Dedicated Ring Configuration (Cont'd)

(8) Diagram OC-3, OC12 and OC-48 Ring (Cont'd)

OC-48 Dedicated Ring Service

(T)



(T)

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

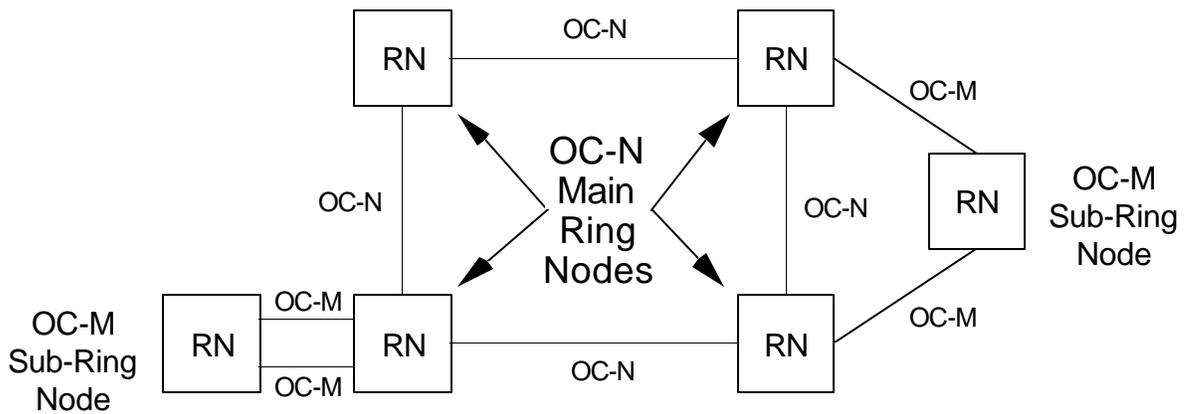
7.2.11 OC-3, OC-12, OC-48 and OC-192 Dedicated Ring (Cont'd)

(T)

(B) Dedicated Ring Configuration (Cont'd)

(8) Diagram OC-3, OC-12 and OC-48 Ring (Cont'd)

Ameritech Sub-Ring Nodes



Ameritech Sub-Ring Nodes, OC-M < OC-N

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.11 OC-3, OC-12, OC-48 and OC-192

(T)

(B) Dedicated Ring Configuration (Cont'd)

(9) Dedicated Ring Configuration

Dedicated Rings are available for either 36 month or 60 month periods. Monthly recurring charges apply for the nodes, ports and mileage between nodes. If a node is added after the initial installation of the dedicated ring, the new node will carry the same OPP rate as the initial ring and be co-terminus with that OPP. However, if a node is added during the last 12 months or less of an OPP, the customer will be billed the initial OPP ring rate for a minimum period of 12 months. Once an OPP term has expired, the customer's service will convert to the Monthly Extension rate until the customer cancels or renews the service with a new OPP term. To renew the service, the customer must provide the Telephone Company with a written notice of intent to renew the OPP no later than 60 days prior to its expiration. Monthly Extension Rates are not available to new subscriptions. The OPP prepayment option is not available with this service. The OPP prepayment option is not available with this service.

Effective September 5, 2003, new orders for Dedicated Ring Service with the EoS enhancement will be served by different equipment than the equipment used for customers who placed Dedicated Ring Service orders that were completed prior to September 5, 2003. Customers subscribing to Dedicated Ring Service prior to September 5, 2003 requesting to be changed to the new equipment will incur termination liability charges for their existing service. Disconnect of the existing Dedicated Ring Service and placement of an order for new Dedicated 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) are installed.

For service purchased prior to August 4, 2000, Termination Liability charges will apply for the Node only as described below by paying a percentage of the monthly charges for the remainder of the term as indicated below:

OPP Terms in Months	Termination Percentage
36	75
60	60

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(T)

(B) Dedicated Ring Configuration (Cont'd)

(9) Dedicated Ring Configuration (Cont'd)

If a customer cancels a service order or terminates services before the completion of the term for any reason whatsoever other than a service interruption, the customer agrees to pay to the Telephone Company 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) 50% of all recurring charges for the balance of the customer's term.

Logical Changes in the ring (change in mapping content) are not considered to be a dedicated ring termination, however, any physical change would be considered a termination and all appropriate termination liability would apply.

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(T)

(B) Dedicated Ring Configuration (Cont'd)

(10) Shared Network Arrangement

A Shared Network Arrangement is a service offering that enables a customer ("Service User") to connect subtending services to an OC-3, OC-12, OC-48 or OC-192 Dedicated Ring service of another customer (the "Host Subscriber"), with the Telephone Company 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 Dedicated 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 configuration where a Service User orders a subtending service dropped from a Host subscriber's Dedicated Ring wire center node.

(T)
(T)

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(B) Dedicated Ring Configuration (Cont'd)

(10) Shared Network Arrangement (Cont'd)

Under the Shared Network Arrangement, the Telephone Company 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 Telephone Company and is necessary to perform billing reconciliation and/or other functions required in connection with maintaining account records.

Section 7.4.12 contains rate regulations specific to Shared Network Arrangements.

(11) Re-Map Service

Re-Map Service is provided in conjunction with an Ameritech Dedicated Ring Service and allows for a pre-defined set of services to be rerouted by Ameritech from one customer premises node to another customer premises node (defined as a "Re-Map node") in the event of a customer premises disaster. Re-Map Service will be tested at initial installation and once each year thereafter. Additional testing can be requested and will be charged on a per test basis. Activation upon customer request in the event of an emergency will be charged on a per occurrence basis.

Once the customer notifies Ameritech that they are ready to receive signals at the re-map node site, Ameritech will re-map up to 50 circuits within the initial hours and 20 circuits every hour thereafter. The Emergency Activation Nonrecurring Charge will not be applied if the first 50 circuits are not remapped within 4 hours due to an Ameritech caused delay. (T)
(T)

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

The emergency Re-Map activation configuration will be maintained for up to 30 days. After 30 days, if the customer wishes to maintain the emergency configuration, the emergency activation NRC will be applied once for each 30 day additional period.

Re-Map is not available with OC-192.

(This page filed under Transmittal No. 1373)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(T)

(B) Dedicated Ring Configuration (Cont'd)

(12) Upgrade to OC-192 Ring Service from lower speed services

Customers with three or five year OPPs may at any time upgrade from OC-48 to OC-192 Dedicated SONET Ring Service without incurring the Termination Liability charge, 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 Optional Payment Plan period;
- No lapse in service occurs;
- Nonrecurring Charges will apply, when applicable;
- The monthly rates for the new service(s) will be those rates in effect at the time the new service(s) is/are installed;
- The new service is provided between the same customer locations and with the same customer of record as the disconnected service;
- 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 the conversion; and
- Spare facilities and equipment must be available or a nonrecurring upfront payment, which is a Special Construction Charge, may apply.

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(B) Dedicated Ring Configuration (Cont'd)

(13)* Upgrade to Next Generation SONET equipment (required for Ethernet ports) (C)

Customers with three or five-year OPPs may at any time upgrade to Next Generation equipment without incurring Termination Liability charge, providing the following criteria are met:

- The customer subscribes to a Term Plan period that is equal to, or greater than thirty-six months;
- The expiration date for the new Term Plan period is beyond the end of the original Optional Payment Plan period;
- No lapse in service occurs;
- Nonrecurring charges will apply, when applicable;
- The monthly rates for the new service(s) will be those rates in effect at the time the new service(s) is/are installed;
- The new service is provided between the same customer locations and with the same customer of record as the disconnected service;
- 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.

* This option is limited to existing customers at existing locations purchased between September 5, 2003 and March 12, 2004.

(N)
(N)

(This page filed under Transmittal No. 1386)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

(B) Dedicated Ring Configuration (Cont'd)

- (14) Upgrade to a higher speed Dedicated Ring with Next Generation SONET equipment (required for Ethernet ports)

(N)

Customers with three or five-year OPPs may at any time upgrade to a higher speed Dedicated Ring with Next Generation equipment without incurring Termination Liability charge, providing the following criteria are met:

- The customer subscribes to a Term Plan period that is equal to, or greater than thirty-six months;
- The expiration date for the new Term Plan period is beyond the end of the original Optional Payment Plan period;
- No lapse in service occurs;
- Nonrecurring charges will apply, when applicable;
- The monthly rates for the new service(s) will be those rates in effect at the time the new service(s) is/are installed;
- The new service is provided between the same customer locations and with the same customer of record as the disconnected service;
- 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.

(N)

Certain material previously appearing on this page now appears on Original Page 274.7.4

(This page filed under Transmittal No. 1386)

ACCESS SERVICE

7. Special Access Service (Cont'd)

(N)

7.2 Service Description (Cont'd)

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

(B) Dedicated Ring Configuration (Cont'd)

(N)

(15) Renewal Options

(T)

Current OC-3, OC-12, OC-48, and OC-192 Dedicated Ring customers have the option to extend their 36 month or 60 month OPP Rates. Customers may extend their existing term as noted:

(M)

- 36 month terms may be extended for an additional 24 month renewal term commitment at 36 month rates
- 60 month terms may be extended for an additional 36 month renewal term commitment at 60 month rates

Customers must initiate a request for one of these Renewal options. After the first renewal term commitment is completed under these Renewal Options, rates will convert to monthly extension rates unless a 36 month or 60 month OPP is purchased.

Qualification for these Renewal Options include eligible services meeting either of the requirements below:

- (1) Services that have expired and are currently on monthly extension rates
- (2) Services under Promotional Offering Tariff F.C.C. No. 2, 17.2(11).

Customers currently on monthly extension rates are not eligible for retroactive treatment under these Renewal Options.

Termination Liability charges as contained in Section 7.2.11 will apply.

(M)

Certain material appearing on this page previously appeared on Original Page 274.7.3.

(This page filed under Transmittal No. 1386)

ACCESS SERVICE**7. Special Access Service (Cont'd)****7.2 Service Descriptions (Cont'd)****7.2.12 SONET Xpress Service****A. Basic Service Description**

SONET Xpress service is a shared ring service which provides high performance and reliability parameters with the level of survivability designed to limit a single event from interrupting service. It provides route, central office equipment, and signal payload protection for point-to-point DS1 and DS3 channels provisioned on the shared ring. No additional optional features are required for this level of protection. It provides flat rate transport across the network of DS1, DS3, OC-3 and OC-12 (VT1.5 and STS-1) channels. SONET Xpress utilizes SONET facilities and is available only in buildings and wire centers (SONET Xpress Network) where the Telephone Company has established shared rings.

For locations where SONET Xpress is not yet available Special Construction charges may apply. Expansion of service areas by means of Special Construction will only be allowed in designated areas consistent with the Telephone Company's construction program. The construction program is anticipated to include Chicago, Illinois; Detroit, Michigan; Columbus, Ohio; Cleveland, Ohio; Indianapolis, Indiana and Milwaukee, Wisconsin, to be completed by approximately the year 2005. SONET Xpress service areas are designated in National Exchange Carrier Association Tariff F.C.C. No. 4.

SONET Xpress service must be specifically ordered even if a customer premises or serving wire center is located in the designated SONET Xpress serving area.

SONET Xpress will provide 50 millisecond protection switching to assure 100 percent availability of the end to end services within the network. When a customer's end to end service utilizes both the SONET Xpress network and non SONET Xpress network, the non SONET Xpress network portion will have the appropriate service guarantees as specified in Section 2.4.4 preceding.

SONET Xpress Service is excluded from any application of Shared Use provisions as described in 7.4.9 following.

B. Channel Configuration**(1) Network Access Connection (NAC)**

The Network Access Connection provides SONET based access to the SONET Xpress shared transport network. NACs are available with:

- A) Electrical 1.544 Mbps (DS1) interface
- B) Electrical 44.736 Mbps (DS3) interface
- C) Optical 622.08 Mbps (OC-12) interface

The NAC is applicable when the customer's premises is located in a building on the SONET Xpress network.

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ACCESS SERVICE**7. Special Access Service (Cont'd)****7.2 Service Descriptions (Cont'd)****7.2.12 SONET Xpress Service (Cont'd)****(B) Channel Configuration (Cont'd)****(1) Network Access Connection (NAC) (Cont'd)**

The optical NAC interface provides 1+1 protection at the customer's premises and is available in two versions, one with lower level signals (DS1/VT1.5) sorted and grouped within an STS-1 signal by the customer and the other with lower level signals neither sorted nor grouped. When the customer chooses to sort and group the lower level signals, and based on the customer's requirements, each signal within the STS-1 group must be routed to:

- a) one of two Telephone Company selected SONET Xpress wire centers, or
- b) any other Telephone Company wire center.

Both versions are available as 622.08 Mbps (OC-12) with:

- a) DS1/VT1.5 or
- b) DS3/STS-1 or
- c) a mix of the DS1/VT1.5 and DS3/STS-1 signals up to 336 DS1/VT1.5 equivalents.

DS3 Payload Multiplexing Function (PMF) as described in 7.2.12(B)(3) below is not available with the DS3/STS-1 signals in the OC-12 NAC.

(2) Off-Network Access Connection (ONAC)

The Off-Network Access Connection provides a SONET based connection to the SONET Xpress shared transport network at a company designated SONET Xpress central office. ONACs are available with electrical 1.544 Mbps (DS1), 44.736 Mbps (DS3) as well as protected optical OC-3 and OC-12 interfaces. The ONAC is applicable when the customer's premises is not located in a building on the SONET Xpress network.

In addition to the ONAC charge, the customer is responsible for the appropriate Local Distribution Channel Charge (and Channel Mileage and Channel Mileage Termination charges, if appropriate) from the customer premises to the ONAC location on the network.

In order to utilize the built in protection on an OC-3 or OC-12 ONAC, the customer must purchase a minimum of the basic 1+1 protection optional feature along with the appropriate Local Distribution Channel. 1+1 protection with Central Office Survivability is not available with SONET Xpress service.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.12 SONET Xpress Service (Cont'd)

(B) Channel Configuration (Cont'd)

(3) DS3 Payload Multiplexing Function (PMF)

DS3 Payload Multiplexing Function provides the capability to multiplex up to 28 DS1 channels or 28 VT 1.5 channels with DS1 payload mapping to or from a specific DS3 channel or an STS-1 channel with DS3 payload mapping at a location determined by the Telephone Company within the SONET Xpress Network. Customers can continue to maintain existing DS1 to DS3 traffic relationships while using SONET Xpress access connections and banded transport. DS1 channels from across the serving area can be assigned to a specific DS3 channel for transport to a customer premises and/or a central office location. This option is only available when a DS1/VT1.5 is mapped or delivered to a DS3/STS-1 channel.

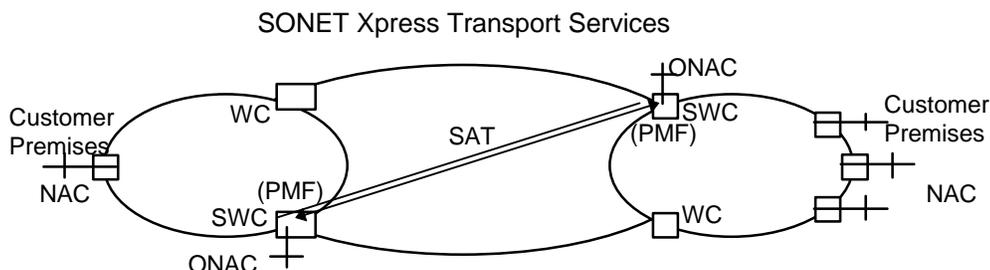
(4) Service Area Transport (SAT)

Service Area Transport provides SONET transport across the SONET Xpress network. The transport is divided into three mileage bands, up to 3 miles, greater than 3 miles up to 10 miles and greater than 10 miles. Transport charges are based on the airline miles between the serving wire center of the NAC and (a), the serving wire center of another NAC or (b), an ONAC location, and/or between two ONAC locations. SAT is available as DS1/VT1.5 point to point, DS3/STS-1 point to point or DS3, OC-3 or OC-12 channelized SAT provided on a per DS1/VT1.5 basis.

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The following is an example of the SONET Xpress rate elements:



NAC = DS1, DS3 or OC-12 Network Access Connection
 ONAC = DS1, DS3, OC-3 or OC-12 Off-Network Access Connection
 SAT = DS1/VT1.5 or DS3/STS-1 Service Area Transport
 PMF = DS3 Payload Multiplexing Function (if applicable)
 SWC = Serving Wire Center
 WC = Wire Center

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Certain material on this page previously appeared on Original 274.9.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.12 SONET Xpress Service (Cont'd)

(B) Channel Configuration (Cont'd)

(5) Shared Network Arrangement

- (a) A Shared Network Arrangement is a service offering that enables a customer ("Service User") to connect subtending services to the multiplexed DS3 NAC, OC-12 NAC, DS3 ONAC, OC-3 ONAC or OC-12 ONAC of another customer (the "Host Subscriber"), with the Telephone Company maintaining separate billing for each. Each customer will be billed for those rate elements associated with its own portion of the service configuration. Under no circumstances will the rates or charges of individual rate elements be split. This offering is limited to service configurations where a Service User obtains either subtending DS1 NAC or DS3 NACs from a Host's Multiplexed DS3 NAC, DS3 ONAC, OC-3 ONAC or OC-12 ONAC.
- (b) Under the Shared Network Arrangement, the Telephone Company 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 Telephone Company and is necessary to perform billing reconciliation and/or other functions required in connection with maintaining account records.
- (c) Section 7.4.12 contains rate regulations specific to Shared Network Arrangements.

(6) Technical Specifications Packages

The technical specifications for SONET Xpress are described in Technical References, AM-TR-NIS-000111 and AM-TR-TMO-000101.

(C) Optional Payment Plan (OPP)

SONET Xpress is available for 12, 24, 36, 48 or 60 month periods as described in Section 7.4.10 following. Monthly recurring charges apply for NAC, ONAC, SAT and PMF, if applicable.

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ACCESS SERVICE

7. Special Access (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.13 Gigabit Ethernet Metropolitan Area Network (GigaMAN[®]) (T)

(A) Basic Channel Description

GigaMAN[®] is a fiber based, point-to-point, gigabit Ethernet service that allows customers to transport data signals between local area networks (LANs). GigaMAN[®] transports data signals at the rate of 1 gigabit per second (Gbps). All basic service configurations provide a single direction of transmission. (T)

The following regulations will apply to GigaMAN[®]: (T)

(1) This service is available to customers in those LATAs served by and within the service territories of Ameritech only. (D)

(2) If existing facilities do not exist Special Construction may apply. (D)

(3) The Telephone Company considers a service interrupted when it becomes unusable to the customer because of a failure of a facility component used to furnish service under this tariff or in the event that the protective controls applied by the Telephone Company result in the complete loss of service by the customer. An interruption period starts when a customer reports an inoperative service to the Telephone Company and the Telephone Company confirms that continuity has been lost, and ends when the service is operative. (T)

(4) Service Provisioning (T)

(a) The customer provided equipment (CPE) must deliver the data signals for GigaMAN[®] transport for the subscribed data service. (T)

(b) GigaMAN[®] provides physical layer transport only. The Telephone Company assumes no responsibility for the through transmission of signals generated by the CPE, for the signals by the CPE, or address signaling to the extent the CPE performs addressing. Error detection and correction of data generated by the CPE are the customer's responsibility. (T)

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ACCESS SERVICE

7. Special Access (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.13 Gigabit Ethernet Metropolitan Area Network (GigaMAN[®]) (Cont'd) (T)

(B) Channel Configuration

There are 7 basic rate elements, which apply to GigaMAN[®] service: (C)

(1) Local Distribution Channel (LDC)

Local Distribution Channel is the termination of GigaMAN[®] at a customer-designated premise (node), as described in Section 7.1.2(A), consisting of the following two elements: (T)
(C)
(C)

- (a) the termination of the fiber optic facilities at each node in the customer's network;
- (b) the fiber optic facility between each node and its serving wire center

(2) Channel Mileage Termination (CMT)

Channel Mileage Termination is the termination of digital transmission facilities (channel mileage) at serving or intermediate wire center(s) associated with two designated premises (nodes), as described in Section 7.1.2(B).

(3) Channel Mileage (CM)

Channel mileage includes the interoffice fiber optic facilities that interconnect customer designated premises (node) serving wire centers and/or intermediate wire centers where Channel Mileage Termination charges apply, as described in Section 7.1.2(C). One channel mileage charge applies per-mile of interoffice transport segments between node serving wire centers, as described in Section 7.4.7.

(4) Repeater

Repeaters (Circuit Regenerators) provide essential detection and retransmission of GigaMAN[®] signals. Repeaters are provided as required by the Telephone Company when actual fiber facility loss between customer designated premises and/or central office locations exceed design limits. Repeaters will be located exclusively in Telephone Company central offices and are required for each successive transport segment of approximately 21.4 db.

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ACCESS SERVICE

7. Special Access (Cont'd)

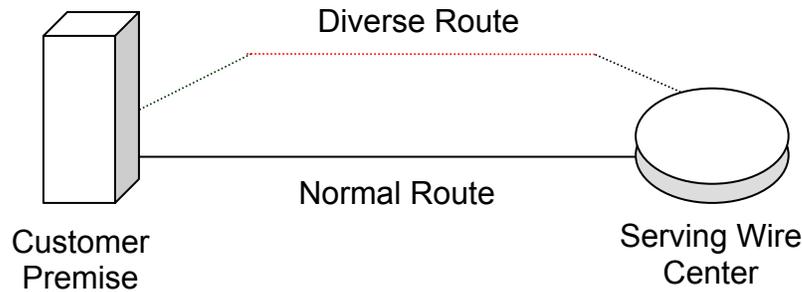
7.2 Service Description (Cont'd)

7.2.13 Gigabit Ethernet Metropolitan Area Network (GigaMAN[®]) (Cont'd)

(B) Channel Configuration (Cont'd)

(5) Local Channel Diversity

Local Channel Diversity provides for a transmission path between a designated customer premises and the standard service wire center (SWC) that is diverse from the normal/standard transmission path. With this arrangement, one or more local distribution channels will be provisioned over the standard route and one or more local distribution channels will be provisioned over the diverse route. Local channel diversity does not provide for all diversity, it only allows for diversity from the splice point closest to the customer's property line to the SWC. If a customer desires full diversity, arrangements must be made for constructing dual entrance facilities into the customer's premises, at the customer's expense.



(6) Inter-Wire Center (IWC) Diversity

Inter-Wire Center (IWC) Diversity arrangements presume that each end of a GigaMAN[®] local distribution channel is serviced out of a different serving wire center (SWC). This arrangement provides a transmission path for GigaMAN[®] local distribution channels between the customer's designated SWC and the distant end of the circuit over a transmission path that is separate from the standard transmission path between the two wire centers. IWC diversity does not provide for full diversity. It only offers interoffice diversity. If a customer desires full diversity, Alternate Wire Center Diversity must be implemented along with IWC Diversity. Additionally, arrangements must be made for constructing dual entrance facilities at the customer's premises, at the customer's expense.

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ACCESS SERVICE

7. Special Access (Cont'd)

7.2 Service Description (Cont'd)

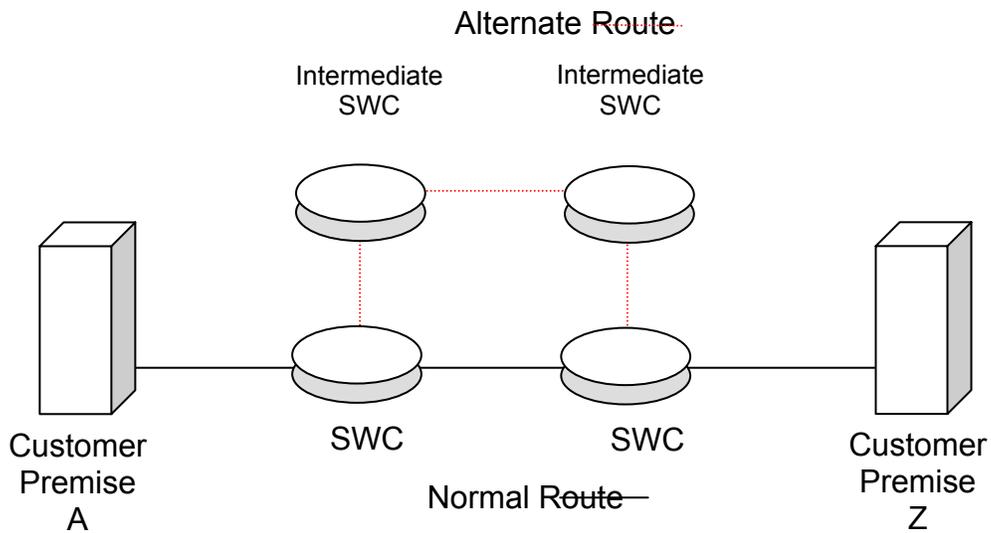
7.2.13 Gigabit Ethernet Metropolitan Area Network (GigaMAN[®]) (Cont'd)

(B) Channel Configurations (Cont'd)

(6) Inter-Wire Center (IWC) Diversity (Cont'd)

(a) Inter-Wire Center (IWC) Diversity Mileage Measurement

Mileage measurements for Access Services provisioned via an Inter-Wire Center Diversity, will be based on the special routing; i.e. mileage measurements will be calculated between the Intermediate Serving Wire Centers along the circuit path of the Diversely routed GigaMAN[®] service.



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ACCESS SERVICE

7. Special Access (Cont'd)

7.2 Service Description (Cont'd)

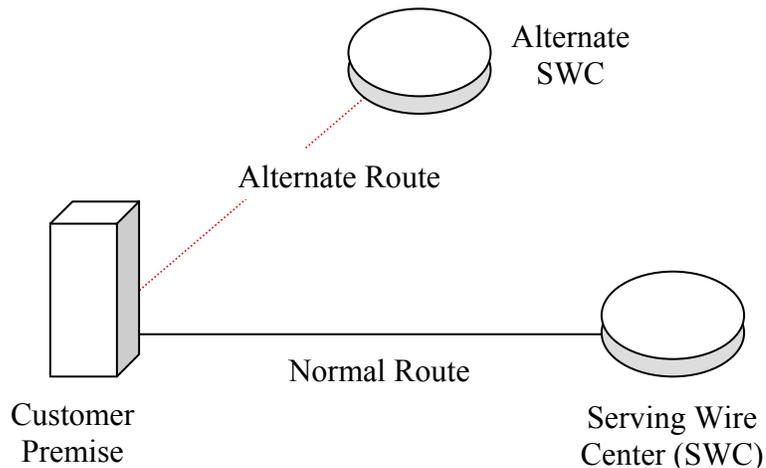
7.2.13 Gigabit Ethernet Metropolitan Area Network (GigaMAN[®]) (Cont'd)

(B) Channel Configuration (Cont'd)

(7) Alternate Wire Center Diversity

Alternate Wire Center Diversity is for the local loop only. It provides a local channel transmission path for GigaMAN[®] service between the customer's designated premises and a wire center that is not the normal (or standard) service wire center. The Telephone Company will choose the alternate wire center closest to the customer's designated premises that is capable of providing GigaMAN[®] service over the alternate route. If a customer desires full diversity, arrangements must be made for constructing dual entrance facilities into the customer's premises, at the customer's expense.

If the circuit routed to the alternate wire center has Interoffice Mileage, measurements will be based on the special routing; i.e., mileage measurements will be made to the alternate wire center rather than the serving wire center from which the customer designated premises would normally obtain dial tone.



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ACCESS SERVICE

7. Special Access (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.13 Gigabit Ethernet Metropolitan Area Network (GigaMAN) (Cont'd)

(C) Non-recurring Charges

Non-recurring charges are one-time charges that apply for specific work activity related to the provisioning of GigaMAN Service, as described in Section 7.4.2.

(D) Recurring Charges

Recurring Charges are rates that apply each month or fraction thereof that the service is provided. Recurring rates apply to 12-, 36-, or 60-month period under the terms and conditions of Term Pricing Plan (TPP), discussed in (F) following.

(E) Monthly Extension Rates

Upon completion of a TPP, a customer's service will automatically convert to the Monthly Extension Rates unless the customer requests a new TPP.

(F) Term Pricing Plan (TPP)

GigaMAN is available for 12-, 36-, or 60- month periods. Monthly recurring charges apply for Local Distribution (TMECS), Channel Mileage Termination (CM6), and Channel Mileage (1L5XX) where appropriate.

(1) Renewals

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

- a. Renew the service for a one, 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 (1)c above and be billed at the current monthly extension rates.

(2) Conversions

During a customer's TPP term, conversions may be made to a new TPP term of the same or greater length. The expiration date of the new service must be beyond the expiration date of the original TPP term. With the new TPP, the customer incurs no liability for the remaining months on the original TPP.

An Administrative Charge is applicable when customers renew or change the length of the TPP term.

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ACCESS SERVICE

7. Special Access (Cont'd)

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7.2 Service Descriptions (Cont'd)

7.2.13 Gigabit Ethernet Metropolitan Area Network (GigaMAN) (Cont'd)

(F) Term Pricing Plan (TPP) (Cont'd)

(3) Termination Liability

Customers requesting termination of service prior to expiration date of the TPP term will be liable for a termination charge, which is calculated as follows:

Billing Period	Termination Percentage
1 Year	85%
3 Year	75%
5 Year	60%

$(\text{Monthly Recurring Rate}) \times (\text{Months Remaining in Billing}) \times (\text{Termination Percentage}) = \text{Term. Liability Charge}$

Example: A GigaMAN Customer with 6,000.00 monthly rate terminates service after 2 years with 1 year (12 months) remaining in a 3 year TPP. The termination would be calculated as:
 $6,000 \times 12 \times .75 = \$54,000.00$ Termination Liability.

(G) 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 are dependant upon the type of move requested by the customer.

(1) Service Re-arrangement

Service rearrangements are changes to existing (installed) services, which do not result in either a change in the minimum period requirements, as set forth in Section 5.2.5 preceding, or a change in the physical location of the point termination at a customer or customer's end user premises, as described in Section 7.4.2.

(N)

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ACCESS SERVICE

7. Special Access (Cont'd)

(N)

7.2 Service Descriptions (Cont'd)

7.2.13 Gigabit Ethernet Metropolitan Area Network (GigaMAN) (Cont'd)

(G) Moves (Cont'd)

(2) Moves Within the Same Building

When the move is to a new location within the same building, the Administration charge and Customer Connection charge for the service termination affected will apply. There will be no change in the minimum period requirements, as described in section 7.4.6.

(3) Moves to a Different Building

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, as described in 7.4.6.

(H) Mileage Measurement

The mileage is calculated on the airline distance between the locations involved, i.e., the serving wire centers associated with two customer-designated premises, the serving wire center associated with a customer designated premises and an international boundary point, a serving wire center associated with a customer designated premises and a Telephone Company Hub, a serving wire center associated with a customer designated premises and a WATS Serving Office as described in Section 7.4.7.

(I) Upgrade to GigaMAN from other Access Products

Other Access products may not upgrade to GigaMAN without incurring applicable Termination Liability charges, if any, on that current access product.

(J) Modification of Access Service

The customer may request a modification of its Access Order at anytime prior to notification by Ameritech that service is available for the customer's use. Ameritech will make every effort to accommodate a requested modification when it is able to do so with the normal work force assigned to complete such an order within normal business hours. If the modification cannot be made with the normal work force during normal business hours, Ameritech will notify the customer. If the customer still desires the Access Order Modification, Ameritech will schedule a new service date. All Charges for Access Order modifications will apply on a per occurrence basis as described in Section 5.2.2.

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ACCESS SERVICE

7. Special Access (Cont'd)

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One SBC Plaza, Dallas, Texas 75202

ACCESS SERVICE

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One SBC Plaza, Dallas, Texas 75202

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Network Channel Interface and Network Channel Codes

The Network Channel Interface (NCI) and the Network Channel codes (NC) and all other associated material which previously appeared in this section are now contained in Ameritech Technical Publication AM-TR-TMO-000080.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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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 Rate Zones

Rate zones are applicable to DS1 (1.544 Mbps) and DS3 (44.736 Mbps) services described in this section, and Special Facilities Routing Arrangements for these services as described in Section 11, following. Each Telephone Company Wire Center, under an Optional Payment Plan term, has been assigned to a rate zone. To determine the rate zone wire center assignments use the following: (T)

- For DS1 and DS3 services subscribed to prior to November 18, 2000, the wire center rate zone assignments can be found in Section 7.7 following, (T)
- For DS1 and DS3 services subscribed to on or after November 18, 2000, the wire center rate zone assignments included in the National Exchange Carrier Association, Inc. (NECA) F.C.C. Tariff No. 4 are assigned to rate zones 1, 2, 3 and 4. All other Telephone Company offices are assigned to zone 5. (T)

In addition, Local Distribution Channel, Channel Mileage and Channel Mileage Termination rates are dependent upon the zone assignment of the Service Wire Center. Channel Mileage and Channel Mileage Termination that is computed between wire centers in different rate zones will be assessed the rates in the higher priced rate zone. Multiplexing rates will be determined by the location of the multiplexing arrangement.

7.4.2 Types of Rates and Charges

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

(A) Monthly Rates

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

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

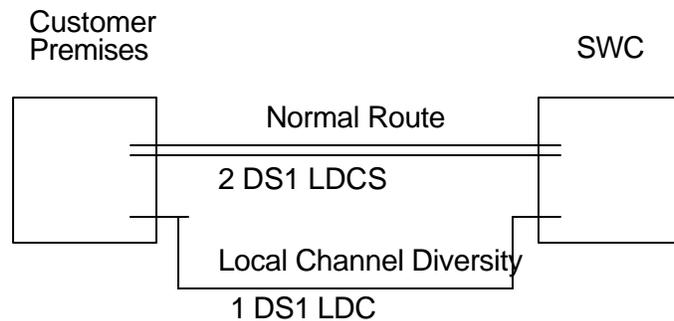
7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(A) Monthly Rates (Cont'd)

The following example depicts the applicable recurring monthly charges for an arrangement providing one DS1 LDC provisioned over a Local Channel Diversity Arrangement and two DS1 LDCs provisioned over the normal route:

(T)
(T)



(T)
(T)

The following recurring rates apply to the 2 LDCs provisioned over the normal route:

- (1) DS1 LDC (Sec. 7.5.9)
- (2) DS1 LDC (Sec. 7.5.9)

(T)
(T)

The following recurring rates apply to the LDC provisioned over a Local Channel Diversity Arrangement:

- (1) DS1 LDC (Sec. 7.5.9)
- (2) Local Channel Diversity, Digital 1.544 Mbps, First Channel (Sec. 11.3.1)

(T)

Monthly rates are applied in the same manner, as depicted above, for Serving Wire Center Avoidance Arrangements.

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

- 7. Special Access Service (cont'd)
 - 7.4 Rate Regulations (cont'd)
 - 7.4.2 Types of Rates and Charges (cont'd)

(A) Monthly Rates (cont'd)

Each DS3 Service Package with an Optical Interface provides the capability to provision a maximum number of DS3 (44.736 Mbps) channels. The DS3 Service Channels (SC) are the individually activated 44.736 Mbps channels. Each DS3 Service Package with an Optical Interface must have a minimum number of service channels activated at all times. A new DS3 Service Package with an Optical Interface must be installed with at least the minimum required Service Channels. A customer may not disconnect Service Channels from an existing DS3 Service Package with an Optical Interface below the minimum required in that package without downgrading the Service Package size or terminating the DS3 LDC Service. (T)

DS3 Service Package With Optical Interface	Minimum Required SCs	Maximum Number of DS3 Equivalent SCs in Package
DS3012	7	12
DS3024	13	24

All DS3 Service Channels within the package must be ordered for termination at the same customer designated premises, billed to the same customer and in the same Serving Wire Center (SWC). Separate DS3 Service Packages with an Optical Interface must be ordered if provisioned by means of a Local Channel Diversity or a Serving Wire Center Avoidance Special Facilities Routing Arrangement as specified in 11.2.1 following. All Service Channels in a package are required to be connected to other service components (i.e., Channel Mileage, Multiplexing, or another Service Channel) at the time the Service Channel is installed, except at the fiber hub. (T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(A) Monthly Rates (Cont'd)

The interconnection of individual Service Channels with other components, such as Channel Mileage and Multiplexing, may be different. For example, one Service Channel within the package may have Multiplexing, while another Service Channel may have Channel Mileage associated with it. Components connected to each Service Channel in the service package may have different Optional Payment Plan periods from the service package in which the Service Channels reside.

(x)
|
(x)

(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.

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.

Hourly

Hourly rates are flat recurring rates that apply to each hour period or fraction thereof that a Video Special Access Service is provided

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(This page filed under Transmittal No. 1317)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges*

Nonrecurring charges are one-time charges that apply for specific work activity (i.e., installation of new services and rearrangements of installed services). The nonrecurring charges that apply for installation of Special Access Service are described in (1) through (3), following. Application of nonrecurring charges for service rearrangements is described in (6), following.

Certain optional features and functions also have separate installation nonrecurring charges as described in (4), following. There are also separate nonrecurring charges for circuit record work associated with hub rearrangements. Applications of these charges is described in (5), following.

(1) Administrative Charge

The Administrative Charge applies any time a customer initiates an order for service. This charge applies once per customer order, as described in Section 5.1 preceding. Administrative Charges for Special Access Service are set forth in 7.5.15 following.

(2) Design and Central Office Connection Charge

The Design and Central Office Connection Charge applies to each service installed, and is charged once per circuit, except for multipoint Supertrunking Video Service (ASVS). For multipoint ASVS circuits, one Design and Central Office Connection Charge is charged for each leg of the ASVS circuit associated with a terminating customer premises. The nonrecurring charges for design and central office connection are set forth in 7.5.15 following.

(T)

(3) Customer Connection Charge

The Customer Connection Charge applies to each service installed, and is charged once per Local Distribution Channel. The nonrecurring charges for customer connection are set forth in 7.5.15 following.

If a single order involves 500 or more terminations at the same location on the same customer requested date, the individual nonrecurring charges for the services provided will not apply, except for the Administrative Charge. The customer will be notified and will be provided

* For Services ordered under MVP, refer to Section 19.3(E)(5).

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges* (Cont'd)

with an estimate of the design and installation charges involved based on the specific work to be performed. Such charges will be determined and billed to the customer as follows:

To calculate the labor charges, the Telephone Company will keep track of the labor hours used to meet the request of the customer and bill the customer at the applicable Additional Labor charges as set forth in 13.2.6 following for engineering, and 13.1.1 following for labor and testing.

An estimate of total charges will be provided to the customer, along with a request for authorization to incur the costs. Work will not proceed until authorization is received from the customer. Total charges will not exceed the estimate by more than 10 percent, nor will they exceed the standard nonrecurring charges which would otherwise apply.

(4) Installation of Optional Features and Functions

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

The optional features for which nonrecurring charges apply are:

- Direct Analog Service Data Capability
- Direct Analog Service Improved Attenuation Distortion
- Direct Analog Service Improved Envelope Delay Distortion
- Direct Analog Service Telephoto Capability
- DS1 Clear Channel Capability
- Program Audio Gain Conditioning
- Program Audio Stereo
- Wideband Data Transfer Arrangement

(T)

* For Services ordered under MVP, refer to Section 19.3(E)(5).

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges* (Cont'd)

(5) Hub Rearrangements

(a) No Change in Point of Termination

A Hub Rearrangement occurs when an existing channelized Ameritech digital service between a customer premises and a facility hub is multiplexed onto a new higher speed Ameritech digital service at the hub. When this occurs, the facility records of the existing lower speed analog or digital services associated with the existing channelized Ameritech digital service must be changed to reflect the transport of these lower speed services at the new higher speed interface. A Hub Rearrangement applies only when the following conditions are met:

- neither customer location changes;
- the existing multiplexer associated with the lower speed services is not physically moved; and
- all rearranged facilities are included in one customer request

One nonrecurring Hub Rearrangement Record Charge, as set forth in 7.5.13 following, is applicable to each existing Ameritech DS3 to Ameritech DS1 or Ameritech DS1 to Voice/Ameritech Base Rate multiplexer that requires associated lower speed service facility record changes.

No Design and Central Office Connection or Customer Connection Charges apply to the multiplexed lower speed services which terminate at the hub. Absent a specific customer request, end-to-end testing will not be performed. If the customer requests end-to-end testing, a Customer Connection Charge will apply to each low speed circuit tested.

When cascading multiplexing is performed, whether in the same or a different hub, a charge for the rearrangement of services associated with the additional multiplexer also applies. For example, when a hub rearrangement occurs for services associated with an DS3 to DS1 multiplexer and the DS1 services from this multiplexer are also multiplexed to Direct Analog services, one Hub Rearrangement Record Charge applies for the services rearranged on the DS3 to DS1 multiplexer and one for the services rearranged on each DS1 to Voice/Base Rate multiplexer.

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* For Services ordered under MVP, refer to Section 19.3(E)(5).

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

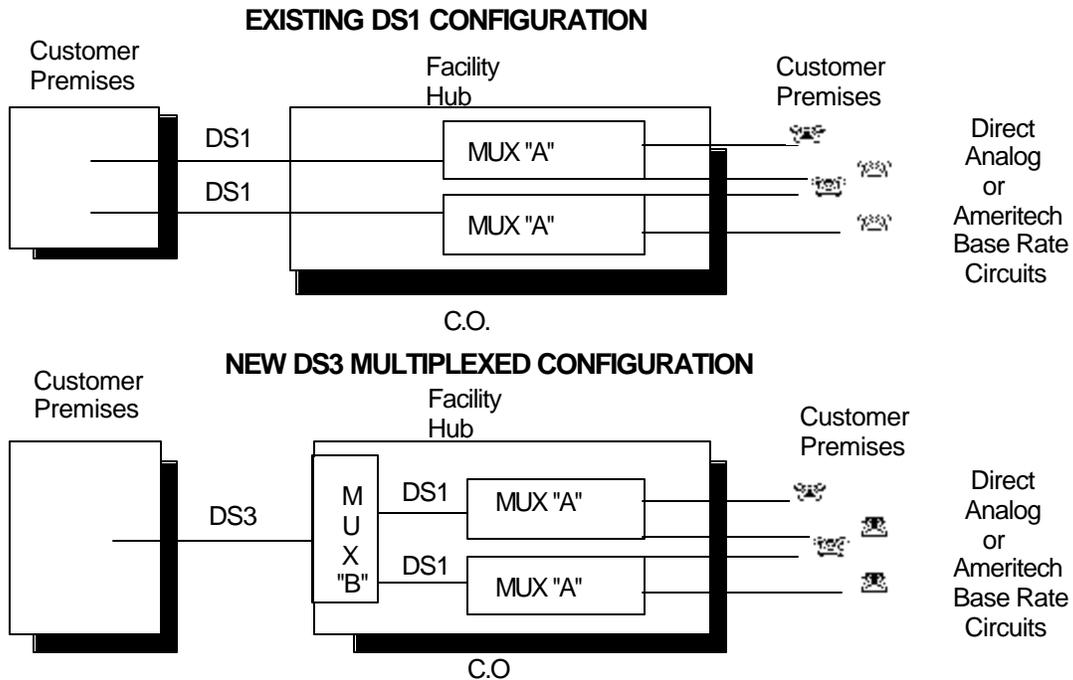
(C) Nonrecurring Charges* (Cont'd)

(5) Hub Rearrangements (Cont'd)

(a) No Change in Point of Termination (Cont'd)

Hub Rearrangement of lower speed services on a channelized DS1 service resulting from multiplexing the DS1 service onto an DS3 service with an DS3 to DS1 multiplexer is illustrated below:

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(T)



A - DS1 to Voice/Base Rate Multiplexer
 B - DS3 to DS1 Multiplexer

(T)
(T)

In the preceding illustration, one Hub Rearrangement Record Charge applies for each of the two DS1 to Voice/Base Rate multiplexers which have lower speed services associated with them that are affected by the hub rearrangement. Rates and charges as specified in 7.5.9 and 7.5.13 following apply for installation of the DS3 service, the DS3 to DS1 multiplexer, and each DS1 service rearranged to terminate in DS3 to DS1 multiplexer. The Direct Analog Service or the Base Rate Customer Connection Charge applies only to those specific Direct Analog or Base Rate Services for which the customer requests end-to-end testing.

(T)
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* For Services ordered under MVP, refer to Section 19.3(E)(5).

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges* (Cont'd)

(5) Hub Rearrangements (Cont'd)

(b) High Speed Point of Termination Change

Hub Rearrangement will occur when an existing channelized Ameritech digital service is rearranged to an existing Ameritech digital service or Expanded Interconnection Service with a change in the high speed point of termination and where the location of the multiplexer and the configuration of lower speed services on the multiplexer are not affected.

Except as noted below, all facilities and equipment required for the activity must already exist:

- Rearranging an existing service from one multiplexer to another multiplexer.
- Rearranging an existing lower speed service to an existing multiplexed higher speed service.
- Rearranging from Special Access Service to/or from Expanded Interconnection Service.

No Design and Central Office Connection or Customer Connection charges will apply to the multiplexed lower speed services of the service being rolled over as long as there is no physical change to the lower speed services. However a Hub Rearrangement record change charge as set forth in 7.5.13 following, will apply for each multiplexer that requires associated lower speed service facility record changes. If the customer requests end-to-end testing, a Customer Connection Charge will apply to each low speed service tested.

When cascading multiplexing is performed, whether in the same or a different hub, a charge for the rearrangement of services associated with the additional multiplexer also applies. For example, when a hub rearrangement occurs for services associated with an DS3 to DS1 multiplexer and the DS1 services from this multiplexer are also multiplexed to Direct Analog services, one Hub Rearrangement Record Charge applies for the services rearranged on the DS3 to DS1 multiplexer and one for the services rearranged on each DS1 to Voice/Base Rate multiplexer.

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* For Services ordered under MVP, refer to Section 19.3(E)(5).

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges* (Cont'd) (C)

(6) Service Rearrangements

Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in 5.2.5 preceding or a change in the physical location of the point of termination at a customer or customer's end user premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts.

Changes in the physical location of the point of the termination are treated as moves and are described and charged for as set forth in 7.4.6 following.

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

Certain "records only" changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Access Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the Access Service). Following are examples of "records only" changes:

* For Services ordered under MVP, refer to Section 19.3(E)(5).

(C)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges* (Cont'd)

(6) Service Rearrangements (Cont'd)

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes its name -- e.g., AT&T Long Lines to AT&T - Communications),
- Change of customer premises or customer's end user premises address when the change of address does not require a physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number or Optional Payment Plan information),
- Change of customer or customer's end user contact name or telephone number.

All other service rearrangements will be charged for as follows:

- If a change involves a change of the customer of record (i.e., Access Service is provided and billed to a different entity) and no physical relocation or rearrangement of the service is required, the Administrative Charge will apply. For the change of customer of record to be treated as a service rearrangement, the new customer must assume liability for both current and prior charges for the service.
- If the change involves the addition of one or more legs to an existing multipoint service, one Design and Central Office Connection Charge associated with the Special Access Service will apply, regardless of the number of legs added, except for multipoint Ameritech Supertrunking Video Service (ASVS). One Design and Central Office Connection Charge will apply for the addition of each leg of multipoint ASVS service associated with a terminating customer premises. One Customer Connection Charge will apply only for each leg that is being added. One Administrative Charge will also apply. (T)

* For Services ordered under MVP, refer to Section 19.3(E)(5).

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges* (Cont'd)

(6) Service Rearrangements (Cont'd)

- If a change involves the addition of Optional Features and Functions with separate nonrecurring charges for any service except DS3 Service, the Design and Central Office Connection Charge and the Customer Connection Charge associated with the Special Access Service will apply in addition to the separate nonrecurring charge. The Administrative Charge will also apply. (T)
- If a change involves the Optional Fiber Hub Cross-connection Service for DS3, DS1 or DS0 (Base Rate and Direct Analog) service, the Administrative Charge will apply in addition to the separate nonrecurring charge. No other nonrecurring charges will apply. (T)
- If a change involves the addition of Optional Features and Functions without separate nonrecurring charges for any service except DS3 Service, the Design and Central Office Connection Charge and the Customer Connection Charge associated with the Special Access Service will apply. The Administrative Charge will also apply. This includes, but is not limited to, the inclusion of existing DS3, DS1 and Base Rate Services in the customer's Network Reconfiguration Service (ANRS) database. (T)
- If a change involves the removal of Optional Features and Functions, either with or without separate nonrecurring charges, the Design and Central Office Charge and the Administrative Charge associated with the Special Access Service will apply. (T)
- If a change involves the rearrangement of an existing point-to-point DS1 or DS3 service onto a higher speed Ameritech digital service at a facility hub, or cross-connection to an interconnection arrangement in the same central office via Electronic Cross-Connection Service described in Section 16.4, following, the Administrative Charge and the Design and Central Office Connection Charge will apply. If a customer specifically requests end-to-end testing, then a Customer Connection Charge will also apply. (T)
- If a change involves the rearrangement of an OCN Point-to-Point Service from point-to-point (non-channelized) service to an arrangement with an add/drop multiplexer and an Add/Drop function or vice-versa, an Administrative Charge, Design and Central Office Connection Charge and Customer Connection Charge will apply. (T)

* For Services ordered under MVP, refer to Section 19.3(E)(5).

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges* (Cont'd)

(6) Service Rearrangements (Cont'd)

- If a change is made in payload mapping within an OCN Point-to-Point Service package, this change will require a redesign of OCN Point-to-Point Service and an Administrative Charge and Design and Central Office Connection Charge will apply.
- If a change is made in payload mapping within an OC-3, OC-12 or OC-48 Dedicated Ring service, an Administrative Charge and Design and Central Office Connection Charge will apply. (T)
- If the change involves a change in the type of signaling on a Direct Analog Service, the Design and Central Office Connection Charge and the Customer Connection Charge associated with Direct Analog Service will apply. The Customer Connection Charge will apply per LDC affected. The Administrative Charge will also apply.
- If the Priority Restoration (PR) Level is changed on a Telecommunications Service Priority System service, the PR Level Change Charge will apply. The Administrative Charge will also apply.
- If a change involves the option Multiplexer Cross-Connection Service for DS1 and DS3 Service, the Administrative Charge will apply in addition to the Design and Central Office Connection Charge. No other nonrecurring charges will apply. (T)
- If the change to an Supertrunking Video Service involves a change in the number of video channels transported, a customer premises visit may be required. If a customer visit is required, the Customer Connection Charge will apply per LDC affected. The Administrative Charge will also apply. (T)

* For Services ordered under MVP, refer to Section 19.3(E)(5).

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges* (Cont'd)

(6) Service Rearrangements (Cont'd)

- For changes made to an DS3 Service Package with an Optical Interface, nonrecurring charges will apply as follows: (T)

Description	Number of Charges		
	Administrative	Design / Central Office	Customer Connections
(a) Connect 14 new DS3 SCs in two New DS3012 Service Packages (T)			
- same serving wire center	1	7	14
- different serving wire centers, (with Channel Mileage)	1	7	14

* For Services ordered under MVP, refer to Section 19.3(E)(5).

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(6) Service Rearrangements (Cont'd)

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ACCESS SERVICE

7. Special Access Service (cont'd)

7.4 Rate Regulations (cont'd)

7.4.2 Types of Rates and Charges (cont'd)

(C) Nonrecurring Charges* (cont'd)

(6) Service Rearrangements (cont'd)

(b) DS3 Service Package with an Optical Interface Upgrade

(T)

The following examples illustrate the applicable nonrecurring charges, assuming each SC in the new package is connected to another SC (typical point to point connection).

Description	Number of Charges		
	Administrative	Design / Central Office	Customer Connections
To DS3024 from DS3012			
- no premises-to-premises test	1	12	24
- with premises-to-premises test	1	12	48

* For Services ordered under MVP, refer to Section 19.3(E)(5).

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges* (Cont'd) (C)

(6) Service Rearrangements (Cont'd)

- For all other changes which require physical work to be performed, one Design and Central Office Connection Charge and one Customer Connection Charge per LDC will apply. The Administrative Charge will also apply.
- For all other changes not requiring physical work at the central office or customer premises, including a change in the customer assigned circuit identification, billing account number (when initiated by the customer), jurisdiction without a physical rearrangement of facilities, or customer assigned test line number, the Administrative Charge will apply.

Only one such charge will apply per order. If the rearrangements are initiated by the Telephone Company, or if the rearrangements are necessary to conform Telephone Company records to MECAB or MECOD requirements for jointly provided services, no charge will apply.

* For Services ordered under MVP, refer to Section 19.3(E)(5).

(C)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges* (Cont'd)

(7) DS3 Service

(T)

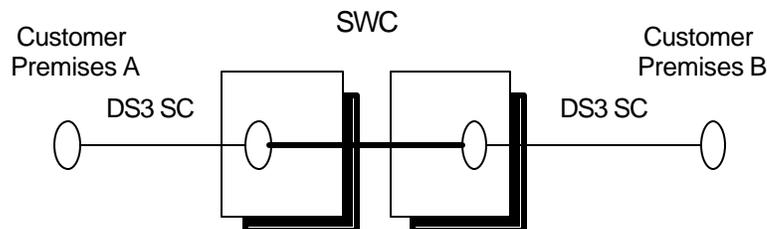
(a) DS3 Service Packages with an Optical Interface

Nonrecurring charges as specified in Section 7.5.13, following, apply for the installation of DS3 Service Channels with an Optical Interface. One Administrative Charge, per customer order, applies to all package sizes. The Design and Central Office Connection Charge is applied per circuit and does not apply to Fiber Hub Service Channels not connected to any other components. One Customer Connection Charge is applied to each Service Channel activated.

(T)

The following examples depict the applicable nonrecurring charges for the installation of two identical new DS3 Service Packages with an Optical Interface with service channels configured as premises-to-premises circuits between the same two points at the time of installation, assuming each SC in the package is connected.

(T)



Package at Customer Premises A	Package at Customer Premises B	Administrative	Design / Central Office	Customer Connections
DS3012 (12 SCs)	DS3012	1	12	24
DS3024 (24 SCs)	DS3024	1	24	48

*For Services ordered under MVP, refer to Section 19.3(E)(5).

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges* (Cont'd)

(7) DS3 Service (Cont'd)

(T)

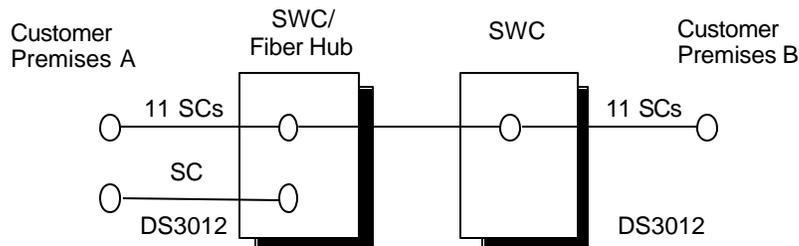
(a) DS3 Service Packages with an Optical Interface (Cont'd)

DS3 Service Package Installation

(T)

The following examples depict the applicable nonrecurring charges for the installation of new DS3 Service Packages, which terminate into a Fiber Hub office and all but one of the Service Channels are cross-connected.

(T)



Package at Customer Premises A	Package at Customer Premises B	Administrative	Design / Central Office	Customer Connections
DS3012 (12 SCs)	DS3012	2	11	23

*For Services ordered under MVP, refer to Section 19.3(E)(5).

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges* (Cont'd)

(7) DS3 Service (Cont'd)

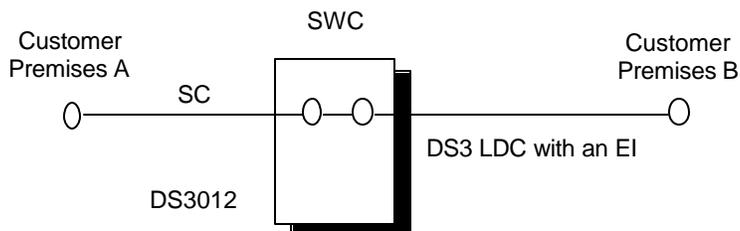
(T)

(a) DS3 Service Packages with an Optical Interface (Cont'd)

DS3 Service Package Installation (Cont'd)

(T)

The following illustration depicts the connection of 1 DS3 SC within a DS3012 Service Package to a DS3 LDC with an Electrical Interface (EI) and the applicable nonrecurring charges incurred. Because the DS3 Service Package serving premises A and the DS3 LDC with EI serving premises B are of different sizes, separate orders are required to install the service between the two premises. The SCs in the DS3012 package not interconnected to the DS3 LDC with an EI, if ordered, are required to be interconnected to other components (i.e., channel mileage termination or multiplexing when activated).



Applicable nonrecurring charges are:

- 1 Administrative Charge
- 1 Design and Central Office Charges (1 per circuit)
- 2 Customer Connection Charges
 (1 for the DS3012 at Premises A and 1 for the DS3 with an EI at Premises B)

* For Services ordered under MVP, refer to Section 19.3(E)(5).

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

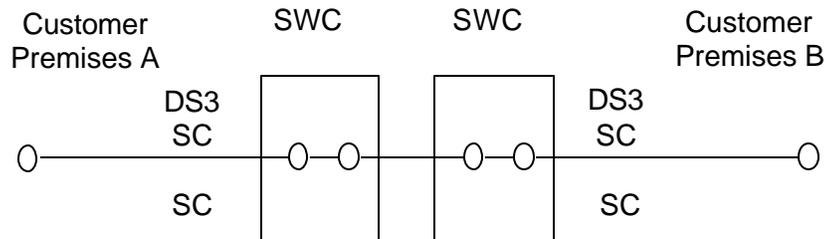
(C) Nonrecurring Charges* (Cont'd)

(7) DS3 Service (Cont'd) (T)

(a) DS3 Service Packages with an Optical Interface (Cont'd)

DS3 Service Package Installation (Cont'd) (T)

The following illustration depicts the connection of 2 DS3 Service Channels with channel mileage and applicable nonrecurring charges associated with this point-to-point circuit.



Applicable nonrecurring charges are:

- 1 - Administrative Charges
- 1 - Design and Central Office Connection Charge
- 2 - Customer Connection Charges
(1 per SC)

* For Services ordered under MVP, refer to Section 19.3(E)(5).

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges* (Cont'd)

(7) DS3 Service (Cont'd)

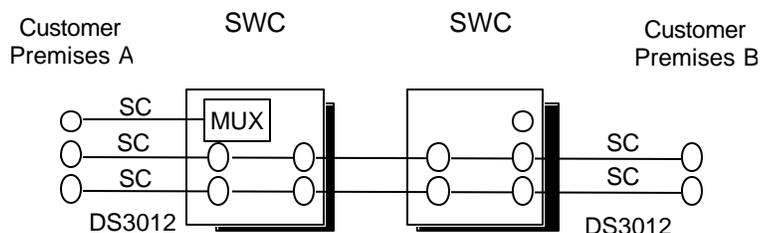
(T)

(a) DS3 Service Packages with an Optical Interface (Cont'd)

DS3 Service Package Installation (Cont'd)

(T)

The following illustration depicts the connections of 2 DS3 SCs within 2 DS3012 service packages and applicable nonrecurring charges associated with 2 point-to-point service channels and one channel connected to a multiplexer.



Applicable nonrecurring charges are:

- 2 - Administrative Charges (1 per request)
- 3 - Design and Central Office Connection Charges (1 per circuit)
- 5 - Customer Connection Charges (1 per SC)

* For Services ordered under MVP, refer to Section 19.3(E)(5).

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges* (Cont'd)

(7) DS3 Service (Cont'd)

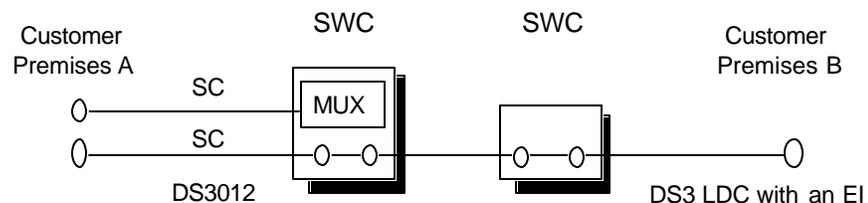
(T)

(a) DS3 Service Packages with an Optical Interface (Cont'd)

DS3 Service Package Installation (Cont'd)

(T)

The following illustration depicts the connections of a DS3 LDC with an Electrical Interface (EI) point-to-point to a Service Channel of a DS3012 Service Package. The DS3012 Service Package is configured with 1 point-to-point Service Channel and 1 multiplexed Service Channel. Applicable nonrecurring charges will apply as listed.



Applicable nonrecurring charges are:

2 - Administrative Charges (Per request, related orders)

2 - Design and Central Office Connection Charges (Per DS3 Circuit)

3 - Customer Connection Charges (1 each per SC and 1 per DS3 LDC with an EI)

* For Services ordered under MVP, refer to Section 19.3(E)(5).

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One SBC Plaza, Dallas, Texas 75202

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges* (Cont'd)

(7) DS3 Service (Cont'd)

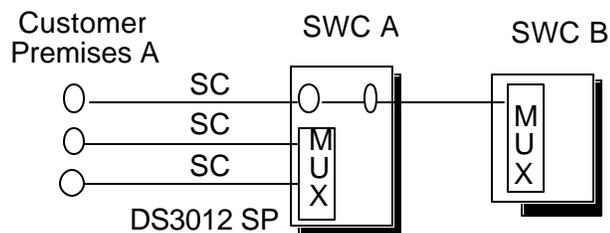
(T)

(a) DS3 Service Packages with an Optical Interface (Cont'd)

DS3 Service Package Installation (Cont'd)

(T)

The following illustration depicts the connection of 3 DS3 Service Channels within a DS3012 service package, 2 Service Channels are connected to multiplexing in SWC A, and 1 Service Channel is connected to Channel Mileage Termination and to subsequent multiplexing in SWC B, assuming that all Service Channels are ordered at the same time. Nonrecurring charges apply as listed.



Applicable nonrecurring charges are:

- 2 - Administrative Charges
- 3 - Design and Central Office Connection Charges (Per DS3 Circuit)
- 3 - Customer Connection Charges (Per SC)

* For Services ordered under MVP, refer to Section 19.3(E)(5).

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ACCESS SERVICE

7. Special Access Service (cont'd)

7.4 Rate Regulations (cont'd)

7.4.2 Types of Rates and Charges (cont'd)

(C) Nonrecurring Charges* (cont'd)

(7) Ameritech DS3 Service (cont'd)

(T)

(a) DS3 Service Packages with an Optical Interface (cont'd)

Nonrecurring charges are not applicable to the DS3 Service Package element.

(b) DS3 Service Package with an Optical Interface Upgrades and Downgrades

Customers have the option to upgrade their DS3 Service package sizes as their needs change. Termination Liability charges will not apply for service package upgrades.

* For Services ordered under MVP, refer to Section 19.3(E)(5).

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges* (Cont'd)

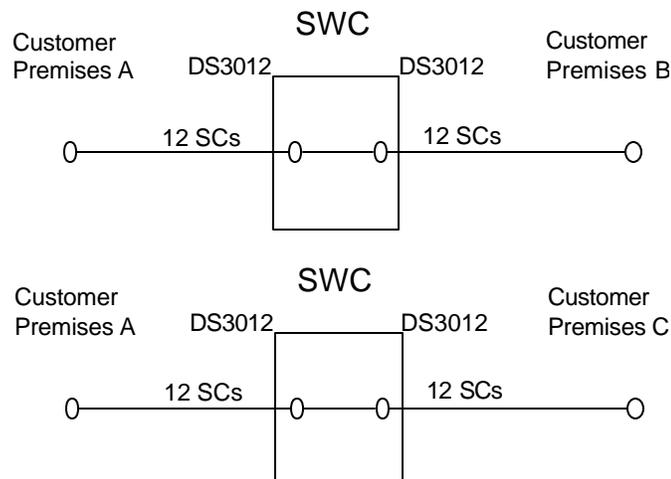
(7) DS3 Service (Cont'd)

(T)

(b) DS3 Service Package with an Optical Interface Upgrades and Downgrades (Cont'd)

The following illustration depicts two available options and applicable nonrecurring charges when a customer with existing DS3 Service Channels within a DS3012 package between Customer Premises A and B requires twelve new DS3 Service Channels within a DS3012 package between Customer Premises A and C.

In the first option, the customer retains the original DS3012 Package and adds a second DS3012 at Customer Premises A, and a new DS3012 at Customer Premises C. For clarity, assume existing DS3 packages are fully configured.



Applicable nonrecurring charges are:

- 1 - Administrative Charge
- 12 - Design and Central Office Connection Charges
(one for each premises-to-premises DS3 Service Channel)
- 24 - Customer Connection Charges
(one for each new DS3 Service Channel connected)

* For Services ordered under MVP, refer to Section 19.3(E)(5).

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.15 Installation Interval Guarantee

A failure to meet the installation interval service date for the services following (as specified in Interval Guide Publication AM-TR-MKT-000066), will result in a customer credit of the nonrecurring charges, (Administrative, Design and Central Office and Customer Connection) billed to the customer for that service, where the responsibility for the failure is solely the Telephone Company's:

(T)

- DS1
- DS3
- Base Rate
- Direct Analog Service

(T)
(T)
(T)

This guarantee does not apply to any installation involving the following circumstances:

1. The customer requests expedited orders
2. Other Telephone Companies are designated as the billing company as set forth in Section 2.4.7 preceding or the AOC is the billing company as set forth in 2.4.7(B)(3) and 2.4.7(B)(4) preceding.
3. The customer's premises is inaccessible
4. The customer changes interface requirements
5. The customer is not ready to accept service
6. Building facilities are not ready (includes space, cable support structures, building risers and entrance facilities to be provided by builder or owner or owner's subcontracted vendors)
7. The customer orders termination beyond the Network Interface

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges* (Cont'd)

(7) DS3 Service (Cont'd) (T)

(c) Limitations

All nonrecurring charges (Administrative, Design and C.O., and Customer Connection) for DS3 Service with an Optical Interface will be applied to the DS3 Service Channel (SC) rate element. (T)

Customers, in service as of August 4, 1992, who have already paid a Customer Connection Charge on a Service Channel which is not in service, will not pay an additional Customer Connection Charge when the Service Channel is placed in service.

(8) OC-3, OC-12 and OC-48 Dedicated Ring (T)

All nonrecurring charges for the initial installation of the Dedicated Ring will be included in the monthly rates, except for the actual ring design for which an Administrative Charge and Design and Central Office Connection Charge will be applied once for the entire ring (circuit).

* For Services ordered under MVP, refer to Section 19.3(E)(5).

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ACCESS SERVICE**7. Special Access Service (Cont'd)****7.4 Rate Regulations (Cont'd)****7.4.3 Surcharge for Special Access Service****(A) General**

In addition to the rates and charges described in 7.4.2 preceding, there is a monthly surcharge that applies to Special Access Service. The Special Access Surcharge compensates the Telephone Company for use of the local exchange network when Special Access Service is connected to a PBX or equivalent device which is capable of interconnecting the Special Access Service with local exchange service.

The Telephone Company will automatically bill the surcharge on each Special Access Service installed irrespective of whether the interconnection capability exists in the customer's premises equipment or in a Centrex-CO type switch unless written certification is received from the customer certifying exemption status as set forth in (B) following.

Upon the effective date of the application of the Special Access Surcharge to Dedicated Access Lines, the Telephone Company will begin to bill the surcharge for Dedicated Access Lines ordered as of that date unless exemption certification has been received. Billing of the surcharge for Dedicated Access Lines in service or on order prior to the effective date for Dedicated Access lines will be deferred for a period of 90 days.

(B) Special Access Surcharge Exemptions

The Special Access Service will be exempted from the surcharge if the customer provides the Telephone Company written certification that the Special Access Service termination is one of the following;

- (1) an open-end termination in a Telephone Company switch of an FX line, including CCSA and CCSA-equivalent ONALS; or
- (2) an analog Local Distribution Channel that is used for radio or television program transmission; or
- (3) a termination used for TELEX service; or
- (4) a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines; or

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2000 W. Ameritech Center Drive
Hoffman Estates, Illinois 60196-1025

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.3 Surcharge for Special Access Service (Cont'd)

T

(B) Special Access Surcharge Exemptions (Cont'd)

- (5) a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges such as, where the Special Access Service accesses only FGA and no local exchange lines, or Special Access Service between customer points of termination or Special Access Service connecting CCSA or CCSA-type equipment (inter-machine trunks); or
- (6) a termination that the customer certifies to the Telephone Company is not connected to a PBX or other device capable of interconnecting the special access facility to a local exchange subscriber line.
- (7) During the period commencing June 1, 1986 and ending December 31, 1986 the Special Access Surcharge shall not apply to Dedicated Access Lines associated with resold WATS and/or WATS-type service where such lines were in service on March 13, 1986.

(C) Exemption Certification

- (1) Special Access Services which are terminated as set forth in (B) preceding will be exempted from the Special Access Surcharge if the customer provides the Telephone Company with a written notification certifying exemption. Such notification shall be provided by the customer (1) at the time the Special Access Service is ordered or installed; (2) at such time as the Special Access Service is reterminated to a device not capable of interconnecting to the local exchange network, or (3) at such time as the Special Access Service becomes associated with a Switched Access Service that is subject to Carrier Common Line charges.
- (2) If written certification is not received at the time the Special Access Service is obtained, the surcharge will be applied. Exempt status will become effective on the certification date indicated by the customer, subject to the regulations in (D) following.

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Hoffman Estates, Illinois 60196-1025

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.3 Surcharge for Special Access Service (Cont'd)

(C) Exemption Certification (Cont'd)

- (3) The exemption certification is to be provided by the customer or authorized representative and include the category of exemption, as set forth in (B) preceding, for each termination, and the date which the exemption is effective.
- (4) The customer shall also notify the Telephone Company when an exempted Special Access Service is changed or reterminated such that the exemption is no longer applicable.

(D) Crediting the Surcharge

The Telephone Company will cease billing the Special Access Surcharge when certification that the Special Access Service has become exempt from the surcharge, as set forth in (B) preceding is received. If the status of the Special Access Service was changed prior to receipt for the exemption certification, the Telephone Company will credit the customer's account, not to exceed ninety (90) days, based on the effective date of the change specified by the customer in the letter of certification.

(E) Application of Rates

- (1) The monthly Special Access Surcharge applies to Special Access Services arranged, as set forth in (A) preceding, on a per voice grade equivalent basis as shown in the following example.

Special Access Service	Voice Grade Equivalent		Surcharge	Monthly Charge	
Direct Analog Service	1	x	\$25.00	\$ 25.00	
Wideband Analog Group Level*	12	x	25.00	300.00	
DS1					
- 1.544 Mbps	24	x	25.00	600.00	
- 128.0 Kbps	2	x	25.00	50.00	
- 256.0 Kbps	4	x	25.00	100.00	
- 384.0 Kbps	6	x	25.00	150.00	
- 512.0 Kbps	8	x	25.00	200.00	(N)
- 768.0 Kbps	12	x	25.00	300.00	(N)
DS3	672	x	25.00	16,800.00	

* Wideband Analog Service is limited to circuits in place as of August 11, 1988.

(This page filed under Transmittal No. 1390)

ACCESS SERVICE

7. Special Access Service (cont'd)

7.4 Rate Regulations (cont'd)

7.4.3 Surcharge for Special Access Service (cont'd)

(E) Application of Rates (cont'd)

- (2) In the case of multipoint Special Access Service, one Special Access Surcharge will apply for each termination at a customer designated premises except that no surcharge applies at the customer designated premises at which the Access Service is connected to Interstate Service.
- (3) The Telephone Company will bill the surcharge to the customer who orders the Special Access Service unless the Service is exempt as set forth in (B) preceding.

7.4.4 Message Station Equipment Recovery Charge

The Message Station Equipment Recovery Charge is a charge to recover that portion of message station equipment that is assigned to Special Access Service.

Pursuant to CC Docket 83-1145 Memorandum Opinion and Order adopted by the Federal Communications Commission on November 8, 1984, and released on November 9, 1984, this charge is assessed only to those customers to which the Special Access Surcharge applies. The rate for the Message Station Equipment Recovery Charge is set forth in 7.5.11 following.

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Certain material formerly appeared on 12th Revised Page 304.

(TR1214)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.5 Minimum Periods

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

- (A) 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).
- (B) The minimum period for service provided on an Individual Case Basis (ICB) is as specified in the ICB filing.
- (C) The minimum service period for a DS3 LDC with an Electrical Interface and a DS3 Service Package with an Optical Interface is 12 months. After the minimum period is satisfied, the monthly extension rate will apply. (x)
(x)
- (D) The minimum service period for Ameritech OC-3 and Ameritech OC-12 Services is 12 months. After the minimum period is satisfied, the monthly rate will apply unless an OPP is selected. (x)
(x)
(x)
- (E) The minimum service period for Ameritech OC-3 Dedicated Ring and Ameritech OC-12 Dedicated Ring service is 36 months. After the minimum period is satisfied, the prevailing rates of the current plan will continue until the customer cancels or renews the service (x)
(x)
(x)
(x)
- (F) The minimum service period for Ameritech Multichannel Video Service, Ameritech Supertrunking Video Service, Wideband Analog Video Service and Serial Component Video Service is 12 months. After the minimum period is satisfied, the prevailing rates of the OPP selected by the customer will apply, or the monthly rates will apply if the customer's OPP term has expired. The minimum service period requirement for Ameritech Multichannel Video Service provided for the 1996 Democratic National Convention is one month. (x)
- (G) The minimum service period for SONET Xpress is 12 months. After the minimum period is satisfied, the monthly extension rate will apply unless an OPP is selected. (x)
(x)
(x)

x Issued under authority of Special Permission No. 02-112 of the F.C.C. in order to restore currently effective provisions and to withdraw material filed under Transmittal No. 1313 without becoming effective.

(This page filed under Transmittal No. 1317)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.6 Moves

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

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

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

(A) Moves Within the Same Building

When the move is to a new location within the same building, the Administrative Charge and Customer Connection Charge for the service termination affected will apply. There will be no change in the minimum period requirements.

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Certain material on this page previously appeared on 7th Revised Page 304.

(TR922)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.6 Moves (Cont'd) T

(B) Moves To a Different Building

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.

7.4.7 Mileage Measurement T

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, the serving wire center associated with a customer designated premises and an international boundary point, a serving wire center associated with a customer designated premises and a Telephone Company Hub, a serving wire center associated with a customer designated premises and a WATS Serving Office. 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.

The Vertical and Horizontal (V&H) coordinates method is used to determine mileage. This method is set forth in the National Exchange Carrier Association Tariff F.C.C. No. 4. When the calculation results in a fraction of a mile, always round up to the next whole mile before applying the rate.

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

When the mileage measurement is to an international boundary point, one Channel Mileage Termination charge applies in addition to the per mile rate (Use USOC 1L5BX in lieu of 115xx).

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2000 W. Ameritech Center Drive
Hoffman Estates, Illinois 60196-1025

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.7 Mileage Measurement (Cont'd)

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When a customer orders DAL service to connect originating WATS traffic to Feature Group D switched access service, and the serving wire center which serves the end user's premises is a WATS serving office but is not equipped for equal access (e.g., FGD and specialized WATS screening), the DAL will be provided to a WATS serving office which has equal access capabilities and the channel mileage charges will not apply. Upon notification that the nonconforming WATS serving office will be converted to an equal access end office, the customer may request that the DAL be moved. If the customer request is submitted within thirty days of the equal access conversion, with an effective date within ninety days of conversion, the nonrecurring charge will not apply. If the DAL service is not moved within the above interval the appropriate channel mileage charges will apply beginning on the ninety-first day after conversion.

In the event that a WATS serving office lacks sufficient capacity for the additional traffic carried by the DAL, the Telephone Company may extend the DAL to another WATS serving office which has sufficient capacity for the additional traffic and channel mileage charges not apply. If capacity becomes available later at the normal WATS serving office, the channel mileage charges will still not apply.

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Hoffman Estates, Illinois 60196-1025

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.8 Facility Hubs

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A customer has the option of ordering direct analog, Ameritech DS1 or Ameritech DS3 facilities (i.e., Group,* Supergroup, Mastergroup, Ameritech DS1 or Ameritech DS3) 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. Hub locations (Wire Centers) may be further designated as Intermediate and Terminus Hubs as set forth in 2.6 preceding. When ordering, the customer will specify the desired multiplexing Hub(s) selected from the Exchange Carrier Association Tariff F.C.C. No. 4. This tariff identifies the type(s) of multiplexing functions which are available and the serving wire centers where they are available.

Some of the types of multiplexing available include the following:

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

End to end services may be provided on channels of these facilities to a Hub. The transmission performance for the end to end service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is multiplexed to voice frequency channels, the transmission performance of the channelized services will be Direct Analog Service, not Ameritech DS1 Service.

* Wideband Analog and Wideband Data are limited to circuits in place as of August 11, 1988.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.8 Facility Hubs

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The Telephone Company will commence billing the monthly rate for the facility to the Hub on the date specified by the customer on the Access Order. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the Hub, or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a Direct Analog Service, Ameritech DS1 or Ameritech DS3 Local Distribution Channel, Channel Mileage Terminations and Channel Mileage (when applicable), and the multiplexer at the time the facility is installed. Individual service rates (by service type) will apply for a Local Distribution Channel and additional Channel Mileage Terminations and Channel Mileage (as required) for each channelized service. These will be billed to the customer as each individual service is installed.

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Hoffman Estates, Illinois 60196-1025

ACCESS SERVICE**7. Special Access Service (Cont'd)****7.4 Rate Regulations (Cont'd)****7.4.8 Facility Hubs (Cont'd)**

T

Cascading multiplexing occurs when an analog, Ameritech DS1 or Ameritech DS3 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 Supergroup facility is de-multiplexed to five Group facilities and then one of the Group 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 Termination and Channel Mileage charges also apply between the Hubs.

Although not requiring multiplexing, the Telephone Company will designate certain Hubs for Video and Program Audio Services. A customer can order full-time and/or part-time services(s) between customer designated premises and a Hub and will be billed accordingly at the rates set forth in 7.5.4 or 7.5.5 following for a full-time or part-time service, as appropriate. At the request of a customer, the full-time and/or part-time services provided to the Hub may be connected together in the following configurations; full-time to full-time, full-time to part-time or part-time to part-time. The customer will be charged for each such connection made at the rates for Other Labor as set forth in 13.2.6(C) following. The rates that apply for the service between each customer designated premises and the Hub are a Local Distribution Channel and Channel Mileage Terminations and Channel Mileage, if applicable. In addition, for Program Audio Services, rates for optional features and functions may be applicable.

(TR756)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.9 Shared Use

Shared use occurs when Special Access Service and Switched Access Service are provided over the same Wideband Analog* or Ameritech DS1 or DS3 facilities or SONET based services through a common interface. The facility will be ordered, provided and rated as Special Access Service (e.g., Local Distribution Channel, DS3 Service Packages, DS3 Service Channels, Channel Mileage Terminations and Channel Mileage, as appropriate, and Multiplexing). The nonrecurring charge that applies when the Shared Use Facility is installed will be the nonrecurring charge associated with the installation of the appropriate Special Access Wideband Analog or DS1 or DS3 facility or SONET based service. 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 Direct Transport Service from the office where multiplexing occurs to either an end office or an access tandem. (T)

* Wideband Analog Service is limited to circuits in place as of August 11, 1988.

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ACCESS SERVICE**7. Special Access Service (Cont'd)****7.4 Rate Regulations (Cont'd)****7.4.9 Shared Use (Cont'd)**

When a customer designates a channel for Direct Transport Service on a Wideband Analog* or Ameritech DS1 or Ameritech DS3 Shared Use Facility, as each individual Direct Transport Service (i.e., LT-1 Direct Transport) is activated the Special Access Local Distribution Channel, Channel Mileage Termination, Channel Mileage, Service Package, Service Channel and Multiplexing rates will be reduced accordingly (i.e., 1/28th for an Ameritech DS3 Service). While Shared Use of SONET facilities (i.e., Ameritech OC-3, OC-12 and OC-48 Service, Ameritech OC-3, OC-12 and OC-48 Dedicated Ring and SONET Xpress Service) for Switched Access Direct Transport is permitted, the SONET Special Access facilities continue to be rated as Special Access. The customer must place an order for each individual Direct Transport Service or Special Access Service utilizing the Shared Use Facilities and specify the channel assignment for each such service. (T)

Switched Access Service rates and charges as set forth in 6.9 preceding will apply for each channel of the Shared Use Facility that is used to provide Switched Access Service, except for those nonrecurring charges waived under The Switched Optimization Plan as set forth in Section 6.8.2(C)(4). (T)

Direct Transport rates and charges as set forth in 6.9.6 preceding, will apply for each Direct Transport service activated on the Shared Use Facility. Direct Transport Channel Mileage will be measured between the office where multiplexing occurs and the end office or access tandem. (T)

Where Special Access Service is provided utilizing a channel of the Shared Use Facility to the Hub, Wideband Analog, Ameritech DS1 or Ameritech DS3 rates and charges will apply for the facility to the Hub as set forth preceding and individual service rates and charges will apply from the Hub to the customer designated premises. The rates and charges that will apply to the portion from the Hub to the customer designated premises will be dependent on the specific type of Special Access Service that is provided (e.g., Direct Analog, Telegraph, etc.). The applicable rates and charges will include a Local Distribution Channel and two Channel Mileage Terminations and Channel Mileage, if applicable. Rates and charges for optional features and functions associated with the service, if any, will apply as set forth in 7.5 following. (T)

* Wideband Analog Service is limited to circuits in place as of August 11, 1988.

ACCESS SERVICE

7. Special Access Service (cont'd)

7.4 Rate Regulations (cont'd)

7.4.10 Optional Payment Plan (OPP) for Base Rate, DS1, DS3, OC-3, OC-12, OC-48 Services, TV Analog Video Services, Digital Video Service, Supertrunking Video Services, Multichannel Video Service, SONET Xpress Service, Wideband Analog Video Service, and Serial Component Video Service.

(A) General

The Optional Payment Plan is a provision that allows a customer to select Base Rate, DS1, DS3, TV Analog Video Service, Digital Video Service, Multichannel Video Service (AMVS), Serial Component Video Service (SCVS), OC-3, OC-12 and OC-48 Services (excluded DS1 - 128.0, 256.0, 384.0, 512.0 and 768.0 Kbps transport) and SONET Xpress, over a 12, 24, 36, 48 or 60 month payment period. Wideband Analog Video Service (WAVS) is available with 12, 36 and 60 month payment periods; and Supertrunking Video Service (ASVS) is available with 12, 36, 60 and 84 month payment periods. Monthly rates for services installed under this Payment Plan will change as Telephone Company initiated rate changes become effective but during the OPP term will not exceed the monthly rate in effect at the beginning of the customer's OPP term.*

(N)

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

Supertrunking Video Service, Multichannel Video Service, TV Analog Video Service, Digital Video Service, Wideband Analog Video Service and Serial Component Video Service, rates and charges for which the OPP is available are listed in 7.5.5 following. Base Rate, DS1, and DS3 Service rates and charges for which the OPP is available are listed in 7.5.9 and OC-3, OC-12 and OC-48 service rates and charges for which OPP is available are listed in 7.5.10 following and SONET Xpress Service rates and charges for which OPP is available are listed in 7.5.12 following.

Customers subscribing to the OPP will be subject to nonrecurring charges ⁽¹⁾ as specified in 7.5.13 for installation and rearrangements of service covered by the plan. The nonrecurring charges will not be spread over the OPP term. If the customer subscribes to the OPP on an existing service with no other changes, no nonrecurring charges will apply.

* For DS3 customers under an OPP as of August 4, 1992, the sum of the rates for the Service Package and Service Channels will not exceed, for the remainder of the OPP term, the rate in effect at the beginning of the customer's OPP Term.

(1) For Services ordered under MVP, refer to Section 19.3(E)(5).

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

- 7.4.10 Optional Payment Plan (OPP) for Base Rate, DS1, DS3, OC-3, OC-12, OC-48 Services, (T)
TV Analog Video Services, Digital Video Service, Supertrunking Video Services, (T)
Multichannel Video Service, SONET Express Services, Wideband Analog Video Service (T)
and Serial Component Video Service (Cont'd)

(A) General (Cont'd)

At the expiration of the OPP term and if the customer wishes to continue Base Rate, DS1, DS3, TV Analog Video Service, Digital Video Service, ASVS, AMVS, WAVS, SCVS, OC-3, OC-12, OC-48 or SONET Xpress Service, the customer may select a new OPP at the prevailing OPP rate. If a customer does not wish to renew the OPP at the expiration of the term, the customer's service will automatically convert to month-to-month or DS3, Dedicated Ring Service or SONET Xpress Monthly Extension rates. (T)

(B) Prepayment of an OPP

A customer may, at any time during an OPP term, elect to prepay the remaining monthly charges for the rest of the term. The prepayment amount will be adjusted for the time value of money. Recurring charges will cease for the rest of the term and start up again at the end of the OPP if service has not been disconnected. If prepayment has been elected and the service is discontinued prior to the end of the OPP term, a credit for the unused portion of the OPP term, adjusted for the time value of money, will be given to the customer. Termination charges will still be applicable. Once a customer selects the prepayment option, the prepaid amount is not adjusted for company initiated rate changes that occur during the period for which the customer has prepaid. (T)

(C) OPP Termination Liabilities

Customers requesting termination of service prior to the expiration date of the OPP term will be liable for a termination charge. The termination charge for all OPP terms, except for Base Rate OPP terms subscribed to after October 8, 1997, DS1 and DS3 OPP terms subscribed to after February 20, 1997 and DS3 Service Packages with an Optical Interface (see 7.4.10 C(i)), will be calculated as follows: (T)

The dollar difference between the current OPP rate for the OPP term that could have been completed during the time the service was actually in service, or the monthly rate for services in place less than 12 months, and the customer's current OPP rate for each month the service was provided. (T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

- 7.4.10 Optional Payment Plan (OPP) for Base Rate, DS1, DS3, OC-3, OC-12, OC-48 Services, (T)
 TV Analog Video Services, Digital Video Service, Supertrunking Video Services, (T)
 Multichannel Video Service, SONET Express Services, Wideband Analog Video Service (T)
 and Serial Component Video Service (Cont'd)

C. OPP Termination Liabilities (Cont'd)

For example, a customer subscribed to a 60 month OPP term and disconnected service during the 37th month. This customer's termination charge would be:

$$[36 \text{ month OPP Rate} - 60 \text{ month OPP rate}] \times 37 = \text{Termination Charge.}$$

The 36 month OPP term could have been completed during the months the service was actually in service.

All recurring rate termination charges will be based on the recurring OPP rates in effect at the time of termination.

Termination Liability charges for all OPP terms including DS3 Service that have been initiated prior to August 29, 1992 may, at the customer's request, be charged as described above or pay a percentage of the monthly charges for the remainder of the term as indicated below: (T)

OPP Terms in Months	Termination Percentage
12	85
36	75
60	60

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ACCESS SERVICE

7. Special Access Service (cont'd)

7.4 Rate Regulations (cont'd)

- 7.4.10 Optional Payment Plan (OPP) for Base Rate, DS1, DS3, OC-3, OC-12, OC-48 (T)
- Services, TV Analog Video Services, Digital Video Service, Supertrunking Video (T)
- Services, Multichannel Video Service, SONET Express Services, Wideband Analog (T)
- Video Service and Serial Component Video Service (cont'd)

(C) OPP Termination Liabilities (cont'd)

- (i) Except for DS1 and DS3 OPP terms subscribed to under the OPP Renewal Program as described in 17.2(6) following, the termination charges for Base Rate OPP terms subscribed to after October 8, 1997, DS1 and DS3 OPP terms subscribed to after February 20, 1997, and DS3 Service Packages, discontinued prior to the expiration of the selected OPP term will be calculated as follows: (T)

(a) Service discontinued in 1st through 11th month:

(1) DS3 Service Packages with an Optical Interface

$(.85 \times 12 \text{ Mo. OPP rate} \times [12 - \text{number of Months in service}]) + ([12 \text{ Mo. OPP rate} - \text{subscribed to OPP rate}] \times \text{number of Months in service})$

For example: A customer subscribed to a 36 month OPP term and disconnected service at the end of the fifth month. This customer's termination charge would be:

$(.85 \times 12 \text{ Mo. OPP rate} \times [12 - 5 \text{ Mos}]) + ([12 \text{ Mo. OPP rate} - 36 \text{ Mo OPP rate}] \times 5 \text{ Mos})$

(2) Base Rate, DS1 and DS3 rate elements other than Service Packages (T)

$(.40 \times 12 \text{ Mo. OPP rate} \times [12 - \text{number of Months in service}]) + ([12 \text{ Mo. OPP rate} - \text{subscribed to OPP rate}] \times \text{number of Months in service})$

For example: A customer subscribed to a 36 month OPP term and disconnected service at the end of the fifth month. This customer's termination charge would be:

$(.40 \times 12 \text{ Mo. OPP rate} \times [12 - 5 \text{ Mos}]) + ([12 \text{ Mo. OPP rate} - 36 \text{ Mo OPP rate}] \times 5 \text{ Mos})$

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One SBC Plaza, Dallas, Texas 75202

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ACCESS SERVICE

7. Special Access Service (cont'd)

7.4 Rate Regulations (cont'd)

- 7.4.10 Optional Payment Plan (OPP) for Base Rate, DS1, DS3, OC-3, OC-12, OC-48 (T)
Services, TV Analog Video Services, Digital Video Service, Supertrunking Video (T)
Services, Multichannel Video Service, SONET Express Services, Wideband Analog (T)
Video Service and Serial Component Video Service (cont'd)

(C) OPP Termination Liabilities (cont'd)

(b) Service discontinued in 12th through 60th month:

The dollar difference between the current OPP rate for the OPP term that could have been completed during the time the service was actually in service, and the customer's current OPP rate for each month the service was provided.

Termination liability for services provided under the Volume Pricing Plan (VPP) for DS3 LDCs with an Electrical Interface as described in 7.4.10 I following, will be calculated prior to the application of any volume discounts associated with the plan.

Except as provided in 7.4.10 D following, any customer terminating a DS1 service that was installed after February 20, 1997, or a DS3 service that was installed after June 10, 1998, before the expiration of the term under which it was installed shall also be liable for a nonrecurring termination charge. The nonrecurring termination charge will be the dollar difference between the nonrecurring charge for an OPP term that could have been completed during the time the service was actually in service, or the nonrecurring charge associated with the minimum service period for services in place less than 12 months, and the nonrecurring charge the customer actually paid.

(D) Conversion of service to New OPP, Higher Speed, or SONET Xpress Service

During a customer's OPP term, conversion may be made to a new OPP term of the same or different length or to a higher speed service or to the same or higher speed SONET Xpress service. If the expiration date for the new service or OPP term is beyond the end of the original OPP term, the remaining OPP charges and any nonrecurring termination charges for the original term will not apply. If no physical changes are made to the service, the Administrative Charge, the Design and Central Office Connection Charge and the Customer Connection Charge will not apply.

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ACCESS SERVICE

7. Special Access Service (cont'd)

7.4 Rate Regulations (cont'd)

- 7.4.10 Optional Payment Plan (OPP) for Base Rate, DS1, DS3, OC-3, OC-12, OC-48 (T)
- Services, TV Analog Video Services, Digital Video Service, Supertrunking Video (T)
- Services, Multichannel Video Service, SONET Express Services, Wideband Analog (T)
- Video Service and Serial Component Video Service (cont'd)

(E) Moves

(i) DS1 Service and Base Rate Service

During an OPP term a customer may move one Local Distribution Channel (LDC) of an DS1 or Base Rate service to another location in the same LATA and keep the OPP in force, provided no lapse in service occurs. Nonrecurring charges for the move will be based on the customer's existing OPP term. (T)

During an OPP term, a customer may purchase a Local Channel Diversity Arrangement or an Interwire Center Diversity Arrangement (described in Section 11.1.1) and move an in-service DS1 or Base Rate Service to one of these arrangements while keeping the OPP in force, provided the customer's premises and serving wire center remain the same and no lapse in service occurs. (T)

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ACCESS SERVICE

7. Special Access Service (cont'd)

7.4 Rate Regulations (cont'd)

- 7.4.10 Optional Payment Plan (OPP) for Base Rate, DS1, DS3, OC-3, OC-12, OC-48 (T)
Services, TV Analog Video Services, Digital Video Service, Supertrunking Video (T)
Services, Multichannel Video Service, SONET Express Services, Wideband Analog (T)
Video Service and Serial Component Video Service (cont'd)

(E) Moves (cont'd)

(ii) DS3 Service

During an OPP term, a customer may move one end of an DS3 Service to another location within the same LATA without incurring termination charges, as described in G following, provided the following conditions are met: (T)

- The DS3 Service has satisfied the twelve month minimum service period requirement at the old location,
- for DS3 Service Channels with an Optical Interface, the number of DS3 Service Channels with an Optical Interface at the new location must be the same or greater than the number of DS3 Service Channels with an Optical Interface being discontinued at the old location,
- the customer subscribes to a new OPP term at the new location that is equal to, or greater than the remaining period of the OPP term being discontinued at the old location and,
- no lapse in service occurs.

A new twelve month minimum service period requirement will apply to the DS3 Service at the new location. The monthly rates for the new service will be those rates in effect at the time the new service is installed.

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ACCESS SERVICE

7. Special Access Service (cont'd)

7.4 Rate Regulations (cont'd)

- 7.4.10 Optional Payment Plan (OPP) for Base Rate, DS1, DS3, OC-3, OC-12, OC-48 (T)
Services, TV Analog Video Services, Digital Video Service, Supertrunking Video (T)
Services, Multichannel Video Service, SONET Express Services, Wideband Analog (T)
Video Service and Serial Component Video Service (cont'd)

(F) ANRS

During a customer's OPP term, a customer may elect to include an DS3, DS1 or (T)
an Base Rate service into the customer's Network Reconfiguration Service (T)
(ANRS) database. The customer may opt to convert to a new OPP term of the
same or different length or to continue the current OPP term to the original
expiration date. If the expiration date for the new OPP term is beyond the end of
the original OPP term, termination charges for the original term will not apply.
Adding an existing service to the customer's ANRS database requires that all
nonrecurring charges applicable to the installation of the service apply.

(G) DS3 Service Package with an Optical Interface Upgrade

During a customer's OPP term, conversion may be made from one DS3 Service (T)
Package with an Optical Interface to another larger package (e.g., DS3012 to
DS3024) for a new OPP term of the same or different length. If the expiration
date of the new OPP term is beyond the end of the original OPP term, termination
charges will not apply to the original OPP term.

Monthly Extension rates for DS3 Service will apply only after a customer has (T)
completed an OPP term or an ICB minimum period.

(H) Moving Services from an OPP Term to a DCP Term

Customers may terminate Optional Payment Plans for Base Rate and DS1 (T)
services in states where they have effective Discount Commitment Program terms
for those services. Upon termination of these Optional Payment Plans, the
services will begin being billed DCP (as described in 7.4.13 following) rates
subject to the DCP terms and conditions. No termination liability charges will be
applied to services that move from an OPP term to a DCP term.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Optional Payment Plan (OPP) for Base Rate, DS1, DS3, OC-3, OC-12, OC-48 Services, TV Analog Video Services, Digital Video Service, Supertrunking Video Services, Multichannel Video Service, SONET Express Services, Wideband Analog Video Service and Serial Component Video Service (Cont'd) (T)
(T)
(T)

(l) Volume Pricing Plan for DS3 Local Distribution Channels with an Electrical Interface (T)

(1) General

The Volume Pricing Plan (VPP) will be grandfathered as of January 11, 2002. Customers with OPPs on order or in effect prior to Jan 11, 2002, will continue to receive the VPP until the expiration of their OPP term. The VPP will not be available with OPPs that are ordered on or after January 11, 2002.

The Volume Pricing Plan (VPP) for DS3 Local Distribution Channels (LDCs) with an Electrical Interface (EI) provides rate discounts to customers based on the number of DS3 LDCs with an EI provided to the customer's designated premises and the Optional Payment Plan term selected by the customer.

The following volume discounts, shown in terms of percentage discounts, will be applied to DS3 LDC rates as specified in 7.5.9 (C) (1) (a) following. The volume discount will be based on the OPP term selected by the customer and the number of DS3 LDCs with an Electrical Interface provided to the same customer designated premises and will be provided as a credit on the customers monthly bill.

Volume Discount Band	DS3 LDC Quantity	Volume Discount Percentage Optional Payment Plan Term		
		12 and 24 Month	36 and 48 Month	60 Month
A	2	19.5%	2.4%	2.3%
B	3 to 5	23.6%	5.8%	5.5%
C	6 to 11	30.6%	8.5%	12.6%
D	12 to 23	41.8%	25.2%	25.2%
E	24 or more	52.4%	38.0%	33.8%

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Optional Payment Plan (OPP) for Base Rate, DS1, DS3, OC-3, OC-12, OC-48
Services, TV Analog Video Services, Digital Video Service, Supertrunking Video
Services, Multichannel Video Service, SONET Express Services, Wideband Analog
Video Service and Serial Component Video Service (Cont'd) (T)
(T)
(T)

(l) Volume Pricing Plan for DS3 Local Distribution Channels with an Electrical Interface
(Cont'd) (T)

(1) General (Cont'd)

At the end of each monthly billing period, billing for DS3 LDCs with an EI that are provided under an OPP term will be adjusted via a billing credit. The monthly credit will be developed by determining the number of DS3 LDCs with an EI provided to the customer's designated premises, along with their associated OPP payment term, in service at the end of the monthly billing period. The preceding discount percentages will be applied to all of the customer's DS3 LDCs with a EI that are provided under the same OPP term, and billed to the same customer billing account and will be provided as a credit to the customer's monthly DS3 billing.

(2) Regulations

All of the customers in service DS3 LDCs with an EI provided under an OPP term, (both interstate access and intrastate access), along with all of the customer's LT-3 Entrance Facilities with an EI provided under an OPP term, as described in Section 6.8.2(D)(6)(g) preceding, will be used to determine the Volume Discount Band applicable for that monthly billing period.

When a customer has DS3 LDCs with an EI provided under different OPP payment terms, each OPP payment term will be administered separately and a Volume Discount Band will be determined for each OPP term based on the customers in service quantities for that term.

When there is more than one DS3 Local Distribution Channel termination location at the customer designated premises, each location will be administered separately and a Volume Discount Band(s) will be determined based on the DS3 Local Distribution Channel OPP term(s) at that location.

When the customer has elected the Prepayment of an OPP option as described in 7.4.10 B preceding, prepaid DS3 LDCs with an EI will be included in the monthly count of DS3 LDCs with an EI in order to determine the Volume Discount Band applicable for that monthly billing period, however, only non-prepaid DS3 LDCs with an EI will be discounted under the VPP.

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Optional Payment Plan (OPP) for Base Rate, DS1, DS3, OC-3, OC-12, OC-48 Services, TV Analog Video Services, Digital Video Service, Supertrunking Video Services, Multichannel Video Service, SONET Express Services, Wideband Analog Video Service and Serial Component Video Service (Cont'd) (T)
(T)
(T)

(l) Volume Pricing Plan for DS3 Local Distribution Channels with an Electrical Interface (Cont'd) (T)

(3) Conversion of DS3 Service Package and Service Channels in service prior to October 15, 1999

Except for DS3 Service Packages with an EI provided under OPP Vintage Rates as specified in 7.5.16 following, all DS3 Service Packages and Service Channels with an EI in service as of October 15, 1999, will be converted to individual DS3 LDCs with an EI. DS3 LDCs with an EI that are converted from a DS3 Service Package will be converted to the same OPP payment term, and retain the same expiration date as the Service Package. All terms and conditions described above related to the VPP will apply to converted DS3 LDCs.

(i) Conversion Credit for Converted DS3 LDCs

When a converted DS3 LDC rate under the VPP is higher than its equivalent rate under the discontinued Service Package structure, the customer will be given a one time credit, as shown following, based on the difference between what the customer would have paid under the Service Package structure and what the customer will pay under the VPP. The credit will be equal to the difference between the monthly rate for the Service Package, with activated DS3s, and the VPP rate for the same number of DS3s, times the number of months remaining in the customer's OPP term.

For example: assume that 10 converted DS3s were part of a former DS3L Service Package with 10 DS3s activated and the Service Package was located in a rate zone 3 wire center under a 60 month OPP term with six months remaining on the OPP term. The DS3 Conversion Credit will be calculated as follows:

$\$415.42$ (DS3 conversion credit for a rate zone 3 DS3L Service Package with 10 activated DS3s provided under a 60 month OPP term) X 6 (months remaining on the OPP term) = $\$2,492.52$ (Conversion Credit)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Optional Payment Plan (OPP) for Base Rate, DS1, DS3, OC-3, OC-12, OC-48 Services, TV Analog Video Services, Digital Video Service, Supertrunking Video Services, Multichannel Video Service, SONET Express Services, Wideband Analog Video Service and Serial Component Video Service (Cont'd) (T)
(T)
(T)

(l) Volume Pricing Plan for DS3 Local Distribution Channels with an Electrical Interface (Cont'd) (T)

(3) Conversion of DS3 Service Package and Service Channels in service prior to October 15, 1999 (Cont'd)

Any customer terminating a DS3 LDC that was provided a DS3 Conversion Credit before the expiration of the OPP term under which it was converted shall be liable for a Conversion Credit termination charge. The Conversion Credit termination charge for each DS3 LDC terminated shall be equal to the monthly DS3 Conversion Credit originally provided to the customer, divided by the number of activated DS3s in the original Service Package times the number of months remaining in the customer's OPP term.

For example: Assume that 1 DS3 Local Distribution Channel, which is part of a former DS3L Service Package with 10 activated DS3s located in a rate zone 3 wire center under a 60 month OPP term, is discontinued 3 months before the expiration of its OPP term. The Conversion Credit termination charge will be calculated as follows:

$\$415.42$ (monthly conversion credit for a DS3L Service Package with 10 activated DS3s in a rate zone 3 wire center under a 60 month OPP term) /10 (number of converted DS3s) = $\$41.54$ (Conversion Credit for 1 DS3) x 3 (number of months remaining in the customers 60 month OPP term) = $\$124.62$ (Conversion Credit termination charge).

The following one time DS3 Conversion Credit amounts, times the number of months remaining in the OPP term, apply to converted DS3 LDCs:

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Optional Payment Plan (OPP) for Base Rate, DS1, DS3, OC-3, OC-12, OC-48 Services, TV Analog Video Services, Digital Video Service, Supertrunking Video Services, Multichannel Video Service, SONET Express Services, Wideband Analog Video Service and Serial Component Video Service (Cont'd)

(I) Volume Pricing Plan for DS3 Local Distribution Channels with an Electrical Interface (Cont'd)

(3) Conversion of DS3 Service Package and Service Channels in service prior to October 15, 1999 (Cont'd)

(i) Conversion Credit for Converted DS3 LDCs

DS3 Service Package - 12 Month OPP	Conversion Credit		
	Zone 1	Zone 2	Zone 3
-DS3B Activated DS3s			
- 2	-	-	\$ 46.06
-DS3C Activated DS3s			
- 3	-	-	74.06
-DS3F Activated DS3s			
- 6	-	\$ 1.90	160.02
-DS3L Activated DS3s			
- 10	\$ 541.80	675.66	1,016.70
- 11	1,855.98	2,037.73	2,548.37
- 12	-	-	310.12
-DS3X Activated DS3s			
- 18	-	-	435.18
- 19	813.26	1,051.26	1,652.69
- 20	1,850.80	2,128.96	2,870.20
- 21	2,888.34	3,206.66	4,087.71
- 22	3,925.88	4,284.36	5,305.22
- 23	4,963.42	5,362.05	6,522.73
- 24	-	-	604.32

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Optional Payment Plan (OPP) for Base Rate, DS1, DS3, OC-3, OC-12, OC-48 Services, TV Analog Video Services, Digital Video Service, Supertrunking Video Services, Multichannel Video Service, SONET Express Services, Wideband Analog Video Service and Serial Component Video Service (Cont'd)

(T)
(T)
(T)

(l) Volume Pricing Plan for Ameritech DS3 Local Distribution Channels with an Electrical Interface (Cont'd)

(T)

(3) Conversion of DS3 Service Package and Service Channels in service prior to October 15, 1999 (Cont'd)

(i) Conversion Credit for Converted DS3 LDCs (Cont'd)

DS3 Service Package - 24 Month OPP	Zone 1	Conversion Credit Zone 2	Zone 3
-DS3B Activated DS3s			
- 2	\$ 247.60	\$ 259.98	\$ 285.70
-DS3C Activated DS3s			
- 3	429.72	451.66	497.04
-DS3F Activated DS3s			
- 5	297.20	319.76	363.40
- 6	640.24	682.75	763.68
-DS3L Activated DS3s			
- 8	-	23.34	63.24
- 9	1,093.36	1,162.63	1,293.02
- 10	2,192.40	2,301.92	2,522.80
- 11	3,291.44	3,441.21	3,752.58
- 12	1,487.44	1,599.51	1,797.08
-DS3X Activated DS3s			
- 16	325.92	420.02	554.44
- 17	1,183.04	1,310.89	1,518.78
- 18	2,040.16	2,291.77	2,483.12
- 19	2,897.28	3,092.64	3,447.46
- 20	3,754.40	3,983.52	4,411.80
- 21	4,611.52	4,874.40	5,376.14
- 22	5,468.64	5,765.27	6,340.48
- 23	6,325.76	6,656.15	7,304.82
- 24	1,687.84	1,904.43	3,239.88

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Optional Payment Plan (OPP) for Base Rate, DS1, DS3, OC-3, OC-12, OC-48 Services, TV Analog Video Services, Digital Video Service, Supertrunking Video Services, Multichannel Video Service, SONET Express Services, Wideband Analog Video Service and Serial Component Video Service (Cont'd)

(T)
(T)
(T)

(I) Volume Pricing Plan for DS3 Local Distribution Channels with an Electrical Interface (Cont'd)

(T)

(3) Conversion of DS3 Service Package and Service Channels in service prior to October 15, 1999 (Cont'd)

(i) Conversion Credit for Converted DS3 LDCs (Cont'd)

DS3 Service Package - 36 Month OPP	Conversion Credit		
	Zone 1	Zone 2	Zone 3
-DS3B Activated DS3s			
- 2	-	\$.55	\$.30
-DS3C Activated DS3s			
- 3	-	-	.45
-DS3L Activated DS3s			
- 9	\$ 74.93	230.74	-
- 10	823.25	1,021.15	784.20
- 11	1,571.58	1,811.57	1,602.62
-DS3X Activated DS3s			
- 18	247.32	551.66	179.47
- 19	786.06	1,124.81	772.78
- 20	1,324.80	1,697.96	1,366.08
- 21	1,863.54	2,271.11	1,959.38
- 22	2,402.28	2,844.26	2,552.69
- 23	2,941.02	3,417.40	3,145.99

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Optional Payment Plan (OPP) for Base Rate, DS1, DS3, OC-3, OC-12, OC-48 Services, TV Analog Video Services, Digital Video Service, Supertrunking Video Services, Multichannel Video Service, SONET Express Services, Wideband Analog Video Service and Serial Component Video Service (Cont'd)

(T)
(T)
(T)

(I) Volume Pricing Plan for Ameritech DS3 Local Distribution Channels with an Electrical Interface (Cont'd)

(T)

(3) Conversion of DS3 Service Package and Service Channels in service prior to October 15, 1999 (Cont'd)

(i) Conversion Credit for Converted DS3 LDCs (Cont'd)

DS3 Service Package - 48 Month OPP	Conversion Credit		
	Zone 1	Zone 2	Zone 3
-DS3B Activated DS3s			
- 2	\$ 20.57	-	\$ 27.49
-DS3F Activated DS3s			
- 6	45.66	\$ 34.98	2.31
-DS3L Activated DS3s			
- 9	158.49	145.47	103.47
- 10	796.10	802.30	803.85
- 11	1,433.71	1,459.13	1,504.24
-DS3X Activated DS3s			
- 18	58.18	73.92	42.62
- 19	506.41	537.86	539.43
- 20	954.64	1,001.80	1,036.24
- 21	1,402.87	1,465.74	1,533.05
- 22	1,851.10	1,929.68	2,029.86
- 23	2,299.34	2,393.62	2,526.68

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Optional Payment Plan (OPP) for Base Rate, DS1, DS3, OC-3, OC-12, OC-48 Services, TV Analog Video Services, Digital Video Service, Supertrunking Video Services, Multichannel Video Service, SONET Express Services, Wideband Analog Video Service and Serial Component Video Service (Cont'd) (T)

(l) Volume Pricing Plan for Ameritech DS3 Local Distribution Channels with an Electrical Interface (Cont'd) (T)

(3) Conversion of DS3 Service Package and Service Channels in service prior to October 15, 1999 (Cont'd)

(i) Conversion Credit for Converted DS3 LDCs (Cont'd)

DS3 Service Package - 60 Month OPP	Conversion Credit		
	Zone 1	Zone 2	Zone 3
-DS3B Activated DS3s			
- 2	-	-	\$.18
-DS3C Activated DS3s			
- 3	-	-	.30
-DS3F Activated DS3s			
- 6	-	\$.49	-
-DS3L Activated DS3s			
- 9	-	47.24	-
- 10	\$ 399.92	558.82	415.42
- 11	880.91	1,070.40	946.96
- 12	-	4.97	-
-DS3X Activated DS3s			
- 19	-	248.12	6.60
- 20	329.68	628.28	401.68
- 21	683.66	1,008.44	796.76
- 22	1,037.65	1,388.61	1,191.85
- 23	1,391.63	1,768.77	1,586.93

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Optional Payment Plan (OPP) for Base Rate, DS1, DS3, OC-3, OC-12, OC-48 Services, TV Analog Video Services, Digital Video Service, Ameritech Supertrunking Video Services, Multichannel Video Service, SONET Express Services, Wideband Analog Video Service and Serial Component Video Service (Cont'd) (T)

(I) Volume Pricing Plan for DS3 Local Distribution Channels with an Electrical Interface (Cont'd) (T)

(3) Conversion of DS3 Service Package and Service Channels in service prior to October 15, 1999 (Cont'd)

(ii) Termination Liability for Converted DS3 LDCs

Customers requesting termination of converted DS3 LDCs with an EI prior to the expiration date of the original OPP term may be liable for a termination charge. The termination charge for all OPP terms will be calculated as follows:

If the terminated DS3 LDC was a former DS3 Service Package with a capacity of one, the termination liability will be calculated as described in 7.4.10 C, preceding.

If the terminated DS3 LDC was part of a former DS3 Service Package with a capacity of more than one, and the terminated DS3 LDC will not bring the total number of DS3 LDCs remaining under the minimum required for the Service Package, as shown following, no termination liability will apply. If the terminated DS3 LDC will bring the total number of DS3 LDCs remaining under the minimum required for the Service Package, termination liability will be calculated as described in 7.4.10(C) preceding.

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Optional Payment Plan (OPP) for Base Rate, DS1, DS3, OC-3, OC-12, OC-48 Services, TV Analog Video Services, Digital Video Service, Supertrunking Video Services, Multichannel Video Service, SONET Express Services, Wideband Analog Video Service and Serial Component Video Service (Cont'd) (T)
 (T)
 (T)

(I) Volume Pricing Plan for DS3 Local Distribution Channels with an Electrical Interface (Cont'd) (T)

(3) Conversion of DS3 Service Package and Service Channels in service prior to October 15, 1999 (Cont'd)

(ii) Termination Liability for Converted DS3 LDCs (Cont'd)

For example, if 4 DS3s were part of a former DS3F Service Package and 1 of the DS3s is terminated prior to the expiration date of the original Service Package OPP term, no termination liability will apply. However, if an additional DS3 is terminated prior to the expiration date of the original Service Package OPP term, and the customer's total number of DS3s billed under the same OPP term falls below the minimum requirement for the former Service Package (i.e., less than 3 DS3s for a DS3F Service Package) termination liability for the terminated DS3 will be calculated as described in 7.4.10(C) preceding.

DS3 Service Package With Electrical Interface	Minimum Required DS3 LDCs	Maximum Available DS3 LDCs
DS3B	1	2
DS3C	1	3
DS3F	3	6
DS3L	7	12
DS3X	13	24

(This page filed under Transmittal No. 1357)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.11 Fiber Hubs for DS1 or DS3 Services

A customer has the option of ordering DS3, DS1 (excluding DS1 - 128.0, 256.0, 384.0, 512.0 and 768.0 Kbps transport) Base Rate or Direct Analog services to terminate in a Fiber Hub for cross-connection to another service of the same speed. Fiber Hub locations are specified in National Exchange Carrier Association Tariff F.C.C. No. 4.

(N)

When a customer orders a service terminating in a Fiber Hub, the service is installed, and service parameters are measured from the customer designated premises to the Fiber Hub. When this service is subsequently cross-connected to another service, the two cross-connected services are treated separately for service performance measurement and service interruption credit purposes. For example, if Customer A cross-connects to Customer B's service at a Fiber Hub, and Customer B's service is subsequently interrupted, the Telephone Company will credit only Customer B for the service interruption.

DS1 channels from two multiplexed DS3 services may be cross-connected at the Fiber Hub. The customer must provide the DS3 system and channel assignment information for the DS1 channels.

(This page filed under Transmittal No. 1390)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.12 Shared Network Arrangement

Each customer entering into a Shared Network Arrangement is solely responsible to the Telephone Company for charges associated with **that customer's portion** of the shared network. Disconnection of service by the Host Subscriber does not relieve another user of the network of any obligation to pay access charges associated with the portion of the shared network to which that user subscribes. Billing for services and facilities will continue until a disconnect request from the Service User has been received by the Telephone Company. The Host Subscriber is solely responsible for notifying the connecting Service User in the event of disconnection of the Host service which affects that portion of the shared network service to which the Service User has subscribed.

For administrative purposes, one "Arrangement" under the Shared Network Arrangement offering shall be limited to the agreement between one Host Subscriber and one Service User permitting the Service User to connect a specified number of subtending circuits to one specified multiplexer on the Host's service. Agreements between one Host Subscriber and two (or three, etc.) Service Users shall be deemed to comprise two (or three, etc., respectively) separate "Arrangements". However, an agreement to expand the scope of an existing Arrangement by subsequently increasing the number of subtending circuits on the same multiplexer shall not constitute a new or separate "Arrangement".

Shared use as described in Section 7.4.9 will apply to both the Host Subscriber's and Service User's portion of the service for which they are billed. Any reconciliation of Shared Use as described in Section 7.4.9 must be negotiated between the Host Subscribers and Service Users.

A Shared Network Arrangement shall be established between a Host Subscriber and a Service User upon the completion of the service order for the first circuit(s) in the arrangement. No Shared Network Arrangement shall be deemed to be in effect until at least one subtending circuit has been installed for the Service User. A Shared Network Arrangement shall be deemed canceled when the last subtending circuit has been disconnected.

A Processing Charge will apply for handling each service order in a Shared Network Arrangement when a Service User orders that a subtending circuit(s) be connected to a Host Subscriber's multiplexed service. The Processing Charge is contained in Section 7.5.9(D) and applies in addition to all other applicable rates and charges.

(TR756)

Issued: November 30, 1993

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Director, Federal Regulatory, 4F20
2000 W. Ameritech Center Drive
Hoffman Estates, Illinois 60196-1025

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.13 Discount Commitment Program (DCP) *

(A) General Description

The Discount Commitment Program (DCP) provides the customer with rate stabilization and discounted rates for Direct Analog, Base Rate and DS1 services (described in Sections 7.2.3 and 7.2.9, preceding), except the DCP is not available for DS1 Local Distribution Channels (LDC) associated with 128, 256, 384, 512, and 768 Kbps Channel Mileage Termination and Channel Mileage, installed after October 2, 2000. The customer agrees to a minimum service commitment per service per state when establishing a DCP. Customers may disconnect or move Local Distribution Channels within the state and not be subject to Termination Liability charges as long as commitment levels are maintained.

(N)

DCPs may be established by service by state and be of either 3 or 5 years duration. A customer may have only one DCP per service per state in effect at one time. For example, a customer that has a 3 year DCP for Direct Analog service in Illinois may not establish a second Direct Analog DCP in Illinois until the current DCP expires.

Monthly rates for services installed under a DCP will change as Telephone Company initiated rate changes become effective but during the DCP term will not exceed the monthly rate in effect at the beginning of the customer's DCP term. During the term of the selected DCP, Telephone Company initiated rate changes (increases or decreases) will automatically be applied to the monthly rates for the remaining months of the current DCP term. But in no case will any rate change cause the monthly rate during the DCP term to exceed that in effect at the beginning of the customer's DCP term.

(B) Commitment Level

A customer establishes a DCP term by committing 90 percent or more of their in service Local Distribution Channels to a term of either 3 or 5 years duration. Although the commitment is based upon Local Distribution Channels, the following rate elements will all receive DCP rates:

Channel Mileage
Channel Mileage Termination
DS1 to Voice/Base Rate Multiplexer
Local Distribution Channel

* DCP is not available for DS1 Local Distribution Channels (LDC) associated with 128, 256 384, 512, and 768 Kbps Channel Mileage Termination and Channel Mileage, installed after October 2, 2000.

(N)

(This page filed under Transmittal No. 1390)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.13 Discount Commitment Program (DCP) (Cont'd) *

(B) Commitment Level (Cont'd)

Only rate elements not purchased under an Optional Payment Plan (described in Section 7.4.9) will be eligible for inclusion in the commitment level and for DCP rates.

As long as a customer's actual in service level of Local Distribution Channels is at the commitment level, customers will be billed DCP rate for all eligible rate elements. Additionally, if a customer's in service level exceeds the initial in service level by no more than 30 percent for a three year DCP or 50 percent for a 5 year DCP, customers will be billed the DCP rates for all eligible rate elements. For example, a customer with 100 Base Rate LDCs commits 90 LDCs (or 90 percent) to a 3 year DCP term. The customer will be billed DCP rates as long as the actual in service level of Base Rate LDCs is greater than or equal to 90 or less than 130.

If a customer's in service level exceeds the initial in service level by more than 30 percent for a three year term or 50 percent for a 5 year term, the customer will be billed the monthly rate for all LDCs above the commitment level. For example, a customer with 100 Base Rate LDCs that commits 90 (or 90 percent) LDCs to a 3 year DCP actually has 140 LDCs in service. This customer will be billed DCP rates for 90 LDCs but monthly rates for the 50 LDCs above the commitment level.

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

In all cases, applicable associated rate elements (excluding the LDCs) for the service covered by a DCP term, will receive DCP rates even when the actual in service level of Local Distribution Channels is outside the DCP parameters, as described above.

* DCP is not available for DS1 Local Distribution Channels (LDC) associated with 128, 256, 384, 512, and 768 Kbps Channel Mileage Termination and Channel Mileage, installed after October 2, 2000.

(N)

(This page filed under Transmittal No. 1390)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.13 Discount Commitment Program (DCP) (Cont'd) *

(C) 90 Day Review Period

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

Customers' bills will not be adjusted for being outside the parameters described in 7.4.13(B), preceding during the 90 day review period. Additionally, customers will continue to be billed the adjustments (following the 90 day review period) for being outside the described parameters until the commitment level is met or increased. A new 90 day review period will be initiated if the customer's actual in service level subsequently falls outside the described parameters.

(D) Increasing the DCP Commitment Level

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

When a commitment level is increased, the actual in service LDC level at the time of the increase will be used to calculate billing adjustments as described in Section 7.4.13(B), preceding.

(E) Decreasing the DCP Commitment Level and Termination Liabilities

Customers may only decrease their commitment level by paying termination liability charges on the number of Local Distribution Channels by which the commitment level is decreased. Termination Liabilities will apply to Direct Analog, OPTINET Base Rate and DS1 services covered by a DCP. For example, a customer has a commitment level of 90 LDCs. The customer then decreases this commitment level to 70 LDCs. The customer must pay termination liabilities on 20 LDCs.

* DCP is not available for DS1 Local Distribution Channels (LDC) associated with 128, 256, 384, 512, and 768 Kbps Channel Mileage Termination and Channel Mileage, installed after October 2, 2000.

(N)

(This page filed under Transmittal No. 1390)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.13 Discount Commitment Program (DCP) (Cont'd) *

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

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

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

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

Termination Liability charges will not apply to individual Local Distribution Channels disconnected or moved within a state as long as the commitment level is maintained. Normal nonrecurring charges will apply.

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

(F) Upgrading a DCP Service

When a customer upgrades a Direct Analog or Base Rate service being billed DCP rates to an DS1 service, the Direct Analog or Base Rate DCP commitment level will be reduced at the customer's request (up to a maximum of 24) and no termination liabilities will apply. If the customer has a DCP for DS1, the DS1 DCP commitment level will be increased if the customer requests that it be increased. When a customer upgrades an DS1 service being billed DCP rates to an DS3 service with the same termination points, the customer's DS1 DCP commitment level will be reduced at the customer's request (up to a maximum of 28) and no termination liabilities will apply.

* DCP is not available for DS1 Local Distribution Channels (LDC) associated with 128, 256, 384, 512, and 768 Kbps Channel Mileage Termination and Channel Mileage, installed after October 2, 2000.

(N)

(This page filed under Transmittal No. 1390)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.13 Discount Commitment Program (DCP) (Cont'd) *

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

Customers may convert services from a DCP term to an OPP as described in 7.4.10, preceding. No termination liabilities will apply to services converted to an OPP term of the same or longer length than the DCP term. Additionally, the customer's DCP commitment level will be reduced by the number of LDCs, associated with the service, converted to an OPP term.

* DCP is not available for DS1 Local Distribution Channels (LDC) associated with 128, 256, 384, 512, and 768 Kbps Channel Mileage Termination and Channel Mileage, installed after October 2, 2000.

(N)

(This page filed under Transmittal No. 1390)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

D

D

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.14 Network Reconfiguration Service (NRS) (T)

This section contains specific regulations governing the rates and charges that apply for Network Reconfiguration Service. (T)

(A) Types of Rates and Charges

(1) Monthly Rates

(a) NRS Service Charge (Ability to Reconfigure Networks) (T)

The NRS Service Charge is a monthly recurring rate that is applied per customer network database that gives the customer the ability to reconfigure their network. The NRS Service Charge applies in each state of Ameritech's operating territory in which the customer intends to reconfigure circuits. (T)

(b) NRS Access Arrangement (T)

The NRS Access Arrangement charge applies for each Dedicated Access Network Link or dial-in access number that the customer uses to access NRS. The Access Arrangement provides the interface between the customer and the NRS System Locations. Dedicated Network Access Links (DNALs) or dial-in access should be purchased from the applicable intrastate or interstate tariffs. This option may be utilized with a compatible DNAL as specified in Section 8.3.1(E). An Access Arrangement must be purchased for each Dedicated Network Access Link or dial-in number used to access the NRS system to request reconfigurations. (T)

(TR1357)

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One SBC Plaza, Dallas, Texas 75202

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

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

(A) Types of Rates and Charges (Cont'd)

(2) Nonrecurring Charges

(a) NRS Service Charge (Ability to Reconfigure Networks) (T)

There is a nonrecurring charge for initially establishing the customer network database. The network database will contain all facilities and channels that a customer will be able to reconfigure. The NRS Service Charge will apply once in each state of Ameritech's operating territory in which the customer has channels that will be reconfigured with NRS. (T)

(b) NRS Database Modification (T)

The Database Modification charge applies to customer initiated changes to their network database subsequent to the initial database setup. These changes include:

- (1) Addition or deletion of channel/facility termination sat the NRS system location. (T)
- (2) Addition, deletion or change in the customer's master security password.
- (3) Establish cross-connection of two NRS subscribers located at the same NRS location. Letters of Authorization must be submitted by both customers to the Telephone Company before the modification is made. (T)

Discontinuance of the above arrangement will also generate a modification charge.

This charge applies to each change to a customer's database. If more than one change is requested at the same time, the charge is applied to each change requested.

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One SBC Plaza, Dallas, Texas 75202

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.14 Network Reconfiguration Service (ANRS) (Cont'd)

(T)

(A) Types of Rates and Charges (Cont'd)

(2) Nonrecurring Charges (Cont'd)

(d) NRS Access Arrangement

(T)

There is a nonrecurring charge associated with the initial installation of the arrangement.

(e) Attendant Access

Attendant Access provides for reconfiguration activities to be performed by a Telephone Company attendant at the direction of the customer. The customer may request that the commands be performed on demand or at a later, scheduled time. On demand requests will normally be executed by the attendant within one hour of the customer's request. Attendant Access cannot be purchased independently but is available to customer's that access NRS either through a dial-in or dedicated arrangement.

(T)

The Attendant Access charge is charged on the first 30 minutes of use and subsequent 15 minute increments.

(f) NRS Training

(T)

The NRS training charge provides for additional training requested by the customer beyond the training session included with the initial installation of the NRS service.

(T)

(T)

The customer may request additional training on an hourly basis to be provided at a location agreed upon by the Telephone Company and the customer.

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ACCESS SERVICE

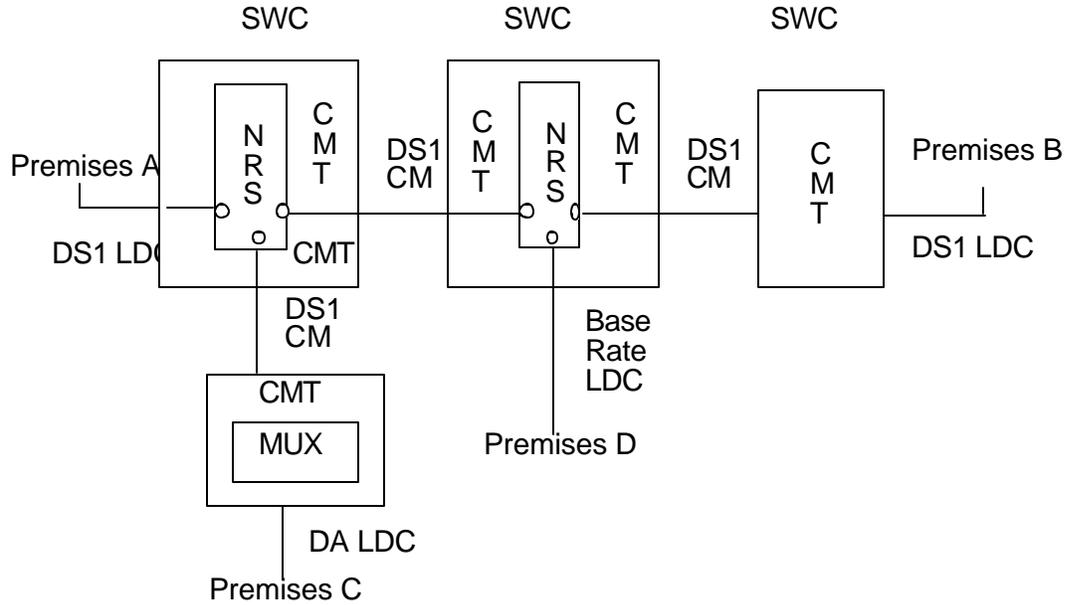
7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.14 Network Reconfiguration Service NRS (Cont'd)

(B) Service Configuration

The following diagram depicts Network Reconfiguration Service (NRS) utilized with DS1 and Base Rate and Direct Analog Services.



- LDC - Local Distribution Channel
- CMT - Channel Mileage Termination
- CM - Channel Mileage
- SWC - Serving Wire Center
- MUX - Multiplexer
- ANRS - NRS System Location
- o - NRS Port Termination
- DA - Direct Analog

Applicable rate elements are:

- Local Distribution Channels, 2 DS1, 1 Base Rate, 1 Direct Analog
- Channel Mileage Terminations - 6 DS1
- Channel Mileage - 3 DS1 mileages
- NRS Port Terminations - 5 DS1, 1 Base Rate
- Multiplexing - 1 DS1 to Base Rate/Direct Analog- Appropriate NRS Basic Service and ACCESS rate elements

(TR 1357)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.15 Installation Interval Guarantee

A failure to meet the confirmed due date provided by the Telephone Company for the services following, will result in a customer credit as shown below, where the responsibility for the failure is the Telephone Company's:

(C)
(C)
(C)

Services	Credit Amount
Direct Analog Service	\$200.00
Base Rate	\$250.00
DS1	\$350.00
DS3	\$600.00

(C)
|
(C)

This guarantee does not apply to any installation involving the following circumstances:

1. The customer requests expedited orders
2. Other Telephone Companies are designated as the billing company as set forth in Section 2.4.7 preceding or the AOC is the billing company as set forth in 2.4.7(B)(3) and 2.4.7(B)(4) preceding.
3. The customer's premises is inaccessible
4. The customer changes interface requirements
5. The customer is not ready to accept service
6. Building facilities are not ready (includes space, cable support structures, building risers and entrance facilities to be provided by builder or owner or owner's subcontracted vendors)
7. The customer orders termination beyond the Network Interface
8. The nonrecurring installation charges (Design and Central Office and Customer Connection) are waived or zero rated.
9. The delay is caused by civil disturbances, criminal actions, work stoppages, by fire, flooding or other occurrence attributed to an Act of God or any other circumstance beyond the Telephone Company's reasonable control.

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