

ACCESS SERVICE

7. Special Access Service

Non-Competitive End-User Channel Terminations (and associated optional features and functions) are the Special Access Services offered under this tariff. Other Special Access Services required to complete a circuit are available as described in Section 1.1 preceding

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MAPPING OF BASIC SERVICE ELEMENTS

The following is a list of the Consolidated Communications Companies Open Network Architecture (ONA) Special Access optional features which were presented in the NYNEX ONA Plan as Basic Service Element (BSE) offerings. This list provides a mapping from the industry standard feature name to the feature name utilized in this tariff.

<u>Industry Standard:</u>	<u>Consolidated Communications Companies</u>
Automatic Protection Switching	Automatic Loop Transfer
Bridging	C.O. Bridging Capability
Bridging	Series Bridging
Bridging	Telegraph Bridging
Bridging	Three Premises Bridging
Conditioning	C-Type Conditioning
Multiplexing Digital	Central Office Multiplexing
Multiplexing Digital	Multiplexing
N/A	Conditioning
N/A	Diversity
N/A	Four-Wire/Two-Wire Conversions
N/A	Gain Conditioning

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7. Special Access Service (Cont'd)MAPPING OF BASIC SERVICE ELEMENTS

The following is a list of the Consolidated Communications Companies Open Network Architecture (ONA) Special Access optional features which were presented in the NYNEX ONA Plan as Basic Service Element (BSE) offerings. This list provides a mapping from the industry standard feature name to the feature name utilized in this tariff.

<u>Industry Standard:</u>	<u>Consolidated Communications Companies</u>
N/A	Provision of Services
N/A	Sealing Current Conditioning
N/A	Signaling Capability
N/A	Technical Specification Packages
N/A	Transfer Arrangement
Network Reconfiguration	FairPoint EnterPrise Network Reconfiguration Service
Route Diversity	Avoidance
Secondary Channel Capability	Secondary Channel Capability

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7. Special Access Service (Cont'd)7.1 General

Special Access Service provides a transmission path to connect customer designated premises, a customer designated premises and a WATS Serving Office (WSO), a customer designated premises and a Network Controller location or a fiber meet location of a Dedicated SONET Ring (DSR) or IntelliBeam Optical Transport Service, or a customer designated premises and a wire center where connection to an advanced data service[#] occurs, or a customer designated premises and an Expanded Interconnection multiplexing node or virtual collocation arrangement. Except for Expanded Interconnection, the connection may be made either directly or through a Telephone Company Hub where bridging, multiplexing, Vertical Service (i.e., NRS or FRS) or FairPoint EnterPrise Service functions are performed. For Expanded Interconnection, the connection may be made either directly or through a Telephone Company Hub where multiplexing functions or Frame Relay Service functions are performed. (D)

In addition, certain Video and Advanced Video Services may provide the transmission path to connect a customer designated premises and a Telephone Company Hub where compatible services are switched as described in 7.2.5 and 7.2.14.

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.

The following Telephone Company locations are considered to be customer premises for purposes of administering regulations and rates contained in this tariff and, in the case of Direct Inward Dialing (DID) facility locations, only to permit customers to provide DID Service to Radio Common Carriers:

- Answering Service Concentrators
- Centrex-CO switches
- DID facility locations
- Digital Automatic Call Distribution Service central offices
- INTELLIBEAMHUB dedicated network service nodes
- FP PATH custom network service serving nodes

Advanced data services include Telephone Company provided, switched multi-megabit services. Connections to advanced data services are provided by the Telephone Company where such connections are technically and operationally feasible, as determined by the Telephone Company. (D)

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7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.1 Channel Types

There are several types of channels used to provide Special Access Service. Eight of these channel types are classified as Basic Serving Arrangements (BSAs) under the Open Network Architecture structure. Each type has its own characteristics. All are usually 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 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 or to imply that the channel is limited to a particular use. For example, if a customer's equipment is capable of transmitting voice over a channel that is identified as a Metallic Service in this tariff, there is no restriction against doing so.

Following is a brief description of each type of channel:

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

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

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

Program Audio BSA - 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.

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7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.1 Channel Types (Cont'd)

Broadcast Video BSA - a channel for the transmission of a standard 525 line/60 field monochrome or National Television Systems Committee color video signal of broadcast quality and its associated 5 or 15 kHz audio signals. The bandwidth for a Broadcast Video channel is either 30 Hz to 4.5 MHz or 30 Hz to 6.6 MHz.

Multichannel Video - a channel for the Frequency Modulation (FM) one-way transmission of up to sixteen standard 525 line/60 field monochrome or National Television Systems Committee color video signals of less than broadcast quality and their associated audio signal(s). The bandwidth for each video signal within the MVS channel is 6 MHz.

Supertrunking Transport Video Service - a channel with a bandwidth of up to either 750 MHz or 870 MHz for the transmission of multiple Amplitude Modulation (AM) standard 525 line/60 field monochrome or National Television Systems Committee (NTSC) color video signals and monaural or Broadcast Television Systems Committee (BTSC) stereo audio signals over fiber optic facilities.

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

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.

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

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

High Capacity - a channel for the transmission of isochronous serial digital data at rates of 3.152 Mbps.

WATS Access Line (WAL) - a channel between a customer designated premises and a WATS Serving Office.

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7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.1 Channel Types (Cont'd)

DIGIROUTESM digital service II - a channel for the simultaneous, synchronous transmission of digital data at the rate of 2.4, 4.8, 9.6, 19.2 or 56.0 kbps.

DOVROUTESM service BSA - a channel derived from local exchange service for the transmission of data at speeds of 2.4, 4.8, 9.6 or 19.2 kbps.

FairPoint EnterPrise DSO Service - a digital DSO channel for the transmission of analog or digital signals over FES fiber optic facilities.

FairPoint EnterPrise Fractional DS1 Service - a digital channel provided over adjacent (contiguous) channels through a common interface at transmission rates of 128.0, 256.0, 384.0, 512.0 and 768.0 kbps.

FairPoint EnterPrise DS1 Service - a channel for the transmission of isochronous serial digital data at rates of 1.544 Mbps over FES fiber optic facilities.

FairPoint EnterPrise DS3 Service - a channel for the transmission of isochronous serial digital data at rates of 44.736 Mbps over FES fiber optic facilities.

Advanced Uncompressed Digital Video Service - a channel for the digital transmission of multiple one-way uncompressed 8 bit or 10 bit encoded standard 525 line/60 field monochrome, or National Television Systems Committee (NTSC) color, video signals and their associated audio signals.

Advanced Broadcast Video Service* - a channel for digital transmission, at a rate of 44.736 Mbps, of a broadcast quality standard 525 line/60 field monochrome, or National Television Systems Committee (NTSC) color, video signal and up to four associated 15 kHz audio signals.

Serial Component Video Service - a channel for one-way transmission, at a rate of 270 Mbps, of broadcast quality 4:2:2 component video signals in serial digital format conforming to the American National Standard Institute/Society of Motion Picture and Television Engineers (ANSI/SMPTE) Standard 259M.

* Service availability is limited. See footnote in 7.2.14(B) following for more details.

7. Special Access Service (Cont'd)

7.1.1 Channel Types (Cont'd)

45 Mbps Digital Video Transport Service – a channel for one-way broadband transmission, at a rate of 45 Mbps, of high quality video signals in digital format conforming to ANSI digital hierarchy.

Facilities Management Service - a service option that provides for Telephone Company management of engineering and design of a customer's Special Access Service network from the customer's designated primary premises to serving wire centers of secondary locations within the same LATA.

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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 has the option of ordering Voice Grade and digital high capacity facilities (i.e., 1.544 Mbps, 3.152 Mbps and 44.736 Mbps) to a Telephone Company Hub for multiplexing to individual channels of a lower capacity. FES channels may be ordered to a Telephone Company FES Hub for grooming to other FES channels of a different bandwidth. Additionally, the customer may specify optional features or Basic Service Elements (BSEs) 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 and BSEs available are also set forth in 7.2 following.

Certain Special Access Services may be ordered in conjunction with FairPoint EnterPrise Network Reconfiguration Service (NRS). NRS enables Special Access Services to be reconfigured by cross-connecting services at Telephone Company Hubs where NRS functions are performed.

In addition, certain video and Advance Video Services may provide the transmission path to connect a customer designated premises and a Telephone Company Hub where compatible services are switched as described in 7.2.5 and 7.2.14 following.

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7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Rate Categories

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

- Channel Termination (described in 7.1.2(A) following).
- Optional Features and Functions or BSEs (described in 7.1.2(C) following)

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Rates and charges for Special Access Services are found in Section 31 following.

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7. Special Access Service (Cont'd)

7.1.2 Rate Categories (Cont'd)

The Channel Termination rate element is divided into three categories, Standard Channel Termination, Office Channel Termination Cross Connect and Virtual Office Channel Termination (VOCT). This tariff regulates the End-User Channel Termination as defined in Section 2.6. Reference to other types of Channel Termination rate elements is for context only.

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$$\begin{array}{c} \mathbf{(D)} \\ | \\ \mathbf{(D)} \end{array}$$

The Standard Channel Termination rate category provides for the communications path between a customer designated premises and the serving wire center of that premises or for the communications path within a building which connects a customer's facilities with a customer designated premises without routing through the serving wire center.

$$\begin{array}{c} \textbf{(D)} \\ \vdots \\ \textbf{(D)} \end{array}$$

Included as part of the Standard Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability itself is provided as either an optional feature or a BSE as set forth in (C) following

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7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Rate Categories (Cont'd)

(A) Channel Termination (Cont'd)

- (1) One Standard Channel Termination applies per channel terminated at each customer designated premises.

The Standard Channel Termination rate element will apply for all Telephone Company Access connections except High Capacity utilizing an Expanded Interconnection multiplexing node or virtual collocation arrangement. A Standard Channel Termination monthly rate will apply even when the customer designated premises and the serving wire center are located in the same Telephone Company building unless the customer establishes an Expanded Interconnection multiplexing node or virtual collocation arrangement.

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(B) Channel Mileage

The Channel Mileage is deemed competitive by FCC 17-43. The rates are excluded from this tariff.

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7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.2 Rate Categories (Cont'd)(C) Optional Features and Functions/Basic Service Elements

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

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(C)

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

- Signaling Capability
- Central Office Bridging
- Conditioning

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Several Optional Features and Functions (many of which are detariffed) are performed from Telephone Company serving wire centers which have been designated as Telephone Company Hubs where certain functions are performed. For example, the bridging functions are to connect three or more customer designated premises in a multipoint arrangement.

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Switching and patching of certain video services and advanced video services are performed at hubs designated as Telephone Company Video Operations Centers (TVOCs)

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7. Special Access Service (Cont'd)7.1 General (Cont'd)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.

(A) Two-Point Service

Except for Expanded Interconnection, two-point service connects two customer designated premises, or a customer designated premises and a WATS Serving Office, or a customer designated premises and a Network Controller location either on a directly connected basis or through a Hub. For Expanded Interconnection, a two-point service connects a customer designated premises and an Expanded Interconnection multiplexing node or virtual collocation arrangement either on a directly connected basis or through a Hub where multiplexing functions or Frame Relay Service functions are performed. Additionally, a two-point service may connect collocated equipment within the same Telephone Company premises subject to the regulations set forth in Section 27 following. (D)

Applicable rate elements are:

- Non-Competitive End-User Channel Termination* (C)
(D)

- Optional Features and Functions (when applicable)

* The End-User Channel Termination rate element applies as follows: (C)

<u>Service</u>	<u>Type of End-User Channel Termination</u>	(C)
(1) WATS Access line Service Extension Service provided for an additional termination of WAL Service as specified in	One Standard End-User Channel Termination rate element applies at the customer designated premises.	(C)
(2) Special Access Service provided to the Network Controller location as specified in Section 19. following.	On Standard End-User Channel Termination rate element applies at the customer designated premise	(C) (C)

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

Except for Expanded Interconnection, two-point service connects

<u>Service</u>	<u>Type of End-User Channel Termination</u>	(C)
(3) High Capacity Services provided between an Expanded Interconnection multiplexing node and		(D) (D)
- a customer designated premises	One Standard End-User Channel Termination rate element applies at the customer designated premises and One Office End-User Channel Termination	(C) (C)
	Cross Connect rate element applies at the Expanded Interconnection multiplexing node.*	
- a Telephone Company Hub	One Office End-User Channel Termination Cross Connect rate element applies at the Expanded Interconnection multiplexing node.*	(C)

- * An OCT Termination Charge also applies for each Office End-User Channel Termination cross-connected to either a Telephone Company-provided POT Bay or a customer-provided, Telephone Company-maintained POT Bay. (C)

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

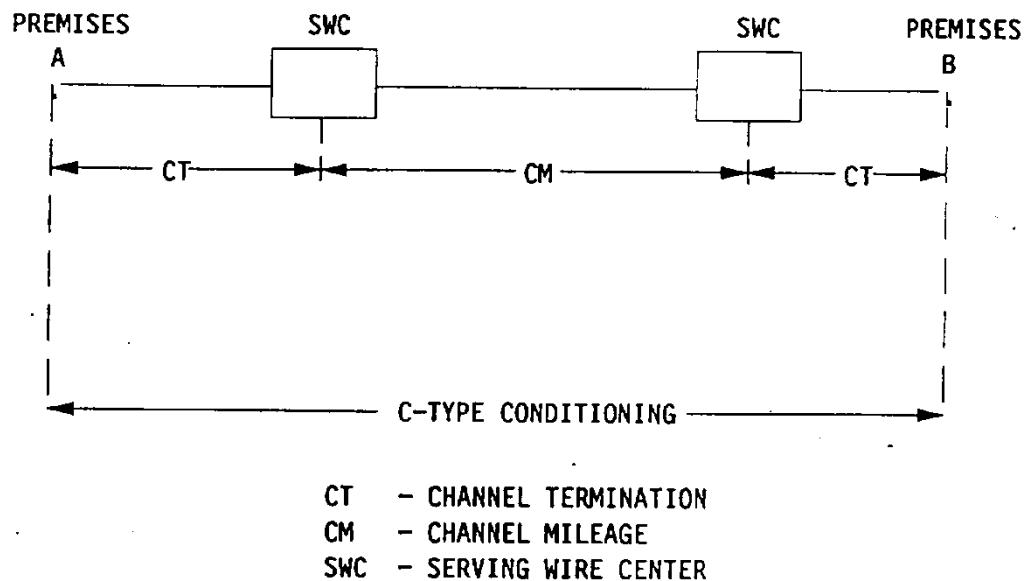
<u>Service</u>	<u>Type of End-User Channel Termination</u>	<u>(C)</u>
(4) High Capacity Services provided between an Expanded Interconnection virtual Collocation arrangement and		(D) (D)
- a customer designated premises	One Standard End-User Channel Termination rate element Applies at the customer designated premises and one Virtual Office End-User Channel Termination rate element applies at the virtual collocation arrangement.	(C) (C)
- a Telephone Company Hub	One Virtual Office End-User Channel Termination rate element applies at the virtual collocation arrangement.	(C)
(5) For all Special Access Services except as specified In (1) through (4) preceding provided between a customer designated premises and		
- another customer designated premises	One Standard End-User Channel Termination rate element applies at the each customer designated premises.	(C)
- a Telephone Company Hub	One Standard End-User Channel Termination rate element applies at the customer designated premises.	(C)

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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 may be applicable.

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



designated premises.

Applicable rate elements in this tariff are:

- Non-Competitive End-User Channel Terminations (2 applicable)
-
- C-Type Conditioning BSE

(C)

(C)

(D)

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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, except for Video Service and Advanced Video Services which require that all services included in the multipoint arrangement be connected at a single Hub. However, where 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, INC. TARIFF F.C.C. NO. 4, unless otherwise specified in this tariff.

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

Applicable Rate Elements in this tariff are: (C)

- Non-Competitive End-User Channel Terminations (one per customer designated premises) (C)
- (D)
- Bridging (one bridge port per point of a circuit which terminates [enters or exits] at a Bridging Cross Connect System or equivalent device)
- Additional Optional Features and Functions (when applicable)

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

- * For analog FairPoint EnterPrise Service DSO channels, a maximum of forty-one customer designated premises may be connected in a multipoint configuration. For digital FairPoint EnterPrise Service DSO Channels, a maximum of seventeen customer designated premises may be connected in a multipoint configuration.

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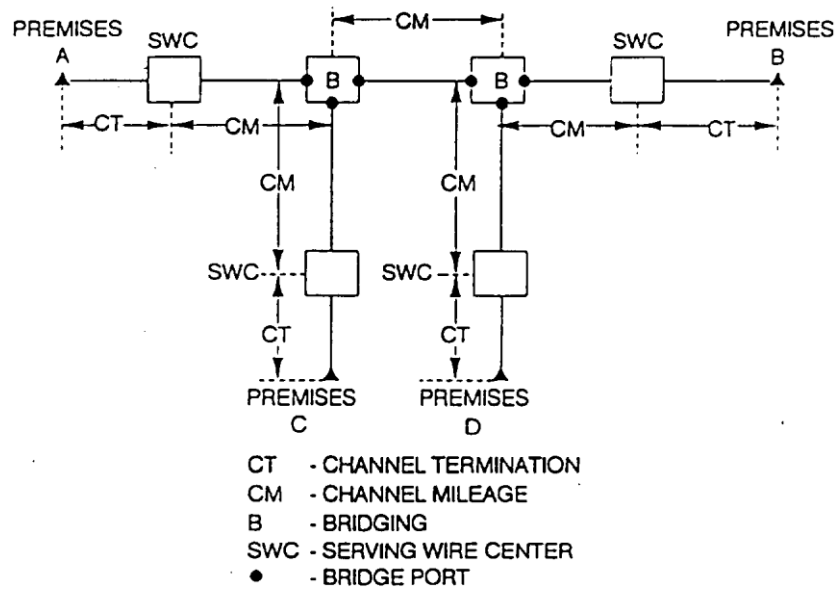
7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(B) Multipoint Service (Cont'd)

Example: Voice Grade multipoint service connecting four customer designated premises via two customer specified bridging Hubs.



Applicable rate elements in this tariff are:

- Non-Competitive End-User Channel Terminations (4 applicable)
- Bridging (6 applicable, i.e., each bridge port)

(C)

(C)

(D)

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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 ICB as set forth in Section 12., Specialized Service or Arrangements, and filed in 31.12 following. The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered (i.e., Non-Competitive End-User Channel Terminations and Optional Features and Functions/BSEs [if any]). (C) (C)

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 (i.e., Alternate Serving Wire Center, Avoidance, Diversity and Cable-Only) are set forth in this section and in Section 11. following. (D)

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.

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

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

7.1.8 Ordering Options and Conditions

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

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

For the purposes of ordering, there are seventeen categories of Special Access Service. These are:

Metallic (MT)
Telegraph Grade (TG)
Voice Grade (VG)
Program Audio (AP)
Video (TV)
Wideband Analog (WA)
Wideband Data (WD)
Digital Data (DA)
High Capacity (HC)
WATS Access Line (WAL)
DIGIROUTESM digital service II (DDS II)
DOVROUTESM service (DOV)
FairPoint EnterPrise Service (FES)
Advanced Video Services
Channel Extension Service
Facilities Management Service

(D)

Each service consists of a basic channel to which a technical specifications package (customized or predefined), if applicable, channel interface(s) and, when desired, optional features and functions or BSEs 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 to be billed before any further action is taken on the order.

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

The channel description specifies the characteristics of the basic channel and indicates whether the channel is provided between customer designated premises or between a customer designated premises and a Telephone Company Hub where functions such as bridging, multiplexing, Vertical Service (i.e., NRS or FRS) or FairPoint EnterPrise Service are performed.

Information pertaining to 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 or 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.

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, but communications can only be provided between compatible channel interfaces. Only certain channel interfaces are compatible. These are set forth in 7.3.5 following in a combination format.

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

Only certain 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 channel interface combinations available with the specified type of service are available with the customized channel.

The optional features and functions are BSEs available with each type of Non-Competitive End User Channel Termination are described in this section. Where appropriate, the optional features and functions are BSE information also indicates with which technical specifications packages they are available. Such information is displayed in a matrix with the optional feature or function or BSE listed down the left side and the technical specifications package listed across the top. (C)

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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 standards 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 specifications standards contained in this tariff or in the following Technical References for each category of service.

Metallic	TR-NPL-000336
Telegraph Grade	TR-NPL-000336
Voice Grade	TR-TSY-000335
	PUB 41004, Table 4
Program Audio	TR-NPL-000337
Video	NTR-74410, Issue No. 1
	TR-TSV-000338, Issue No. 2
	SN-INS-001532, Issue No. 1
	SR-NWT-001851
	SR-NPL-001434, Issue No. 1
Wideband Analog	TR-NPL-000339
Wideband Data	TR-NPL-000340
Digital Data	TR-NPL-000341
	PUB 62310
High Capacity	GR-342, Issue 1
	PUB 62411
	TR-NPL-000054
	TR-EOP-000063, Issue No. 3
	GR-253-CORE, Issue 2
WATS Access Line	TR-NWT-000334
	TR-NPL-000341

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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 standards 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 specifications standards contained in this tariff or in the following Technical References for each category of service.

DIGIROUTE SM digital service II	TR-NPL-000157 PUB 74380, Issue No. 1 NTR 74374, Issue No. 2 NTR 74375, Issue No. 2
DOVROUTE SM service	NTR 74374, Issue No. 2 NTR 74375, Issue No. 2
FairPoint EnterPrise Services	TR-TSY-000335 PUB 41004, Table 4 TR-NPL-000157 PUB 62310 NTR 14374, Issue No. 2 NTR 14375, Issue No. 2 TR-NPL-000054 PUB 62411 GR-342, Issue 1 PRD 0004
Advanced Video Services	NTR-74415, Issue No. 1 GR-342, Issue 1 TR-NPL-000337 TR-TSV-000338, Issue No. 2 ANSI/SMPTE 259M - 1997 ANSI/SMPTE 310M – 1998 ANSI T1.102-1993 (R1999) ANSI T1.102.01-1996 ANSI T1.107-1995 ATSC Standard A/53 ATSC Standard A/54 SR-4274 GR388
Channel Extension Service	ESA 390/SA23-0394-00 ESA 390/SA22-7202-02 GA23-0383 ANSI X3.271

(D)
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(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.1 Metallic Service(A) Basic Channel Description

A Metallic channel is an unconditioned two-wire channel capable of transmitting low speed varying signals at rates up to 30 baud. This channel is provided by metallic or equivalent facilities. Metallic channels are provided between customer designated premises 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.

(B) Technical Specifications Packages

<u>Parameter</u>	<u>C</u>	<u>Package MT-</u>		
		<u>1</u>	<u>2</u>	<u>3</u>
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) Channel Interfaces

Compatible channel interfaces are set forth in 7.3.5(A) following.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.1 Metallic Service (Cont'd)(D) Basic Service Elements (BSEs)(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 Basic Service Elements are available.

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

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.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.2 Telegraph Grade Service (Cont'd)(B) Technical Specifications Packages

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

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

(C) Channel Interfaces

Compatible channel interfaces are set forth in 7.3.5(B) following.

(D) Basic Service Elements (BSEs)

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

The following table shows the technical specifications packages with which the Basic Service Elements are available.

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

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.3 Voice Grade Service(A) Basic Channel Description

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

(B) Technical Specification Packages

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

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

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.3 Voice Grade Service (Cont'd)(B) Technical Specification Packages (Cont'd)

The technical specifications for these parameters (except for dropouts, gain hits, and phase hits) are delineated in Technical Reference TR-TSY-000335. The technical specifications for dropouts, phase hits, and gain hits are delineated in Technical Reference PUB 41004, Table 4.

(C) Channel Interfaces

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

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

Compatible channel interfaces are set forth in 7.3.5(C) following.

(D) Optional Features and Functions/Basic Service Elements (BSEs)

(1) Central Office Bridging Capability BSE

- (a) Voice Bridging (two-wire and four-wire)
- (b) Data Bridging (two-wire and four-wire)
- (c) Telephoto Bridging (two-wire and four-wire)
- (d) DATAPHONE® Select-A-Station Bridging with sequential arrangement ports or addressable arrangement ports

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

(D) Optional Features and Functions/Basic Service Elements (BSEs) (Cont'd)

(1) Central Office Bridging Capability BSE

(e) Telemetry and Alarm Bridging

Split Band, Active Bridging
Passive Bridging
Summation, Active Bridging

(2) [Reserved for Future Use]

(D)
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(D)

(3) Conditioning BSE

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

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 Voice Grade Service (Cont'd)(D) Optional Features and Functions/Basic Service Elements (BSEs) (Cont'd)(3) Conditioning BSE (Cont'd)(a) C-Type Conditioning

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

Attenuation Distortion (Frequency Response) <u>Relative to 1004 Hz</u>		Envelope Delay <u>Distortion</u>	
<u>Frequency Range (Hz)</u>	<u>Variation (db)</u>	<u>Frequency Range (Hz)</u>	<u>Variation mcs</u>
400-2800	-1.0 to +2.0	1000-2600	100
300-3000	-1.0 to +3.0	800-2600	200
3000-3200	-2.0 to +6.0	600-2600	300
		500-2800	600
		500-3000	3000

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.3 Voice Grade Service (Cont'd)(D) Optional Features and Functions/Basic Service Elements (BSEs) (Cont'd)(3) Conditioning BSE (Cont'd)(b) 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 channel interfaces.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.3 Voice Grade Service (Cont'd)(D) Optional Features and Functions/Basic Service Elements (BSEs) (Cont'd)(4) Customer Specified Premises Receive Level

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

(5) Improved Return Loss (Echo Control)

- (a) Improved return loss at a four-wire Point of Termination will provide improved echo control via an upgraded ELEPL. Telephone Company equipment may be required at the customers' premises where this option is ordered. The improved echo control parameters are delineated in Technical Reference TR-TSY-000335.
- (b) Improved return loss at a two-wire Point of Termination will provide improved echo control via an upgraded return loss limit. Telephone Company equipment may be required at the customers' premises where this option is ordered. The improved echo control parameters are delineated in Technical Reference TR-TSY-000335.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.3 Voice Grade Service (Cont'd)(D) Optional Features and Functions/Basic Service Elements (BSEs) (Cont'd)(6) Data Capability

Data Capability (also known as D-Type Conditioning) 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.

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.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

(D) Optional Features and Functions/Basic Service Elements (BSEs) (Cont'd)

(7) [Reserved for Future Use]

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(8) Signaling Capability BSE

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

(9) Reserved for Future Use

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7. Special Access Service (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

(D) Optional Features and Functions/Basic Service Elements (BSEs) (Cont'd)

(10) [Reserved for Future Use]

(D)

(11) [Reserved for Future Use]

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.3 Voice Grade Service (Cont'd)(E) Four-Wire/Two-Wire Conversions BSE

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 Non-Competitive End-User Channel Termination rate. (C)

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 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.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.4 Program Audio Service (Cont'd)(B) Technical Specifications Packages

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

* 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)(B) Technical Specifications Packages (Cont'd)(C) Channel Interfaces

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

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

Compatible channel interfaces are set forth in 7.3.5(D) following.

(D) Optional Features and Functions/Basic Service Elements (BSEs)(1) Central Office Bridging Capability BSE

Distribution Amplifier

(2) Gain Conditioning BSE

Control of 1004 Hz AML at initiation of service to $\text{OdB} \pm 0.5 \text{ dB}$.

(3) Stereo

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

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.4 Program Audio Service (Cont'd)(D) Optional Features and Functions/Basic Service Elements (BSEs) (Cont'd)

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

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

7.2.5 Video Service

Video Service requires transmission facilities which are suitable for the delivery of an analog signal over the entire distance between the originating and terminating locations involved. Where such existing facilities can not deliver an analog signal over the distance required, the Telephone Company may, at its option, elect to specially construct facilities subject to the provisions of 2.1.4 Provision of Services, and 5.1.3 Special Construction preceding or the customer may, at its option, elect to order an Advanced Video Service in Section 7.2.14 following which utilizes digital transmission between the originating and terminating locations involved.

(A) Channel Descriptions(1) Broadcast Video Service

A Broadcast 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 of broadcast quality and one or two associated 5 kHz or 15 kHz audio signal(s). These associated audio signal(s) may be either diplexed or provided as one or two separate channels. At the customer's option, up to four associated 15 kHz signals may be provided as separated channels.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.5 Video Service (Cont'd)(A) Channel Descriptions (Cont'd)(1) Broadcast Video Service (Cont'd)

The third and/or fourth audio signal(s) are optional and will be provided as Additional Separate Audio Signals as set forth in (D)(2) following. The bandwidth for a video channel is either 30 Hz to 4.5 MHz or 30 Hz to 6.6 MHz. The provision and the bandwidth of the associated audio signal(s) is a function of the channel interface selected by the customer. Video channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

(2) Supertrunking Transport Video Service

Supertrunking Transport Video Service (SVS) is a channel with a bandwidth of up to either 750 MHz or 870 MHz, providing one-way transmission of multiple Amplitude Modulation (AM) standard 525 line/60 field monochrome or National Television Services Committee (NTSC) color video signals and monaural or Broadcast Television Systems Committee (BTSC) stereo audio signals over fiber optic facilities. SVS channels are provided over fiber optic facilities between two customer designated premises or between a customer designated premises and a Telephone Company Hub.

The signal performance and quality of the video channel may be degraded by the number of signals and the end to end distance of the channel. The Telephone Company will work cooperatively with the customer to determine the number of video signals which can be provided over a single SVS channel.

The customer may upgrade from 750 to 870Mhz without incurring termination liability on the 750Mhz term contract provided the upgrade term is of equal or greater length of the remainder of the existing 750Mhz term contract. The customer will be required to pay the new rates associated with the 870Mhz service.

The Technical specifications are delineated in Technical Publications SR-INS-001532, Issue No. 1; SR-NPL-001434, Issue No. 1 and SR-NWT-001851, Issue No. 1.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video Service (Cont'd)

(A) Channel Descriptions (Cont'd)

(2) Supertrunking Transport Video Service (Cont'd)

For two-point service configurations, a single Non-Competitive End-User Channel Termination at each customer designated premises transmits or receives all of the video signals transported over the SVS channel. For multipoint service configurations, each video signal is provided over a Transmit only Non-Competitive End-User Channel Termination at one of the designated premises involved and a Receive only Non-Competitive End-User Channel Termination at each of the other designated premises involved. A Transmit Non-Competitive End-User Channel Termination provides an electrical to optical conversion of the customer's video signals allowing the customer to transmit, or originate, AM signals for transport over the SVS channel to one or more Receive Non-Competitive End-User Channel Terminations. A Receive Non-Competitive End-User Channel Termination provides an optical to electrical conversion allowing the customer to receive the multiple amplitude modulation signals. (C)

At the option of the customer, SVS channels may be provided under a Service Discount Plan as specified in, and subject to the limitations set forth in, 7.4.10 following.

SVS channels may be moved in accordance with the regulations set forth in 7.4.5(B) and 7.4.10(C)(5) following.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.5 Video Service (Cont'd)(A) Channel Descriptions (Cont'd)(3) Fiber Based Multichannel Video Service (MVS)

Fiber Based Multichannel Video Service provides one-way Frequency Modulation (FM) transmission of one to sixteen standard 525 line/60 field monochrome or National Television Systems Committee (NTSC) color, video signals of less than broadcast quality over a single video channel. The bandwidth for each video signal is 6 MHz. One audio signal is provided with each video signal. The customer may order up to three Additional Separate Audio Signals or may elect to replace the original audio signal with one BTSC Stereo Audio Signal. Audio signal options are specified in 7.2.5(D) following.

At the option of the customer, MVS may be provided under a Service Discount Plan as specified in and subject to the limitations set forth in, 7.4.10 following.

(C)

MVS channels are provided over fiber optic facilities for one-way transmission between customer designated premises or between a customer designated premises and a Telephone Company Hub. MVS is subject to the availability of suitable transmission facilities between the customer designated premises or Hubs involved. The Telephone Company will determine if such transmission facilities are available, or can be made available, and advise the customer of the facility status.

The signal performance and quality of the video channel may be degraded by the number of video signals, audio options and the end to end distance of the channel. The technical specifications are delineated in Technical Reference NTR-74410, Issue No. 1.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video Service (Cont'd)

(A) Channel Descriptions (Cont'd)

(3) Fiber Based Multichannel Video Service (MVS) (Cont'd)

MVS channels are one-way only. For two-point service configurations, each video signal is provided over a Transmit only Non-Competitive End-User Channel Termination at one of the designated premises involved and a Receive only Non-Competitive End-User Channel Termination at the other designated premises involved. For multipoint service configurations, each video signal is provided over a Transmit only Non-Competitive End-User Channel Termination at one of the designated premises involved and a Receive only Non-Competitive End-User Channel Termination at each of the other designated premises involved. Each customer designated premises must have at least one Transmit only and one Receive only Non-Competitive End-User Channel Termination, unless service is ordered with the One-way Transport optional feature. The One-way Transport optional feature enables a customer designated premises to have either Transmit only Non-Competitive End-User Channel Termination(s) or Receive only Non-Competitive End-User Channel Termination(s), but not both. When service is provided without the One-way Transport option, separate MSV channels are required for the Transmit only and Receive only Non-Competitive End-User Channel Terminations at each customer designated premises.

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(a) Transmit Non-Competitive End-User Channel Termination

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The Transmit Non-Competitive End-User Channel Termination (USOC TU9TF, TU9TE) allows a customer to transmit, or originate, one video signal for transport over the video channel to one or more Receive Non-Competitive End-User Channel Terminations. For each two-point or multipoint video channel, Transmit Non-Competitive End-User Channel Terminations may be provided at one point of termination only.

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(b) Receive Non-Competitive End-User Channel Termination

(C)

The Receive Non-Competitive End-User Channel Termination (USOC TU9RF, TU9RE) allows a customer to receive an incoming video signal as originated over a Transmit Non-Competitive End-User Channel Termination.

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.5 Video Service (Cont'd)(B) Technical Specifications Packages

<u>Parameter</u>	<u>Package TV-</u>		
	<u>C*</u>	<u>1</u>	<u>2</u>
<u>Amplitude</u> 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
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

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.5 Video Service (Cont'd)(B) Technical Specifications Packages (Cont'd)

<u>Parameter</u>	<u>Package TV-</u>		
	<u>C*</u>	<u>1</u>	<u>2</u>
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 Nonlinearity	X		
Video/Audio Delay Difference	X		

The technical specifications are delineated in Technical Reference TR-TSV-000338, Issue No. 2 and NTR-74410, Issue No.1.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.5 Video Service (Cont'd)(C) Channel Interfaces

The following channel interfaces (CIs) define the manner of provision and number of audio signal(s) associated with a video channel:

<u>CI</u>	<u>Description</u>
2TV6-1	Combined video and one diplexed audio signal
2TV6-2	Combined video and two diplexed audio signals
2TV7-1	Combined video and one diplexed audio signal
2TV7-2	Combined video and two diplexed audio signals
4TV6-5	Video and one 5 kHz audio signal
4TV6-15	Video and one 15 kHz audio signal
4TV6-15A	Video and one 15 kHz audio signal
4TV6-17	Video and one composite BTSC stereo audio signal
4TV7-5	Video and one 5 kHz audio signal
4TV7-15	Video and one 15 kHz audio signal
4TV7-15A	Video and one 15 kHz audio signal
4TV7-17	Video and one composite BTSC stereo audio signal
6TV6-5	Video and two 5 kHz audio signal
6TV6-15	Video and two 15 kHz audio signals
6TV6-15A	Video and two 15 kHz audio signals
6TV7-5	Video and two 5 kHz audio signal
6TV7-15	Video and two 15 kHz audio signals
6TV7-15A	Video and two 15 kHz audio signals
8TV6-15A	Video and three 15 kHz audio signals
8TV7-15A	Video and three 15 kHz audio signals
10TV6-15A	Video and four 15 kHz audio signals
10TV7-15A	Video and four 15 kHz audio signals

Compatible channel interfaces are set forth in 7.3.5(E) following.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Video Service (Cont'd)

(D) Optional Features and Functions/Basic Service Elements (BSEs)

(1) Video Bridging (USOC BCNVD)

Video Bridging enables Video Service to be provided in a multipoint configuration. The Video Bridging optional feature is not available for Part-time Broadcast Video Services.

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ACCESS SERVICE

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

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7.2.8 Digital Data Service(A) Basic Channel Description

A Digital Data channel is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, or 56.0 kbps. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. Digital Data channels are only available via Telephone Company designated Hubs and are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.8 Digital Data Service (Cont'd)(B) Technical Specifications Packages

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

The Telephone Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875% error-free seconds while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB 62310.

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

(C) Channel Interfaces

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

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

Compatible channel interfaces are set forth in 7.3.5(H) following.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Data Service (Cont'd)

(D) Optional Features and Functions/Basic Service Elements (BSEs)

(1) Central Office Bridging Capability BSE

(2) [Reserved for Future Use]

(3) Secondary Channel Capability (SCC) BSE

Channel conditioning, provided from suitably equipped Hubs, that permits a 56 kbps channel to be used with a compatible customer-provided Data Service Unit which can derive a lower speed secondary channel at a synchronous rate of 2.666 kbps as described in Technical Reference TR-NPL-000157. The secondary channel operates in parallel with the primary 56 kbps channel and can provide simultaneous two-way transmission. The SCC is used for diverse network capabilities including, but not limited to, providing a lower speed data channel or access to a network management system to perform on line diagnostics and testing, data monitoring, traffic measurement, etc. This feature is available on a point to point or multipoint basis, where facilities permit, but is not available with DDS channels which require regenerative repeaters in the loop to the customer premises. Customers must agree to out-of-service periods required to add this feature to an existing 56 kbps channel.

(D)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.8 Digital Data Service (Cont'd)(D) Optional Features and Functions/Basic Service Elements (BSEs) (Cont'd)

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

	Available with Technical Specifications Package DA-			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Central Office Bridging Capability	X	X	X	X
Secondary Channel Capability				X

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service

(A) Basic Channel Description

A High Capacity channel is a digital channel for the transmission of nominal 64.0 kbps*, 1.544 Mbps, 3.152 Mbps or 44.736 Mbps isochronous serial data. The actual bit rate and framing formats are a function of the channel interface selected by the customer. High Capacity channels are provided between customer designated premises, between a customer designated premises and a Telephone Company Hub, between a customer designated premises and a wire center where connection to an advanced data service# occurs, or between a customer designated premises, Telephone Company multiplexing Hub or Telephone Company Frame Relay Service Hub and an Expanded Interconnection multiplexing node or virtual collocation arrangement**. Additionally, a High Capacity channel may connect collocated equipment within the same Telephone Company serving wire center, access tandem or remote node subject to the regulations set forth in Section 27 following. (D)

(D)
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(D)

High Capacity channels may also be connected to the following Telephone Company provided services, provided that such connections are technically and operationally feasible, as determined by the Telephone Company:

in-service integrated optical service
in-service bandwidth on demand network

* Available only as a channel of a 1.544 Mbps facility between two Telephone Company digital Hubs or as a cross connect of two 2.4, 4.8, 9.6, 56.0 or 64.0 kbps channels of two 1.544 Mbps facilities at a digital Hub(s). The customer must provide system and channel assignment data. Digital Hubs include both Digital Data Hubs and High Capacity Multiplexing Hubs.

** Expanded Interconnection is not available with 3.152 Mbps or 44.736 Mbps High Capacity Service provided with an optical fiber interface.

Advanced data services include Telephone Company provided switched multi-megabit services. Connections to advanced data services are provided by the Telephone Company where such connections are technically and operationally feasible, as determined by the Telephone Company. (D)
(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

(A) Basic Channel Description (Cont'd)

The High Capacity 44.736 Mbps Service is provided on digital (selected by the Telephone Company, and it is provided only through serving wire centers equipped to furnish such service. At the customer designated premises, an optical fiber interface and digital optical equipment convert the signal from optical to electrical. A 110 volt AC, 15 amperes, separately fused, non-switched controlled, single power outlet must be provided by the customer at the customer designated premises.

(D)

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(D)

ACCESS SERVICE

(D)

(D)

ACCESS SERVICE

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ACCESS SERVICE

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(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.9 High Capacity Service (Cont'd)(B) Technical Specifications Packages

Parameters	Package HC-			
	<u>0</u>	<u>1</u>	<u>1C</u>	<u>3</u>
Error-Free Seconds		X		
Bit Error Rate				X
Error-Free Transmission				X

A channel with technical specifications package HC1 will be capable of an error-free second performance of 98.75% over a continuous 24 hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical References PUB 62411 and TR-NPL-000054.

A Channel with technical specifications package HC3 is designed to provide an average performance of at least 99% error-free transmission measured over a continuous 24 hour period at the Company interface. The Technical Specifications are delineated in GR-342, Issue 1.

The technical specifications for High Capacity Service provided to an Expanded Interconnection multiplexing node are delineated in the Technical Reference Publications specified in Section 28.1.5 and 28.4.5 following.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

(C) Channel Interface

The following channel interfaces (CIs) define the bit rates that are available for a High Capacity and/or FairPoint EnterPrise SONET Access Services channel:

<u>CI</u>	<u>Bit Rate</u>
CS-15*	1.544 Mbps (DS1)
DS-1S	1.544 Mbps (DS1)
DS-15*	1.544 Mbps (DS1)
DS-44, 44A, or 44I	44.736 Mbps (DS3)

(D)

(D)

(D)

Compatible channel interfaces are set forth in 7.3.5(I) following.

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

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

(D) Optional Features and Functions/Basic Service Elements (BSEs)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

(D) Optional Features and Functions/Basic Service Elements (BSEs) (Cont'd)

(3) [Reserved for Future Use]

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

(D) Optional Features and Functions/Basic Service Elements (BSEs) (Cont'd)

(D)

(D)

(4) Clear Channel Capability (CCC)

CCC provides a Bipolar with Eight Zero Substitution (B8ZS) encoding technique that allows a customer to transport 1.536 Mbps information rate signals over a 1.544 Mbps High Capacity Channel with no constraint on the quantity or sequence of ones (mark) and zero (space) bits. This arrangement allows customers to derive 64 kbps clear channels. This service is provided only on 1.544 Mbps High Capacity Channels between two customer designated premises and is subject to availability of facilities. This arrangement requires the customer-provided multiplexing equipment to be compatible with the B8ZS line code as specified in Technical Reference TR-NPL-000054 and GR-342, Issue 1.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

(D) Optional Features and Functions/Basic Service Elements (BSEs) (Cont'd)

(5) Alternate Serving Wire Center

An optional feature in which High Capacity Non-Competitive End-User Channel Terminations are provided over an alternate route to a Non-Competitive serving wire center other than that normally serving the customer's designated premises. The Telephone Company will designate the serving wire center to be used. This feature may also be used in conjunction with DS3 services provided over IntelliBeam Entrance Facility (IEF) service. This feature is not available with Shared Use Digital High Capacity Services.

(C)
(C)
(D)
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When a customer orders the Alternate Serving Wire Center Optional Feature, the Alternate Serving Wire Center Rate as specified in 30.7.9(C)(5) following applies in addition to the Non-Competitive End-User Channel Termination and Charges for each applicable High Capacity Service.

(D)
(C)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.9 High Capacity Service (Cont'd)(D) Optional Features and Functions/Basic Service Elements (BSEs) (Cont'd)(5) Alternate Serving Wire Center (Cont'd)

The rates for Alternate Serving Wire Center apply per point of termination.

Subject to the provisions of 2.1.4, Provision of Services, and 5.1.3, Special Construction preceding, Alternate Serving Wire Center will be provided within one year from receiving a customer request.

Portland, ME
Nashua, NH
Manchester, NH
Burlington, VT

ACCESS SERVICE

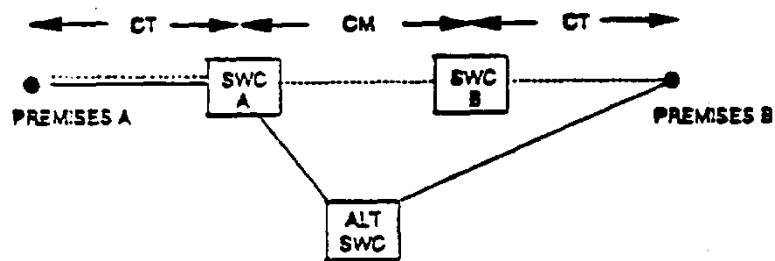
7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.9 High Capacity Service (Cont'd)(D) Optional Features and Functions/Basic Service Elements (BSEs) (Cont'd)(5) Alternate Serving Wire Center (Cont'd)

In all other exchanges, the provisioning interval is within two years. In the case of special construction, the provisioning intervals are within one or two years, as specified preceding, from the date the special construction agreement is signed by the customer.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.9 High Capacity Service (Cont'd)(D) Optional Features and Functions/Basic Service Elements (BSEs) (Cont'd)(5) Alternate Serving Wire Center (Cont'd)

Example: High Capacity Service connecting two customer designated premises with the Alternate Serving Wire Center Optional Feature at Premises B.



---- Billed Route for High Capacity Service

---- Physical Route for High Capacity Service

CT - Channel Termination*

CM - Channel Mileage (detariffed)

SWC - Serving Wire Center

ALT SWC - Alternative Serving Wire Center**

(C)

Applicable Rate Elements Are:

- Channel Termination (2 applicable)
- Channel Mileage (1 section) (detariffed)
- Alternate Serving Wire Center Optional feature (1 applicable)

(C)

* Non-Competitive End-User Channel Termination Rates are calculated as if the service were physically routed through the normal serving wire center. (C)

** The Alternate Serving Wire Center Optional Feature Rate applies in addition to the End-User Channel Termination Rates. (C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

(D) Optional Features and Functions/Basic Service Elements (BSEs) (Cont'd)

(6) Shared Billing Arrangement

A Shared Billing Arrangement allows for the connection of one or more Service Users' Special Access, Switched Access or Common Channel Signaling Access Services to a Host Customer's multiplexed High Capacity Service in Telephone Company serving wire centers designated as Hubs capable of multiplexing High Capacity services, with the Telephone Company maintaining separate records and billing for each. The Telephone Company will split the billing after the multiplexer for each service connected to the High Capacity multiplexer.

A Shared Billing Arrangement also allows for the connection of one or more Service Users' DS1, DS3 or STS1 Switched Access Services, Common Channel Signaling Access Services, or Special Access Services at wire centers with IDSR or DSR SONET multiplexing capability, with the Telephone Company maintaining separate records and billing for each. For each service connected to IDSR or DSR, the Telephone Company will split the billing at the CO Node (i.e., SONET multiplexer) with any associated central office extension and, when applicable, associated premises port being the responsibility of the Service User.

Each customer will be billed for those rate elements associated with its own portion of the service configuration.

(D)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.9 High Capacity Service (Cont'd)(D) Optional Features and Functions/Basic Service Elements (BSEs) (Cont'd)(6) Shared Billing Arrangement (Cont'd)

The ordering customer(s) must obtain and provide a copy of a signed letter(s) of authorization, as described in 5.2 preceding, to the Telephone Company when placing an order for a Shared Billing Arrangement. The letter of authorization must be signed by both the Host Customer and the Service User and include the applicable Connecting Facility Assignments and Billing Account Numbers of the customers involved

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

(D) Optional Features and Functions/Basic Service Elements (BSEs) (Cont'd)

(6) Shared Billing Arrangement (Cont'd)

Each customer will be billed the applicable tariff rates and charges set forth in Section 31. following for all other rates and charges for its individual service(s).

(D)

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(D)

Each customer shall be responsible for reporting service outages for its portion of the multiplexed service. Out of service adjustments will be handled in accordance with Credit Allowance for Service Interruptions as set forth in Section 2.8.1.1 preceding. The Maintenance of Service charge applies, as set forth in Section 13.3.1 following, to the customer whose service is reported in trouble.

Under a Shared Billing Arrangement, the Telephone Company may share with the Host Customer record information pertaining to the multiplexed service(s) of the Service User(s). Such disclosure will be at the sole discretion of the Telephone Company as necessary to perform billing reconciliations or other functions required in connection with maintaining separate account records.

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.9 High Capacity Service (Cont'd)(D) Optional Features and Functions/Basic Service Elements (BSEs) (Cont'd)(6) Shared Billing Arrangement (Cont'd)

A customer may request a Shared Billing Arrangement for an existing multiplexed High Capacity with an existing Service Discount Plan or Commitment Discount Plan*. The regulations pertaining to such requests are set forth in Section 7.4.10 following for the Service Discount Plan, Section 25.1 following for the Commitment Discount Plan, or Section 25.2 following for the National Discount Plan. (D)

Section 7.4.11 contains rate regulations specific to Shared Billing Arrangement.

* Service Discount Plans and Commitment Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12. (D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

(D) Optional Features and Functions/Basic Service Elements (BSEs) (Cont'd)

(7) [Reserved for Future Use]

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

(D) Optional Features and Functions/Basic Service Elements (BSEs) (Cont'd)

(D)

(D)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

(D) Optional Features and Functions/Basic Service Elements (BSEs) (Cont'd)

(D)

(D)

ACCESS SERVICE

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

(D) Optional Features and Functions/Basic Service Elements (BSEs) (Cont'd)

The following table shows the technical specifications packages with which the optional features and functions or BSEs are available in this tariff.

(C)

	Available with Technical Specifications Package HC-			
	<u>0</u>	<u>1</u>	<u>1C</u>	<u>3</u>
Automatic Loop Transfer*		X		X

(D)

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(D)

Clear Channel Capability		X		
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(D)

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(D)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.10 WATS Access Line (WAL) Service(A) Basic Channel Description

A WATS Access Line Service provides a channel for voice frequency transmission capability. The service provides a connection between a 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 Arrangements as set forth in Section 6. preceding and subject to the following state requirements:

In New Hampshire, in compliance with the Public Utilities Commission's Order in Docket 86-310 and Maine, in compliance with the Public Utilities Commission's Order in Docket 86-237, intraLATA traffic will be blocked from those carriers who do not have a certificate of public convenience and an effective intrastate tariff. In such cases, intraLATA traffic will be completed by the Telephone Company.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.10 WATS Access Line (WAL) Service (Cont'd)(A) Basic Channel Description (Cont'd)

WAL Service may, at the option of the customer, be arranged for originating calling only, terminating calling only or two way calling. WAL Service arranged for originating calling only which is not equipped with the End Office End User Line Service Screening optional feature, as detailed in Section 6. preceding, for two way calling or (for FGA, FGB, CSL BSA and CST BSA - Option 1) for terminating calling only is available from suitably equipped equal access WATS Serving Offices with FGD or CST BSA - Option 3 capability. WAL Service arranged for two way calling is not available with Telephone Company Centrex-CO Service.

As specified in Section 6. preceding, WAL Service is provided with either dial pulse or dual tone multifrequency address signaling and either loop start, ground start, E&M or reverse battery supervisory signaling. Reverse battery supervisory signaling is provided only for one-way WAL Service. 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-NWT-000334. WATS Access Line Service is provided as an effective two-wire or effective four-wire transmission path.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 WATS Access Line (WAL) Service (Cont'd)

(B) Technical Specification Packages

(D)

(D)

The technical specifications for acceptance limits and immediate action limits are delineated in Technical Reference TR-NWT-000334.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.10 WATS Access Line (WAL) Service (Cont'd)(C) Channel Interfaces

The following channel interfaces are available with WAL Service:
EA, EB, GO, GS, LO, LS, RV

Compatible channel interfaces are shown below:

<u>Premises Interface</u>	<u>WSO Supervisory Signaling</u>
06EA2.E	EA, EB
06EA2.M	EA, EB
08EB2.E	EA, EB
08EB2.M	EA, EB
02GS2	GO
02GS3	GO
04GS2	GO
02LS2	LO
02LS3	LO
04LS2	LO
02RV2.T	RV
02RV3.T	RV
02RV2.O	RV
02RV3.O	RV
04RV2.T	RV

ACCESS SERVICE

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 WATS Access Line (WAL) Service (Cont'd)

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

(1) Improved two-wire voice transmission specifications (Cont'd)

(D)
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(D)

(2) Extension Service

Extension Service provides for an additional Non-Competitive End User termination(s) of WAL Service at another building(s) in the same or a different LATA.

(C)

A WAL Service Non-Competitive End-User Channel Termination charge applies for the communications path between the customer designated premises and the serving wire center of that premises. The Special Access Surcharge as specified in 7.4.2 may be applicable.

(C)

(D)
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(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.10 WATS Access Line (WAL) Service (Cont'd)(D) Optional Features and Functions (Cont'd)(2) Extension Service (Cont'd)

Compatible channel interfaces are set forth in 7.3.5(J) following.

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

	Available with Technical Specifications Package WAL-	
	<u>1</u>	<u>2</u>
Improved Two Wire		
Voice Transmission		
Specifications	X	X
Extension Service	X	X

Certain other options associated with WAL Services are provided as either WATS Access Line Service, Line Termination or Common Switching Optional Features as defined in Section 6. preceding.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.11 DIGIROUTESM Digital Service II*(A) Basic Channel Description

A DIGIROUTESM Digital Service II (DDS II) channel is a channel for the simultaneous transmission of digital data at the rate of 2.4, 4.8, 9.6, 19.2 56.0 or 64.0 kbps. The actual bit rate is a function of the channel interface selected by the customer. DDS II operates on a 24-hour-per-day seven-days-per-week basis in a full-duplex, synchronous transmission mode over facilities between customer-designated premises, between a customer-designated premises and a Telephone Company hub or between a customer-designated premises and a wire center where connection to an advanced data service# occurs. DDSII is subject to the availability of equipment, facilities and technical limitations. The CPE is a CSU/DSU and terminates at the demarcation as a 4-wire interface.

At the option of the customer, DDS II may be provided under a Service Discount Plan as specified in, and subject to the limitations set forth in, 7.4.10 following.

- * As of September 1, 2001, DDSII is no longer available with a 2-wire interface (Universal Data Voice Multiplexer technology). The Telephone Company will continue to support DDSII with a 2-wire interface to customers who are subscribing to, or have on order, such service as of September 1, 2001. The customer may retain such service until such time as (i) its designated premises is moved; (ii) it requests that the Telephone Company hub be changed; or (iii) it requests a change to the service that results in a discontinuance and installation of a new service.

Advanced data services include Telephone Company provided switched multi-megabit services. Connections to advanced data services are provided by the Telephone Company where such connections are technically and operationally feasible, as determined by the Telephone Company.

(D)
(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.11 DIGIRouteSM Digital Service II* (Cont'd)(D) Optional Features and Functions* (Cont'd)(2) Secondary Channel Capability (SCC)

Channel conditioning, provided from suitably equipped Hubs, that permits a DDS II channel to be used with a compatible customer-provided Data Service Unit which can derive a lower speed secondary channel at a synchronous rate as described in Technical Reference TR-NPL-000157. The secondary channel operates in parallel with the primary DDS II channel and can provide simultaneous two-way transmission of digital signals between customer premises. The SCC is used for diverse network capabilities including, but not limited to, providing a lower speed data channel or access to a network management system to perform on line diagnostics and testing, data monitoring, traffic measurement, etc. This feature is available on a point to point or multipoint basis, where facilities permit, but is not available with DATAFLASHSM packet switching service or channels which require regenerative repeaters in the loop to the customer premises. Customers must agree to out-of-service periods required to add this feature to an existing channel. Secondary channel capability is not available with 64.0 kbps.

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

	<u>Available with Technical Specifications Package DA-</u>				
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
Central Office Building Capability	X	X	X	X	X
Secondary Channel Capability	X	X	X	X	X

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.12 DOVROUTESM Service(A) Basic Channel Description

A DOVROUTESM service channel is a channel for both synchronous and asynchronous data transmission at speeds of 2.4, 4.8, 9.6 or 19.2 kbps. A DOVROUTESM service Non-Competitive End-User Channel Termination is provided as a derived channel of a local exchange service. The customer may transmit data over the DOVROUTESM service channel simultaneous with a voice transmission. (D)
(C)
(D)

DOVROUTESM service is provided where suitable facilities are available subject to the transmission limitations of the facilities and equipment used by the Telephone Company. It is provided between customer designated premises or between a customer designated premises and a Telephone Company Hub where bridging or multiplexing functions are performed. DOVROUTESM service is also provided between a customer designated premises and a Network Controller Location.

(B) Technical Specifications

The technical specifications for the customer-provided data voice multiplexer are delineated in Technical Reference NTR-74374, Issue No. 2. The technical specifications for interfacing DOVROUTESM service with High Capacity Service are delineated in Technical Reference NTR-74375, Issue No. 2.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.12 DOVROUTESM Service (Cont'd)(C) Channel Interfaces

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

<u>CI</u>	<u>Bit Rate</u>
DV-BA	2.4 kbps
DV-BB	4.8 kbps
DV-BC	9.6 kbps
DV-BL	19.2 kbps

7.2.13 [Reserved for Future Use]

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.14 Advanced Video Services(A) Advanced Uncompressed Digital Video Service(1) Channel Description

Advanced Uncompressed Digital Video Service (AUDVS) is a channel with one-way optical transmission capability of multiple, uncompressed, 8 bit or 10 bit encoded standard 525 line/60 field monochrome, or National Television Systems Committee (NTSC) color, video signals and their associated audio signals. When arranged with 8 bit encoding, each video signal within the AUDVS channel includes up to two associated 20 kHz audio signals or one Broadcast Television Systems Committee (BTSC) stereo audio signal. When arranged with 10 bit encoding, each video signal within the AUDVS channel includes up to four associated 20 kHz audio signals.

AUDVS channels are provided between customer designated premises for two-point configurations or between customer designated premises and a Telephone Company Hub where service may be bridged into a multipoint configuration.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.14 Advanced Video Services (Cont'd)(A) Advanced Uncompressed Digital Video Service (Cont'd)(1) Channel Description (Cont'd)

(D)

The customer must specify the audio signal(s) which are to be associated with each video signal within the AUDVS channel. The number and type of audio signal(s) are a function of the channel interface selected by the customer. Each video signal and its associated audio signal(s) will be designated as a Non-Competitive End-User Channel Termination for the purpose of applying the regulations and rates and charges for AUDVS as follows.

(C)

- Transmit Non-Competitive End-User Channel Termination (First or Additional)

(C)

The Transmit Non-Competitive End-User Channel Termination allows one video signal and its associated audio signal(s) to be transmitted, or originated, over the AUDVS channel to one or more Receive Non-competitive End-User Channel Terminations.

(C)

(C)

- Receive Non-Competitive End-User Channel Termination (First or Additional)

(C)

The Receive Non-Competitive End-User Channel Termination allows receipt of one incoming video signal and its associated audio signal(s).

(C)

- Dual Transit Non-Competitive End-User Channel Termination

(C)

The Dual Transmit Non-Competitive End-User Channel Termination allows the identical video and audio signals of one AUDVS channel to be transmitted over a second AUDVS channel. The Dual Transmit Non-Competitive End-User Channel Termination will also allow the identical video and audio signals which are received over one AUDVS channel to be retransmitted over a second AUDVS channel. In either case, the Dual Transmit Non-Competitive End-User Channel Termination will apply in lieu of any applicable Transmit Non-Competitive End-User Channel Terminations which would normally be required to transmit the video and audio signals over the second channel.

(C)

(C)

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(C)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.14 Advanced Video Services (Cont'd)(A) Advanced Uncompressed Digital Video Service (Cont'd)(1) Channel Description (Cont'd)

- Dual Transmit Non-Competitive End-User Channel Termination (Cont'd) (C)

The Dual Transmit Non-Competitive End-User Channel Termination is available only where two AUDVS channels are provided at the same customer designated premises. One channel shall utilize the Dual Transmit Non-Competitive End-User Channel Termination and the other channel must utilize the applicable Transmit or Receive Non-Competitive End-User Channel Terminations required for the number of video signals provided. (C)

AUDVS will be provided where suitable single mode fiber optic facilities exist to provide such service. Where suitable single mode fiber optic facilities do not exist, subject to the provisions of 2.1.4 Provision of Services, and 5.1.3 Special Construction preceding, AUDVS will be provided within one year from receiving a customer's request for service, or in the case of special construction, within one year from the date the special construction agreement is signed by the customer. (C)

The technical specifications for AUDVS are delineated in Technical Publications TR-INS-000342, TR-NPL-000337 and TR-TSV-000338, Issue No. 2.

At the option of the customer, AUDVS may be provided under a Service Discount Plan as set forth in, and subject to the limitations set forth in, 7.4.10 following.

(2) Optional Features and Functions

(a) Video Bridging (USOC BCNVD)

Video bridging enables AUDVS to be provided in a multipoint service configuration. With Video Bridging, the same video signal that is transmitted from one customer designated premises is received by all other customer designated premises included in the multipoint arrangement. Bridging of AUDVS channels will be performed at Telephone Company Hubs. For the purpose of Video Bridging, all Telephone Company serving wire centers have been designated as Telephone Company Hubs.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 Advanced Video Services (Cont'd)

(A) Advanced Uncompressed Digital Video Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.14 Advanced Video Services (Cont'd)(B) Advanced Broadcast Video Service*(1) Channel Description

Advanced Broadcast Video Service (ABVS) is a digital channel with one-way or two-way transmission capability, at a rate of 44.736 Mbps for a standard 525 line/60 field monochrome, or National Television Systems Committee (NTSC) color, video signal of broadcast quality and up to four associated 15 kHz audio signals. The audio signals are provided as one, up to four, separate channels as specified by the channel interface selected by the customer.

- * ABVS is no longer available for new installations. Customers who are subscribing to, or have on order, ABVS as of August 29, 2001 may continue with the service until such time as service is disconnected, requires a change in the technical characteristics of the service, or requires maintenance which the Telephone Company is unable to repair.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.14 Advanced Video Services (Cont'd)(B) Advanced Broadcast Video Service* (Cont'd)(1) Channel Description (Cont'd)

ABVS channels are provided on a full-time or part-time basis between customer designated premises or between a customer designated premises and a Telephone Company Hub where compatible ABVS channels may be connected together into a Hubbing Arrangement. The hubbing arrangement may not include services other than ABVS.

The technical specifications for ABVS channels are delineated in Technical Publications NTR-74415, Issue No. 1, TR-INS-000342, TR-NPL-000337 and TR-TSV-000338, Issue No. 2.

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* Service availability is limited. See footnote on Page 7-108 for more details.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.14 Advanced Video Services (Cont'd)(B) Advanced Broadcast Video Service* (Cont'd)(1) Channel Description (Cont'd)

The customer may request that compatible Full-time and/or Part-time ABVS channels be connected together at a Telephone Company Hub. The Telephone Company will establish the following service configurations involving ABVS channels.

Full-time to Full-time

Full-time to Part-time

Part-time to Part-time

The charge for each service connected shall be the charge specified for Other Labor as set forth in Section 13.2.5 following.

(2) [Reserved for Future Use]

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7. Special Access Service (Cont'd)

7.2.14 Advanced Video Services (Cont'd)

(1)	<u>Channel Description</u>
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45 Mbps DVTS channels are provided on a full-time or part-time basis over digital network facilities between the customer designated premises involved or between a customer designated premises and a TVOC where compatible channels may be switched. Where suitable facilities are not available to provide 45 Mbps DVTS, Special Construction charges as set forth in Section 5.1.3 preceding may apply. At the customer designated premises, the Telephone Company will install coaxial cable for the transmission facilities within the building up to the channel interface. The channel interface enables delivery of digital audio signals which are embedded in the digital transmission stream. The quality of the video signal may be impaired if the distance of the coaxial cable results in transmission parameters which are not within the limits specified in the technical publications for 45 Mbps DVTS.

(2) Optional Features and Functions

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7. Special Access Service (Cont'd)

7.2.14 Advanced Video Services (Cont'd)

(E) 45 Mbps Digital Video Transport Service (Cont'd)

(3) Technical Specifications

The technical specifications for 45 Mbps DVTS are delineated in Technical Publications American National Standard Institute (ANSI) T1.102-1993 (R1999), ANSI T1.102.01-1996, ANSI T1.107-1995 and in Telcordia Documents SR 4274 A View of Systems M-NTSC Video Jitter and Wander Specifications on Compressed Systems at 45 MBS, and GR 338 Television Special Access and Local Channel Services – Transmission Parameter Limits and Interface Combinations.

The Telephone Company will only accept a 75-ohm impedance interface to/from customer-provided, high quality coaxial cable that meets Telephone Company transmission requirements.

(5) Terms and Conditions

45 Mbps DVTS is available on a month to month basis or under a 1 year, 3 year or 5 year term plan as selected by the customer.

At any time prior to the expiration of a selected term plan, the customer may change to a longer term plan by canceling the existing plan and establishing a new, longer term plan. Early Termination Charges as set forth in 7.4.1(D) will not apply to the cancelled plan.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 Advanced Video Services (Cont'd)

(D) 45 Mbps Digital Video Transport Service (Cont'd)

(5) Terms and Conditions (Cont'd)

Upon expiration of a term plan, the customer's 45 Mbps DVTS will automatically be renewed for the same term at the currently effective rate, or the customer may subscribe to a new plan. To terminate service without incurring new termination liabilities, the customer must disconnect service within 90 days of the expiration date.

(6) Rate Regulations

The rates and charges for 45 Mbps DVTS include Non-Competitive End-User Channel Termination, All other rate elements are detariffed. (C)
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A Non-Competitive End-User Channel Termination rate applies for each termination of 45 Mbps DVTS on a Transmit only or Receive only basis. Included as part of the Non-Competitive End-User Channel Termination is the use of up to twenty-five (25) feet of coaxial cable from the point at which the video service enters the customer's building to the channel interface. In the event that the customer requests that the Telephone Company extend the location of the channel interface beyond 25 feet, and the Telephone Company agrees to extend the communications path, the charges set forth for Other Labor in Section 13.2.5 following will apply for the extended portion of the communications path. The extended communications path is subject to distance limitations which are specific to the communications path being extended. (C)
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The CODEC rate element applies monthly for each codec provided on a 45 Mbps DVTS channel.

45 Mbps DTVS is subject to the Access Order regulations set forth in Section 5. preceding.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.15 [Reserved for Future Use]

*Pages 7-128 thru 7-129 have been removed

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7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.18 [Reserved for Future Use]

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7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

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7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

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7. Special Access Service (Cont'd)

7.2 Service Description (Cont'd)

7.2.21 [Reserved for Future Use]

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7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes

This section explains the Channel Interface codes and Network Channel codes that the customer must specify when ordering Special Access Service for Non-Competitive End User Channel Terminations and Optional Features and Functions regulated in this tariff. Codes necessary to order special Access Service rate elements which are detariffed as described as competitive in section 7.4.12 are also included in this section. Included is an example which explains the specific characters of the code, a glossary of Channel Interface codes, impedance levels, Network Channel codes and compatible Channel Interfaces.

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Example: If the customer specifies a NT Network Channel Code and a 02DC8.3 Channel Interface at the customer's designated premises, the following is being requested:

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

7.3.1 Glossary of Channel Interface Codes and Options

<u>Code</u>	<u>Option</u>	<u>Definition</u>
AB -		accepts 20 Hz ringing signal at customer's Point of Termination
AC -		accepts 20 Hz ringing signal at customer's end user's Point of Termination
AH -		analog high capacity interface
- B		60 kHz to 108 kHz (12 channels)
- C		312 kHz to 552 kHz (60 channels)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
CS-		digital hierarchy interface at a digital cross-connect system
-	10R	reconfigurable through DCS at DS1 to DSO level
-	11R	reconfigurable through DCS at DS1 to DS1 level
-	15	1.544 Mbps (DS1) format per PUB 62411 Plus D4
-	15B*	1.544 Mbps (DS1) Superframe (SF) format and B8ZS clear channel capability
-	15J*	1.544 Mbps (DS1) per PUB 62411
-	15K*	1.544 Mbps (DS1) format per PUB 62411 plus extended framing format
-	15L*	1.544 (DS1) format with SF signaling
-	15S*	1.544 Mbps (DS1) format with B8ZS clear channel capability per Technical Reference PUB TR-INS-000342
-	44	44.736 Mbps
-	30R	reconfigurable through DCS at DS3 to DSO level
-	31R	reconfigurable through DCS at DS3 to DS1 level
CT-		Centrex Tie Trunk Termination
CX-		digital termination on a Switch
DA-		data stream in VF frequency band at customer's end user's Point of Termination
DB-		data stream in VF frequency band at customer's Point of Termination
-	10	Frequency shift (108 data set type)
-	43	43A1 to 43B1 Carrier format

* For mid-Link applications only.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
DC-		direct current or voltage
-	1	monitoring interface with series RC combination (McCulloh format)
-	2	Telephone Company energized alarm channel
-	3	Metallic facilities (DC continuity) for direct current/low frequency control signals or slow speed data (30 baud)
DD-		DATAPHONE® Select-A-Station (and TABS) interface at customer's Point of Termination
DE-		DATAPHONE® Select-A-Station (and TABS) interface at the customer's end user's Point of Termination
DS-		digital hierarchy interface
-	1S	1.544 Mbps (DS1) ANSI T1.403-1989 Extended Superframe (ESF) and B8ZS Clear Channel Capability
-	15	1.544 Mbps (DS1) format per PUB 62411 plus D4
-	15B	1.544 Mbps (DS1) Superframe (SF) format and B8ZS Clear Channel Capability
-	15E	8-bit PCM encoded in one 64 kbps of the DS1 signal
-	15F	8-bit PCM encoded in two 64 kbps of the DS1 signal
-	15G	8-bit PCM encoded in three 64 kbps of the DS1 signal
-	15H	14/11-bit PCM encoded in six 64 kbps of the DS1 signal
-	15J	1.544 Mbps (DS1) format per PUB 62411
-	15K	1.544 Mbps (DS1) format per PUB 62411 plus extended framing format
-	15L	1.544 Mbps (DS1) with SF signaling
-	15S	1.544 Mbps (DS1) format with B8ZS Clear Channel Capability per Technical Reference PUB TR-INS-000342
-	31	3.152 Mbps (DS1C)
-	31L	3.152 Mbps (DS1C) with SF signaling
-	44	44.736 Mbps (DS3)
-	44A	44.736 Mbps digital video and audio; or 44.736 Mbps (DS3) unchannelized and C-Bit Parity per GR-342, Issue 1
-	44I	44.736 Mbps (DS3) with C-Bit Parity
-	44L	44.736 Mbps (DS3) with SF signaling

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
DU-		digital access interface
- 19		19.2 kbps
- 19S		19.2 kbps with Secondary Channel Capability
- 24		2.4 kbps
- 24S		2.4 kbps with Secondary Channel Capability
- 48		4.8 kbps
- 48S		4.8 kbps with Secondary Channel Capability
- 56		56.0 kbps
- 56S		56.0 kbps with Secondary Channel Capability
- 96		9.6 kbps
- 96S		9.6 kbps with Secondary Channel Capability
- A		1.544 Mbps (DS1) format per PUB 62411
- B		1.544 Mbps (DS1) format per PUB 62411 plus D4
- 1K		1.544 Mbps (DS1) format per PUB 62411 plus extended framing format
- D		1.544 Mbps (DS1) Superframe (SF) format per TR-NPL-000054 with B8ZS Clear Channel Capability
- S		1.544 Mbps (DS1) format with B8ZS Clear Channel Capability per TR-NPL-000054
DV-		data/voice interface
- BA		2.4 kbps
- BB		4.8 kbps
- BC		9.6 kbps
- BL		19.2 kbps
DX-		duplex signaling interface at customer's Point of Termination
DY-		duplex signaling interface at customer's end user's Point of Termination

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
EA	- E	Type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead
EA	- M	Type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead
EB	- E	Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead
EB	- M	Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead
EC	-	Type III E&M signaling at customer POT
EX	- A	tandem channel unit signaling for loop start or ground start and customer supplies open end (dial tone, etc.) functions
EX	- B	tandem channel unit signaling for loop start or ground start and customer supplies closed end (dial pulsing, etc.) functions

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
FC -		optical interface
	1	133 Mbps Fibre Channel
	2	266 Mbps Fibre Channel
	5	531 Mbps Fibre Channel
	10C	FDDI SM 125 Mbps
	10D	FDDI MM 125 Mbps
	13	135 Mbps (3 - DS3s) optical interface transmission bit rate
	15	wavelength channel at 155.520 Mbps
	20	200 Mbps optical interface transmission bit rate
	62	wavelength channel at 2.488 Gbps
	FC	fibre channel 1.06 Gbps
	CCS	ESCON® 200 Mbps
	GFM	FICON 1.06 Gbps
	GIS	ISC 1.06 Gbps
	CTS	ETR/CLO 8 Mbps
	FS	flexible bandwidth of 115.520 Mbps to 2.5 Gbps
	40	405 Mbps (9 - DS3s) optical interface transmission bit rate
	54	560 Mbps (12 - DS3s) optical interface
FM -		DWDM 4-port
	S	sub rate multiplexing, 1.25 Gbps transmission bit rate
GO -		ground start loop signaling - open end function by customer or customer's end user
GS -		ground start loop signaling - closed end function by customer or customer's end user
-	C	Centrex foreign exchange termination
-	M	for termination in central office located answering service concentrator
IA -		E.I.A. (25 pin RS-232)
LA -		end user loop start loop signaling - Type A OPS registered port open end
LB -		end user loop start loop signaling - Type B OPS registered port open end
LC -		end user loop start loop signaling - Type C OPS registered open end
LO -		loop start signaling - open end function by customer or customer's end user
LN -		Local Area Network Interface
	100	Fast Ethernet 125 Mbps
	1GE	Gigabit Ethernet 1.25 Gbps

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
LR-		20 Hz automatic ringdown interface at customer POT with Telephone Company provided PLAR
-	A*	DA Type PLAR channel unit signaling format
-	B*	DS Type PLAR channel unit signaling format
LS-		loop start loop signaling – closed end function by customer or customer's end user
-	M	for terminating in central office located answering service concentrator
NO-		no signaling interface, transmission only
OP-		Optical Parameter
	F	Facility
SO-		SONET Optical
-	AB	Long Range Multilongitudinal Mode (LR1-MLM) Bidirectional Ring
-	AU	LR1-MLM Unidirectional Ring
-	BB	Long Range Single Longitudinal Mode (LR1-SLM) Bidirectional Ring
-	BU	LR1-SLM Unidirectional Ring
-	CB	Intermediate Range Multilongitudinal Mode (IR1-MLM) Bidirectional Ring
-	CU	IR1-MLM Unidirectional Ring
-	DB	Intermediate Range Single Longitudinal Mode (IR1-SLM) Bidirectional Ring
-	DU	IR1-SLM Unidirectional Ring
-	EB	Short Range Multilongitudinal Mode Light Emitting Diode (SR-MLM/LED) Bidirectional Ring
-	EU	SR-MLM/LED Unidirectional Ring
-	FB	Short Range Multilongitudinal Mode (SR-MLM) Bidirectional Ring
-	FU	SR-MLM Unidirectional Ring
SN-		SONET Network
	F	Facility
ST-		Synchronous Transmission Signal (STS)
-	A	STS-1 (51.840 Mbps)

* The designation of the A or B option signifies the type of channel unit employed at the distant end.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
PG-		program transmission - no dc signaling
-	1	nominal frequency from 50 to 15000 Hz
-	3	nominal frequency from 200 to 3500 Hz
-	5	nominal frequency from 100 to 5000 Hz
-	8	nominal frequency from 50 to 8000 Hz
PR-		protective relaying*
RV-	O	reverse battery signaling, one way operation, originate by customer
-	T	reverse battery signaling, one way operation, terminate function by customer or customer's end user
SF-		single frequency signaling with VF band at either customer POT or customer's end user
SO-		SONET/SONET Digital Hierarch Optical Interface POT
TB	-0	Hi-Def broadband digital video transport (receive only)
	0-	Hi-Def broadband digital video transport (transmit only)
TD	-0	serial component digital video-uncompressed (receive only)
	0-	serial component digital video-uncompressed (transmit only)
TE	-0	45 Mbps broadband digital video transport (receive only)
	0-	45 Mbps broadband digital video transport (transmit only)
TF-		telephotograph interface
TT-		telegraph/teletypewriter interface at either customer POT or customer's end user
-	2	20.0 milliamperes
-	3	3.0 milliamperes
-	6	62.5 milliamperes

* Available only for the transmission of audio tone protective relaying signals used in the protection of electric power systems during fault conditions.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
TV-		television interface
-	0	video signal only (no audio)
-	1	combined (diplexed) video and one 15kHz audio signal
-	2	combined (diplexed) video and two 15kHz audio signals
-	5	video plus one (or two) two-wire 5 kHz audio signal(s)
-	15	video plus one (or two) 15 kHz audio signal(s)
-	15A	video plus one through four 15 kHz audio signal(s)
-	17	video and composite BTSC stereo audio signal
-	20	video plus one through four 20 kHz audio signal(s)
WA-		wideband bandwidth interface at customer's end user POT
-	1	limited bandwidth
-	2	nominal passband from 29000 to 44000 Hz

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>
WB -		wideband data interface at customer POT
- 18S		18.75 kbps, synchronous
- 19A		up to 19.2 kbps asynchronous
- 19S		19.2 kbps synchronous
- 23A		up to 230.4 kbps, asynchronous
- 23S		230.4 kbps, synchronous
- 40S		40.8 kbps, synchronous
- 50A		up to 50.0 kbps, asynchronous
- 50S		50.0 kbps, synchronous
WC -		wideband data interface at customer's end user POT
- 18		18.75 kbps, synchronous
- 19		for 12-wire interface: 19.2 kbps, synchronous for 10-wire interface: up to 19.2 kbps, asynchronous
- 23		up to 230.4 kbps, asynchronous
- 23S		230.4 kbps, synchronous
- 40		40.8 kbps, synchronous
- 50		for 12-wire interface: 50.0 kbps, synchronous for for 10-wire interface: up to 50.0 kbps, asynchronous
WD -		wideband bandwidth interface at customer POT
- 1		nominal passband from 300 to 18000 Hz
- 2		nominal passband from 28000 to 44000 Hz
- 3		nominal passband from 29000 to 44000 Hz

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.2 Impedance

The nominal reference impedance with which the channel will be terminated for the purpose of evaluating transmission performance:

<u>Value (ohms)</u>	<u>Code(s)</u>
110	0
150	1
600	2
900	3+
135	5
75	6
124	7
Variable	8
100	9

- + For those interface codes with a 4-wire transmission path at the customer designated POT, rather than a standard 900 ohm impedance, the code (3) denotes a customer provided transmission equipment termination. Such terminations were provided to customers in accordance with the F.C.C. Docket No. 20099 Settlement Agreement.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.3 Digital Hierarchy Channel Interface Codes (4DS)

Customers selecting the multiplexed four-wire DS1 or higher facility interface option at the customer designated premises will be requested to provide subsequent system and channel assignment data. The various digital bit rates in the digital hierarchy employ the channel interface code 04STF, 4DS9, 4DS6 or 04SOF plus the speed options indicated below:

<u>Interface Code and Speed Option</u>	<u>Nominal Bit Rate(Mbps)</u>	<u>Digital Hierarchy Level</u>
4CS9-15	1.544	DS1
4DS9-15	1.544	DS1
4DS9-31	3.152	DS1C
4DS6-44	44.736	DS3
04STF-A	51.840	STS-1

<u>Optical Fiber Interface Option Code and Speed Option</u>	<u>Nominal Bit Rate (Mbps)</u>	<u>Number of Equivalent DS3s</u>
2FCF-13	135	3
2FCF-40	405	9
2FCF-54	560	12
04SOF-A*,C*,E* OR F*	155.520	3
045OF-A*,B*,C*,D*,E* OR F*	622.080	12
04SOF-A*,B*,C*,D*,E* OR F*	2488.320 (2.488 GBPS)	48

* B or U

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.4 Service Designator/Network Channel Code Conversion Table

The purpose of this table is to show the relationship between the service designator codes (e.g. VGC, MT2, etc.) and the network channel codes that are used for various administrative purposes.

<u>Service Designator Code</u>	<u>Network Channel Code</u>
MTC	MQ
MT1	NT
MT2	NU
MT3	NV
TGC	NQ
TG1	NW
TG2	NY
VGC	LQ
VG1	LB
VG2	LC

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.4 Service Designator/Network Channel Code Conversion Table (Cont'd)

Service Designator <u>Code</u>	Network Channel <u>Code</u>
VG3	LD
VG4	LE
VG5	LF
VG6	LG
VG7	LH
VG8	LJ
VG9	LK
VG10	LN
VG11	LP
VG12	LR
APC	PQ
AP1	PE
AP2	PF
AP3	PJ
AP4	PK
TVC	TQ
TVD	DS
TV1D	TV
TV1	TV
TV2	TW
TV3	TZ
WA1	WJ
WA2	WL
WA3	WN
WA4	WP
WD1	WB
WD2	WE

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.4 Service Designator/Network Channel Code Conversion Table (Cont'd)

Service Designator <u>Code</u>	Network Channel <u>Code</u>
WD3	WF
DA1	XA
DA2	XB
DA3	XG
DA4	XH
DA5	XE
DOV	LV
HC0	HS
HC1	HC
HC1C	HD
HC3	HF, HH
WAL1	SE
WAL1	SF
WAL2	SF
OC3	OB
OC12	OD
OC48	OF

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces

The following tables show the channel interface codes (CIs) which are compatible:

(A) MetallicCompatible CIs

02DC8.1	02DC8.2
02DC8.3	02DC8.3
04DS6.*	02DC8.1
04DS6.*	02DC8.2
04DS9.*	02DC8.1
04DS9.*	02DC8.2

* See 7.3.3 preceding for explanation.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(B) Telegraph Grade

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
04CS9.*	02TT2.2	04DB2.43+	04TT2.2	02TT2.2	02TT2.2
04CS9.*	02TT2.6	04DS6.*	02TT2.2	02TT2.3	02TT2.2
04CS9.*	04TT2.2	04DS6.*	02TT2.6	02TT2.3	04TT2.2
04CS9.*	04TT2.6	04DS6.*	04TT2.2	02TT2.6	02TT2.6
02DB2.10	02TT2.2	04DS6.*	04TT2.6	02TT2.6	04TT2.2
02DB2.10	04TT2.2	04DS9.*	02TT2.2	04TT2.2	04TT2.2
02DB2.43+	02TT2.2	04DS9.*	02TT2.6	04TT2.6	02TT2.6
02DB2.43+	02TT2.6	04DS9.*	04TT2.2		
02DB2.43+	04TT2.2	04DS9.*	04TT2.6		
04DB2.10	02TT2.2				
04DB2.10	04TT2.2				
04DB2.43+	02TT2.6				

* See 7.3.3 preceding for explanation.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(C) Voice Grade

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
04AB2	04AB2	04CS9.*	09DY2	04CS9.*	02LA2
04AB2	04AC2	04CS9.*	09DY3	04CS9.*	02LB2
04AB3	04AC2	04CS9.*	06DY3	04CS9.*	02LC2
04AB2	02AC2	04CS9.*	06DY2	04CS9.*	02LO2
04AB3	02AC2	04CS9.*	04DY2	04CS9.*	02LO3
02AB2	02AC2	04CS9.*	02DY2	04CS9.*	04LR2
02AB3	02AC2	04CS9.*	09EA2	04CS9.*	02LR2
04AB2	04SF2	04CS9.*	09EA3	04CS9.*	06LS2
04AB3	04SF2	04CS9.*	06EA2.E	04CS9.*	04LS2
04AC2	04AC2	04CS9.*	06EA2.M	04CS9.*	02LS2
04AC2	02AC2	04CS9.*	04EA2.E	04CS9.*	02LS3***
04CS9.*	04AC2	04CS9.*	04EA2.M	04CS9.*	02N02
04CS9.*	02AC2	04CS9.*	08EB2.E	04CS9.*	04RV2.T
04CS9.*	06DA2	04CS9.*	08EB2.M	04CS9.*	02RV2.T
04CS9.*	04DA2	04CS9.*	06EB2.E	04CS9.*	04SF3
04CS9.*	02DA2	04CS9.*	06EB2.M	04CS9.*	04TF2
04CS9.*	04DE2	04CS9.*	02G02	04CS9.*	02TF2
04CS9.*	02DE2	04CS9.*	02G03		
04CS9.*	04DX2	04CS9.*	06GS2		
04CS9.*	04DX3	04CS9.*	04GS2		
		04CS9.*	02GS2		
		04CS9.*	02GS3**		

* See 7.3.1 preceding for explanation. The Channel Interface 04CS6.* may be substituted for 04CS9.*.

** The "C" and "M" options as described in 7.3.1 preceding are also available with this combination (i.e., 02GS3.C or 02GS3.M).

*** The "M" option as described in 7.3.1 preceding is also available with this combination (i.e., 02LS3.M).

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(C) Voice Grade (Cont'd)

<u>Compatible CIs</u> ≠		<u>Compatible CIs</u> ≠		<u>Compatible CIs</u> ≠	
04CT2	04CS9.#	02CT3	08EB2.E	06DA2	06DA2
02CT3	04CS9.#	02CT3	08EB2.M	06DA2	04DA2
02CT3	04DS6.*	02CT3	06EB2.E	06DA2	02DA2
02CT2	04DS9.*	02CT3	06EB2.M	04DA2	04DA2
02CT3	06DX2	02CT3	06EB3.E	04DA2	02DA2
02CT3	04DX2	02CT3	08EC2	02DA2	02DA2
02CT3	04DX3	04CT2	04SF2	04DB2	06DA2
02CT3	09DY3	02CT3	04SF2	04DB2	04DA2
02CT3	06DY3	02CT3	04SF3	04DB2	02DA2
02CT3	09DY2	04CT2	04DS9.*	02DB3	02DA2
02CT3	06DY2	04CT2	04DX2	02DB2	02DA2
02CT3	04DY2	04CT2	06EA2.E	04DB2	04DB2
02CT3	02DY2	04CT2	06EA2.M	04DB2	04N02
02CT3	09EA3	04CT2	08EB2.E	04DB2	02N02
02CT3	09EA2	04CT2	08EB2.M	04DB2	04PR2
02CT3	06EA2.E	04CT2	08EC2	04DB2	02PR2
02CT3	06EA2.M			02DB2	02PR2
02CT3	04EA2.E				
02CT3	04EA2.M				

* See 7.3.3. preceding for explanation.

See 7.3.1 preceding for explanation. The Channel Interface 04C26.# may be substituted for 04CS9.#.

≠ The SONET channel interface code 02SOF.B, D or F; 04SOF.B, D or F; or 04SMF.A3, A21, A12, AC, AF, A03, B, B9, C6, E, EE, FD, GC, or H may be substituted for the channel interface code 04DS6.* or 04DS9.*.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(C) Voice Grade (Cont'd)

<u>Compatible CIs</u> ≠		<u>Compatible CIs</u> ≠		<u>Compatible CIs</u> ≠	
04DD3	04DE2	04DS9.*	04DE2	04DS9.*	02DY2
04DD3	02DE2	04DS9.*	02DE2	04DS6.*	09EA2
04DS6.*	04AC2	04DS9.*	04DX3	04DS6.*	06EA2.E
04DS6.*	02AC2	04DS6.*	04DX2	04DS6.*	06EA2.M
04DS9.*	04AC2	04DS9.*	04DX2	04DS6.*	04EA2.E
04DS9.*	02AC2	04DS6.*	09DY2	04DS6.*	04EA2.M
04DS6.*	06DA2	04DS6.*	06DY2	04DS9.*	09EA2
04DS6.*	04DA2	04DS9.*	09DY3	04DS9.*	09EA3
04DS6.*	02DA2	04DS9.*	09DY2	04DS9.*	06EA2.E
04DS9.*	06DA2	04DS9.*	06DY3	04DS9.*	06EA2.M
04DS9.*	04DA2	04DS9.*	06DY2	04DS9.*	04EA2.E
04DS9.*	02DA2	04DS6.*	04DY2	04DS9.*	04EA2.M
04DS6.*	04DE2	04DS6.*	02DY2		
		04DS9.*	04DY2		

* See 7.3.3 preceding for explanation.

≠ The SONET channel interface code 02SOF.B, D or F; 04SOF.B, D or F; or 04SMF.A3, A21, A12, AC, AF, A03, B, B9, C6, E, EE, FD, GC, or H may be substituted for the channel interface code 04DS6.* or 04DS9.*.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(C) Voice Grade (Cont'd)

<u>Compatible CIs</u> ≠		<u>Compatible CIs</u> ≠		<u>Compatible CIs</u> ≠	
04DS6.*	08EB2.E	04DS6.*	02LB2	04DS6.*	02N02
04DS6.*	08EB2.M	04DS9.*	02LB2	04DS9.*	04N02
04DS6.*	06EB2.E	04DS6.*	02LC2	04DS9.*	02N02
04DS6.*	06EB2.M	04DS9.*	02LC2	04DS6.*	04PR2
04DS9.*	08EB2.E	04DS6.*	02LO2	04DS6.*	02PR2
04DS9.*	08EB2.M	04DS9.*	02LO2	04DS9.*	04PR2
04DS9.*	06EB2.E	04DS9.*	02LO3	04DS9.*	02PR2
04DS9.*	06EB2.M	04DS6.*	04LR2	04DS6.*	04RV2.T
04DS6.*	02GO2	04DS9.*	04LR2	04DS6.*	02RV2.T
04DS9.*	02GO2	04DS6.*	02LR2	04DS9.*	04RV2.T
04DS9.*	02GO3	04DS9.*	02LR2	04DS9.*	02RV2.T
04DS6.*	06GS2	04DS6.*	06LS2	04DS6.*	04SF2
04DS6.*	04GS2	04DS6.*	04LS2	04DS9.*	04SF2
04DS6.*	02GS2	04DS6.*	02LS2	04DS9.*	04SF3
04DS9.*	06GS2	04DS9.*	06LS2	04DS6.*	04TF2
04DS9.*	04GS2	04DS9.*	04LS2	04DS9.*	04TF2
04DS9.*	02GS2	04DS9.*	02LS2	04DS9.*	02TF2
04DS9.*	02GS3**	04DS9.*	02LS3***		
04DS6.*	02LA2	04DS6.*	04NO2		
04DS9.*	02LA2				

* See 7.3.3 preceding for explanation.

** The "C" and "M" options as described in 7.3.1 preceding are also available with this combination (i.e., 02GS3.C or 02GS3.M).

*** The "M" option as described in 7.3.1 preceding is also available with this combination (i.e., 02LS3.M).

≠ The SONET channel interface code 02SOF.B, D or F; 04SOF.B, D or F; or 04SMF.A3, A21, A12, AC, AF, A03, B, B9, C6, E, EE, FD, GC, or H may be substituted for the channel interface code 04DS6.* or 04DS9.*.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(C) Voice Grade (Cont'd)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
04DX2	04DX2	04DX3	06DY3	04DX3	09EA2
04DX3	04DX2	04DX2	06DY2	04DX2	09EA3
04DX3	04DX3	04DX3	06DY2	04DX3	09EA3
06DX2	09DY3	04DX2	04DY2	04DX2	06EA2.E
06DX2	09DY2	04DX3	04DY2	04DX3	06EA2.E
06DX2	06DY3	04DX2	02DY2	04DX2	06EA2.M
06DX2	06DY2	04DX3	02DY2	04DX3	06EA2.M
06DX2	04DY2	06DX2	09EA3	04DX2	04EA2.E
06DX2	02DY2	06DX2	09EA2	04DX3	04EA2.E
04DX2	09DY3	06DX2	06EA2.E	04DX2	04EA2.M
04DX3	09DY3	06DX2	06EA2.M	04DX3	04EA2.M
04DX2	09DY2	06DX2	04EA2.E		
04DX3	09DY2	06DX2	04EA2.M		
04DX2	06DY3	04DX2	09EA2		

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7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(C) Voice Grade (Cont'd)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
06DX2	08EB2.E	04DX2	06LS2	09DY2	06DY3
06DX2	08EB2.M	04DX3	06LS2	09DY3	04DY2
06DX2	06EB2.E	04DX3	04LS2	09DY2	04DY2
06DX2	06EB2.M	04DX2	04LS2	09DY2	02DY2
04DX2	08EB2.E	04DX3	02LS3*	09DY3	02DY2
04DX2	08EB2.M	04DX2	02LS3*	06DY3	06DY3
04DX3	08EB2.E	04DX3	02LS2	06DY3	06DY2
04DX3	08EB2.M	04DX2	02LS2	06DY2	06DY2
04DX2	06EB2.E	02DX3	02LS2	06DY3	04DY2
04DX2	06EB2.M	02DX3	02LS3*	06DY3	02DY2
04DX3	06EB2.E	04DX3	04RV2.T	06DY2	04DY2
04DX3	06EB2.M	04DX2	04RV2.T	06DY2	02DY2
04DX2	02LA2	04DX3	02RV2.T	04DY2	02DY2
04DX3	02LA2	04DX2	02RV2.T	04DY2	04DY2
02DX3	02LA2	06DX2	04SF2	02DY2	02DY2
04DX2	02LB2	04DX2	04SF2	06EA2.E	04AC2
04DX3	02LB2	04DX3	04SF2	06EA2.M	04AC2
02DX3	02LB2	04DX2	04SF3	06EA2.E	02AC2
04DX2	02LC2	04DX3	04SF3	06EA2.M	02AC2
04DX3	02LC2	09DY3	09DY3	09EA2	09DY3
02DX3	02LC2	09DY3	09DY2	09EA2	09DY2
04DX2	02LO3	09DY2	09DY2	09EA2	06DY3
04DX3	02LO3	09DY3	06DY3	09EA2	06DY2
		09DY3	06DY2	09EA2	04DY2
		09DY2	06DY2	09EA2	02DY2
				09EA3	09DY3

* The "M" option as described in 7.3.1 preceding is also available with this combination (i.e., 02LS3.M).

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7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(C) Voice Grade (Cont'd)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
09EA3	09DY2	04EA2.M	09DY2	04EA2.E	09EA2
09EA3	06DY3	04EA2.M	06DY3	04EA2.E	09EA3
09EA3	06DY2	04EA2.M	06DY2	04EA2.M	04EA2.M
09EA3	04DY2	04EA2.M	04DY2	09EA2	08EB2.E
09EA3	02DY2	04EA2.M	02DY2	09EA2	08EB2.M
06EA2.E	09DY3	09EA2	09EA2	09EA2	06EB2.E
06EA2.E	09DY2	09EA2	09EA3	09EA2	06EB2.M
06EA2.E	06DY3	09EA2	06EA2.E	09EA3	08EB2.E
06EA2.E	06DY2	09EA2	06EA2.M	09EA3	08EB2.M
06EA2.E	04DY2	09EA2	04EA2.E	09EA3	06EB2.E
06EA2.E	02DY2	09EA2	04EA2.M	09EA3	06EB2.M
06EA2.M	09DY3	09EA3	09EA3	06EA2.E	08EB2.E
06EA2.M	09DY2	09EA3	06EA2.E	06EA2.E	08EB2.M
06EA2.M	06DY3	09EA3	06EA2.M	06EA2.E	06EB2.E
06EA2.M	06DY2	09EA3	04EA2.E	06EA2.E	06EB2.M
06EA2.M	04DY2	09EA3	04EA2.M	06EA2.M	08EB2.E
06EA2.M	02DY2	06EA2.E	06EA2.E	06EA2.M	08EB2.M
04EA3.E	09DY3	06EA2.E	06EA2.M	06EA2.M	06EB2.E
04EA3.E	09DY2	06EA2.M	06EA2.M	06EA2.M	06EB2.M
04EA3.E	09DY3	06EA2.E	04EA2.E	04EA2.E	08EB2.E
04EA3.E	09DY2	06EA2.E	04EA2.M	04EA2.E	08EB2.M
04EA3.E	06DY3	06EA2.M	04EA2.E	04EA3.E	08EB2.E
04EA3.E	06DY2	06EA2.M	04EA2.M	04EA3.E	08EB2.M
04EA3.E	04DY2	04EA2.E	04EA2.E	04EA2.E	06EB2.E
04EA3.E	02DY2	04EA3.E	06EA2.E	04EA2.E	06EB2.M
04EA2.E	06DY3	04EA3.E	06EA2.M	04EA3.E	06EB2.E
04EA2.E	06DY2	04EA3.E	04EA2.E	04EA3.E	06EB2.M
04EA2.E	04DY2	04EA3.E	04EA2.M	04EA2.M	08EB2.E
04EA2.E	02DY2	04EA2.E	04EA2.M		
04EA2.M	09DY3				

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7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(C) Voice Grade (Cont'd)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
04EA2.M	08EB2.M	09EA3	04SF2	06EB3.E	09DY2
04EA2.M	06EB2.E	09EA2	04SF2	06EB3.E	09DY3
04EA2.M	06EB2.M	06EA2.E	04SF3	06EB2.E	06DY2
06EA2.E	02LA2	06EA2.M	04SF3	06EB3.E	06DY2
06EA2.M	02LA2	06EA2.E	04SF2	06EB2.E	06DY3
06EA2.E	02LB2	06EA2.M	04SF2	06EB3.E	06DY3
06EA2.M	02LB2	04EA3.E	04SF2	06EB2.E	04DY2
06EA2.E	02LC2	04EA2.E	04SF2	06EB3.E	02DY2
06EA2.M	02LC2	04EA2.M	04SF2	06EB3.E	04DY2
06EA2.E	02LO3	08EB2.E	04AC2	06EB3.M	09DY2
06EA2.M	02LO3	08EB2.M	04AC2	06EB2.M	09DY3
06EA2.E	06LS2	08EB2.E	02AC2	06EB2.M	06DY2
06EA2.M	06LS2	08EB2.M	02AC2	06EB2.M	06DY3
06EA2.E	04LS2	08EB2.E	09DY3	06EB2.M	04DY2
06EA2.M	04LS2	08EB2.E	09DY2	06EB2.E	02DY2
06EA2.E	02LS2	08EB2.E	06DY3	06EB2.M	02DY2
06EA2.M	02LS2	08EB2.E	06DY2	06EB3.E	09EA2
06EA2.E	02LS3*	08EB2.E	04DY2	06EB3.E	09EA3
06EA2.M	02LS3*	08EB2.E	02DY2	06EB3.E	06EA2.E
06EA2.E	04RV2.T	08EB2.M	09DY3	06EB3.E	06EA2.M
06EA2.M	04RV2.T	08EB2.M	09DY2	06EB3.E	04EA2.E
06EA2.E	02RV2.T	08EB2.M	06DY3	06EB3.E	04EA2.M
06EA2.M	02RV2.T	08EB2.M	06DY2	08EB2.E	08EB2.E
		08EB2.M	04DY2	08EB2.E	08EB2.M
		08EB2.M	02DY2	08EB2.M	08EB2.M
		06EB2.E	09DY2	08EB2.E	06EB2.E
		06EB2.E	09DY3	08EB2.E	06EB2.M

* The "M" option as described in 7.3.1 preceding is also available with this combination (i.e., 02LS3.M).

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7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(C) Voice Grade (Cont'd)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
08EB2.M	06EB2.E	08EB2.E	04RV2.T	08EC2	08EB2.M
08EB2.M	06EB2.M	08EB2.M	04RV2.T	08EC2	06EB2.E
06EB2.E	06EB2.E	08EB2.E	02RV2.T	08EC2	06EB2.M
06EB2.E	06EB2.M	08EB2.M	02RV2.T	08EC2	04SF2
06EB3.E	08EB2.E	08EB2.E	04SF2	06EX2.B	02G03
06EB3.E	08EB2.M	08EB2.M	04SF2	06EX2.A	06GS2
06EB2.M	06EB2.M	08EB2.E	04SF3	06EX2.A	04GS2
08EB2.E	02LA2	08EB2.M	04SF3	06EX2.A	02GS2
08EB2.M	02LA2	06EB3.E	04SF2	06EX2.A	02GS3**
08EB2.E	02LB2	06EB2.E	04SF2	06EX2.B	02LA2
08EB2.M	02LB2	06EB2.M	04SF2	06EX2.B	02LB2
08EB2.E	02LC2	08EC2	09DY2	06EX2.B	02LC2
08EB2.M	02LC2	08EC2	09DY3	06EX2.B	02LO2
08EB2.E	02LO3	08EC2	06DY2	06EX2.B	02LO3
08EB2.M	02LO3	08EC2	06DY3	06EX2.B	04LR2
08EB2.E	06LS2	08EC2	04DY2	06EX2.B	02LR2
08EB2.M	06LS2	08EC2	02DY2	06EX2.A	06LS2
08EB2.E	04LS2	08EC2	09EA2	06EX2.A	04LS2
08EB2.M	04LS2	08EC2	09EA3	06EX2.A	02LS2
08EB2.E	02LS2	08EC2	06EA2.E	06EX2.A	02LS3*
08EB2.M	02LS2	08EC2	06EA2.M		
08EB2.E	02LS3*	08EC2	04EA2.E		
08EB2.M	02LS3*	08EC2	04EA2.M		
		08EC2	08EB2.E		

** The "C" and "M" options as described in 7.3.1 preceding are also available with this combination (i.e., 02GS3.C or 02GS3.M).

* The "M" option as described in 7.3.1 preceding is also available with this combination (i.e., 02LS3.M).

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(C) Voice Grade (Cont'd)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
06EX2.A	04SF2	06L02	06LS2	04LR3	04SF2
06EX2.B	04SF2	06L02	04LS2	06LS2	02LA2
06G02	06GS2	06L02	02LS2	04LS2	02LA2
06G02	04GS2	06L02	02LS3**	04LS3	02LA2
06G02	02GS2	04L02	06LS2	02LS2	02LA2
06G02	02GS3*	04L02	04LS2	02LS3**	02LA2
04G02	06GS2	04L03	06LS2	06LS2	02LB2
04G03	06GS2	04L03	04LS2	04LS2	02LB2
04G02	04GS2	04L03	02LS3**	04LS3	02LB2
04G03	04GS2	04L03	02LS2	02LS2	02LB2
04G02	02GS2	04L02	02LS2	02LS3**	02LB2
04G02	02GS3*	04L02	02LS3**	06LS2	02LC2
04G03	02GS2	02L03	02LS3**	04LS2	02LC2
04G03	02GS3*	02L03	02LS2	04LS3	02LC2
02G02	02GS2	02L02	02LS2	02LS2	02LC2
02G03	02GS2	02L02	02LS3**	02LS3**	02LC2
02G02	02GS3*	06L02	04SF2	06LS2	02LO3
02G03	02GS3*	04L02	04SF2	06LS2	02LO2
06G02	04SF2	04L03	04SF2	04LS2	02LO2
04G02	04SF2	04LR3	04LR2	04LS2	02LO3
04G03	04SF2	04LR3	02LR2	04LS3	02LO2
06GS2	02G02	04LR2	04LR2	04LS3	02LO3
04GS2	04G02	04LR2	02LR2		
04GS2	02G02	02LR2	02LR2		
04GS3	02G02	02LR3	02LR2		
04GS2	02G03	04LR2	04SF2		

* The "C" and "M" options as described in 7.3.1 preceding are also available with this combination (i.e., 02GS3.C or 02GS3.M).

** The "M" option as described in 7.3.1 preceding is also available with this combination (i.e., 02LS3.M).

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(C) Voice Grade (Cont'd)

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
06LS2	04SF2	04SF2	09DY3	04SF2	02LB2
04LS3	04SF2	04SF3	06DY3	04SF3	02LB2
04NO2	06DA2	04SF2	06DY2	04SF2	02LC2
04NO2	04DA2	04SF2	06DY3	04SF3	02LC2
04NO2	02DA2	04SF3	06DY2	04SF2	02LO3
02NO2	06DA2	04SF2	04DY2	04SF3	02LO3
02NO2	04DA2	04SF3	04DY2	04SF2	02LR2
02NO2	02DA2	04SF3	02DY2	04SF3	04LR2
04NO2	04DE2	04SF2	02DY2	04SF3	02LR2
04NO2	02DE2	04SF3	09EA2	04SF3	06LS2
04NO2	04NO2	04SF3	09EA3	04SF2	04LS2
04NO2	02NO2	04SF3	04EA2.E	04SF3	04LS2
02NO2	02NO2	04SF3	04EA2.M	04SF2	02LS2
02NO3	02NO2	04SF3	06EB2.E	04SF2	02LS3**
02NO3	02PR2	04SF3	06EB2.M	04SF3	02LS2
04RV2.O	04RV2.T	04SF2	02G03	04SF3	02LS3**
04RV2.O	02RV2.T	04SF3	06GS2	04SF3	04RV2.T
02RV2.O	02RV2.T	04SF2	06GS2	04SF2	04RV2.T
04RV2.O	04SF2	04SF2	04GS2	04SF2	02RV2.T
04SF2	04AC2	04SF3	04GS2	04SF3	02RV2.T
04SF2	02AC2	04SF2	02GS2	04SF3	04SF3
04SF3	09DY3	04SF2	02GS3*	04SF3	04SF2
04SF2	09DY2	04SF3	02GS2	04SF2	04SF2
04SF3	09DY2	04SF3	02GS3*	04TF2	04TF2
		04SF2	02LA2	04TF2	02TF2
		04SF3	02LA2	02TF3	02TF2

* The "C" and "M" options as described in 7.3.1 preceding are also available with this combination (i.e., 02GS3.C or 02GS3.M).

** The "M" option as described in 7.3.1 preceding is also available with this combination (i.e., 02LS3.M).

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(D) Program Audio

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
04DS9.15E	02PG1.3	04DS6.44	02PG2.5	02PG2.1	02PG1.1
04DS9.15F	02PG1.5	04DS6.44	02PG1.8	02PG2.1	02PG2.1
04DS9.15G	02PG1.8	04DS6.44	02PG2.8	02PG2.3	02PG1.3
04DS9.15H	02PG1.1	04DS6.44	02PG1.1	02PG2.3	02PG2.3
04DS9.15E	02PG2.3	04DS6.44	02PG2.1	02PG2.5	02PG1.5
04DS6.44	02PG1.3	04DS9.15F	02PG2.5	02PG2.5	02PG2.5
04DS6.44	02PG2.3	04DS9.15G	02PG2.8	02PG2.8	02PG1.8
04DS6.44	02PG1.5	04DS9.15H	02PG2.1	02PG2.8	02PG2.8

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(E) Video(1) Broadcast Video

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
02TV6.1	04TV6.15	04TV6.15A	04TV6.15A	06TV6.15A	06TV6.15A
02TV6.1	04TV7.15	04TV6.15	04TV7.15	06TV6.15	06TV7.15
02TV6.2	06TV6.15	04TV6.15A	04TV7.15A	06TV6.15A	06TV7.15A
02TV6.2	06TV7.15	04TV7.15	04TV6.15	06TV7.5	06TV6.5
02TV7.1	04TV6.15	04TV7.15A	04TV6.15A	06TV7.5	06TV7.5
02TV7.1	04TV7.15	04TV7.15	04TV7.15	06TV7.15	06TV6.15
02TV7.2	06TV6.15	04TV7.15A	04TV7.15A	06TV7.15A	06TV6.15A
02TV7.2	06TV7.15	04TV7.5	04TV6.5	06TV7.15	06TV7.15
04TV6.5	04TV6.5	04TV7.5	04TV7.5	06TV7.15A	06TV7.15A
04TV6.5	04TV7.5	06TV6.5	06TV6.5	08TV6.15A	08TV6.15A
04TV6.15	04TV6.15	06TV6.5	06TV7.5	08TV6.15A	08TV7.15A
		06TV6.15	06TV6.15	10TV6.15A	10TV6.15A
				10TV6.15A	10TV7.15A

(2) Supertrunking Transport Video ServiceCompatible CIs

04WVF.L 04WVF.L

(3) Fiber Based Multichannel Video

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
04TV6.15A	04TV6.15A	04TV6.17	04TV6.17	08TV6.15A	08TV6.15A
04TV6.15A	04TV7.15A	04TV6.17	04TV7.17	08TV6.15A	08TV7.15A
		06TV6.15A	06TV6.15A	10TV6.15A	10TV6.15A
		06TV6.15A	06TV7.15A	10TV6.15A	10TV7.15A

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(F) Wideband AnalogCompatible CIs

04AH5.B	04AH5.B
04AH6.C	04AH6.C

Compatible CIs

04AH5.B	04DU9.A,B, or C
04AH6.C	04DU9.A,B, or C

Compatible CIs

04WD5.1	04WA5.1
04WD5.2	04WA5.1
04WD5.3	04WA5.2

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(G) Wideband Data

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
08WB5.18S	12WC6.18	08WB5.23A	10WC6.23	08WB5.50A	10WC6.50
08WB5.19A	10WC6.19	08WB5.23S	12WC6.23S	08WB5.50S	12WC6.50
08WB5.19S	12WC6.19	08WB5.40S	12WC6.40		

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(H) Digital Data

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>	
04CS9.15	04DU5.24	04DS6.44	04DU5.24	04DU5.24	04DU5.24
04CS9.15	04DU5.48	04DS6.44	04DU5.48	04DU5.48	04DU5.48
04CS9.15	04DU5.56	04DS6.44	04DU5.56	04DU5.56	04DU5.56
04CS9.15	04DU5.96	04DS6.44	04DU5.96	04DU5.96	04DU5.96
04DS6.44	04CS9.15+	04DS9.15	04DU5.24		
04DS6.44	04DS6.44+	04DS9.15	04DU5.48		
04DS9.15	04DS9.15+	04DS9.15	04DU5.56		
		04DS9.15	04DU5.96		

+ Available only as a cross connect of two digital channels at appropriate digital speeds at a Telephone Company Hub.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(I) High CapacityCompatible CIsCompatible CIs

04CS9.#	04CS9.#	04SOF.B	04DS6.44i
04CS9.#	04DU9	04SOF.C	04DS6.44i
04CS9.#	04DU9.1K	04SOF.D	04DS6.44i
04CS9.#	04DU9.S	04DS9.15K	04DU9.B
04DS6.15	04CS9.#	04DS9.15J	04DU9.A
04DS9.15	04CS9.#	04DS9.15K	04DU9.1K
04DS6.44	04CS9.#	04DS9.15S	04DU9.S
04DS6.15	04DS9.15+	04DS9.31	04DU9.A,B or 1K
04DS9.15	04DS9.15+	04DS6.44	04DS6.44
04DS9.15J	04DS9.15J	04DS6.44	04DU9.A,B or 1K
04DS9.15K	04DS9.15K	04DS6.44A	04DS6.44A
04DS6.44	04DS9.15+	04DS6.44I	04DS6.44I
04DS9.31	04DS9.31	04DU9.A,B or 1K	04DU9.A,B OR 1K
04DS9.1S	04DU9.1S	02FCF.13	04DS6.44
04DS9.1K	04DS9.1K	02FCF.54	044DS6.44
04DS9.15	04DU9-B	04SOF.A*	04DS6.44
04SOF.E	04DU9.DN^	04SOF.B*	04SOF.A*
04SOF.E	04DU9.BN^	04SOF.C*	04SOF.B*
04SOF.E	04DS9.KN^	04SOF.D*	04SOF.C*
04SOF.E	04DS9.1SN^	04SOF.E*	04SOF.D*
04SOF.E	04DS6.44^	04SOF.F*	04SOF.E*
02SOF.B	04DS6.44i	04STF.A	04SOF.F*
02SOF.C	04DS6.44i		04STF.A
02SOF.D	04DS6.44i		

See 7.3.1 preceding for explanation. The Channel Interface 4CS6.# may be substituted for 4CS9.#.

+ Available only as a cross connect of two digital channels at appropriate digital speeds at a Telephone Company Hub.

* B or U

^ Available only when provided in conjunction with Enterprise SONET Service.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(I) High Capacity (Cont'd)

<u>Compatible CIs</u>		<u>Compatible CIs</u>	
04SMF04DS6.44I		02SOF.B	04DS9.1S
04SMF.A03	04DS6.44I	02SOF.C	04DS6.1S
04SMF.A3	04DS6.44I	02SOF.D	04DS6.1S
04SMF.A12	04DS6.44I	04SOF.B	04DS6.1S
04SMF.A21	04DS6.44I	04SOF.C	04DS6.1S
04SMF.AC	04DS6.44I	04SOF.D	04DS6.1S
04SMF.AF	04DS6.44I	04SMF	04DS9.1S
04SMF.B	04DS6.44I	04SMF.A03	04DS6.1S
04SMF.B9	04DS6.44I	04SMF.A3	04DS6.1S
04SMF.C6	04DS6.44I	04SMF.A12	04DS6.1S
04SMF.EE	04DS6.44I	04SMF.A21	04DS6.1S
04SMF.FD	04DS6.44I	04SMF.AC	04DS6.1S
04SMF.GC	04DS6.44I	04SMF.AF	04DS6.1S
02SOF.B	04DS9.1S	04SMF.B	04DS6.1S
02SOF.C	04DS6.1S	04SMF.B9	04DS6.1S
02SOF.D	04DS6.1S	04SMF.C6	04DS6.1S
04SOF.B	04DS6.1S	04SMF.EE	04DS6.1S
04SOF.C	04DS6.1S	04SMF.FD	04DS6.1S
04SOF.D	04DS6.1S	04SMF.GC	04DS6.1S
04SMF	04DS9.1S		
04SMF.A03	04DS6.1S		
04SMF.A3	04DS6.1S		
04SMF.A12	04DS6.1S		
04SMF.A21	04DS6.1S		
04SMF.AC	04DS6.1S		
04SMF.AF	04DS6.1S		
04SMF.B	04DS6.1S		
04SMF.B9	04DS6.1S		
04SMF.C6	04DS6.1S		
04SMF.EE	04DS6.1S		
04SMF.FD	04DS6.1S		
04SMF.GC	04DS6.1S		

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(J) WATS Access Line (WAL)

<u>WATS Serving Office Supervisory Signaling</u>	<u>Customer Premises Interface Code</u>
Loop Start (LO)	02LS2, 02LS3 04LS2
Ground.Start (G)	02GS2, 02GS3 04GS2
Loop.Reverse.Battery (RV)	02RV2.T, 02RV3.T 06EA2.E, 06EA2.M, 08EB2.E 08EB2.M
E&M	06EA2.E, 06EA2.M, 08EB2.E, 08EB2.M

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(K) DIGIROUTESM Digital Service II

<u>Compatible CIs[≠]</u>		<u>Compatible CIs[≠]</u>		<u>Compatible CIs[≠]</u>	
04CS9.#	04CS9.#	04DS9.15	04DU5.48S	2DU5.19	02DU5.19
04CS9.#	04DU5.19	04DS9.15	04DU5.56	2DU5.24	02DU5.24
04CS9.#	04DU5.19S	04DS9.15	04DU5.56S	2DU5.48	02DU5.48
04CS9.#	04DU5.24	04DS9.15	04DU5.96	2DU5.96	02DU5.96
04CS9.#	04DU5.24S	04DS9.15	04DU5.96S	04DU5.19	04DU5.19
04CS9.#	04DU5.48	04DS9.15	02DU5.19	04DU5.19S	04DU5.19S
04CS9.#	04DU5.48S	04DS9.15	02DU5.24	04DU5.24	04DU5.24
04CS9.#	04DU5.56	04DS9.15	02DU5.48	04DU5.24S	04DU5.24s
04CS9.#	04DU5.56S	04DS9.15	02DU5.96	04DU5.48	04DU5.48
04CS9.#	04DU5.96	04DS6.44	04DU5.19	04DU5.48S	04DU5.48S
04CS9.#	04DU5.96S	04DS6.44	04DU5.19S	04DU5.56	04DU5.56
04CS9.#	02DU5.19	04DS6.44	04DU5.44+	04DU5.56S	04DU5.56S
04CS9.#	02DU5.24	04DS6.44	04DU5.44+	04DU5.96	04DU5.96
04CS9.#	02DU5.48	04DS6.44	04DU5.24	04DU5.96S	04DUS.96S
04DS6.44	04CS9.#	04DS6.44	04DU5.24S		
04DS9.15	04DS9.15+	04DS6.44	04DU5.48		
04DS6.44	04DS9.15+	04DS6.44	04DU5.48S		
04DS9.15	04DU5.19	04DS6.44	04DU5.56		
04DS9.15	04DU5.19S	04DS6.44	04DU5.56S		
04DS9.15	04DU5.24	04DS6.44	04DU5.96		
04DS9.15	04DU5.24S	04DS6.44	04DU5.96S		
04DS9.15	04DU5.48	04DS6.44	02DU5.19		
		04DS6.44	02DU5.24		
		04DS6.44	02DU5.48		
		04DS6.44	02DU5.96		

See 7.3.1 preceding for explanation. The Channel Interface 04CS6.# may be substituted for 04CS9.#.

* Available only as a cross connect of two digital channels at appropriate digital speeds at a Telephone Company Hub.

≠ The SONET channel interface code 02SOF.B, D or F; 04SOF.B, D or F; or 04SMF.A3, A21, A12, AC, AF, A03, B, B9, C6, E, EE, FD, GC, or H may be substituted for the channel interface code 04DS6.* or 04DS9.*.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(L) DOVROUTESM Service

<u>Compatible CIs[≠]</u>		<u>Compatible CIs[≠]</u>		<u>Compatible CIs[≠]</u>	
04CS9.#	04CS9.#	04DS9.15	02DV8.BA	02DV8.BA	02LC2*
04CS9.#	2DV8.BA	04DS9.15	02DV8.BB	02DV8.BB	02LC2*
04CS9.#	2DV8.BB	04DS9.15	02DV8.BC	02DV8.BC	02LC2*
04CS9.#	2DV8.BC	04DS9.15	02DV8.BL	02DV8.BL	02LC2*
04CS9.#	2DV8.BL	02DV8.BA	02DV8.BA		
04DS9.15+	04DS9.15+	02DV8.BB	02DV8.BB		
		02DV8.BC	02DV8.BC		
		02DV8.BL	02DV8.BL		

(M) [Reserved for Future Use]

+ Available only as a cross connect of two digital channels at appropriate digital speeds at a Telephone Company Hub.

See 7.3.1 preceding for explanation. The Channel Interface 04CS6.# may be substituted for 04CS9.#.

≠ The SONET channel interface code 02SOF.B, D or F; 04SOF.B, D or F; or 04SMF.A3, A21, A12, AC, AF, A03, B, B9, C6, E, EE, FD, GC, or H may be substituted for the channel interface code 04DS6.* or 04DS9.*.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(N) Advanced Video Service(1) Advanced Uncompressed Digital Video

<u>Compatible CIs</u>		<u>Compatible CIs</u>	
04TV6.0	04TV6.0	10TV6.20	10TV6.20
04TV6.20	04TV6.20		
04TV6.17	04TV6.17		
06TV.20	06TV6.20		

(2) Advanced Broadcast Video Service*

<u>Compatible CIs</u>		<u>Compatible CIs</u>	
04TV6.15	04TV6.15	06TV6.15A	6TV6.15A
04DS6.44A	04TV6.15	06DS6.44A	06TV6.15A
04TV6.15A	04TV6.15A	08TV6.15A	08TV6.15A
04DS6.44A	04TV6.15A	08DS6.44A	08TV6.15A
06TV6.15	06TV6.15	10TV6.15A	10TV6.15A
06DS6.44A	06TV6.15A	10DS6.44A	10TV6.15A

(3) Serial Component Video Service

<u>Compatible CIs</u>	
02TD6.E	02TD6.E

(4) Hi-Def Digital Video Transport Service

<u>Compatible CIs</u>	
02TB6	02TB6

(5) 45 Mbps Digital Video Transport Service

<u>Compatible CIs</u>	
10TV6.20D	10TV6.20D
04TE6.20D	04TE6.20D
10TV6.20D	04TE6.20D
04TE6.20D	10TV6.20D

* Service availability is limited. See footnote in Section 7.2.14(B) for more details.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.3 Channel Interface and Network Channel Codes (Cont'd)7.3.5 Compatible Channel Interfaces (Cont'd)

The following tables show the channel interface codes (CIs) which are compatible:

(O) Channel Extension ServiceCompatible CIs

02FCF.20	02FCF.20
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(P) IntelliBeam Optical Transport ServiceCompatible CIs

02FCF.15	02FCF.15
02FCF.62	02FCF.62
02FCF.25	02FCF.25
02FCF.FC1	02FCF.FC1
02FCF.FC2	02FCF.FC2
02FCF.FC5	02FCF.FC5
02FCF.CCS	02FCF.CCS
02FCF.GFM	02FCF.GFM
02FCF.GIS	02FCF.GIS
O2SOF.D	O2CXF.A, B, or C
O4SOF.D	O2CXF.A, B, or C

Compatible CIs

02FMS.S	02FMS.S
02FMF.4	02FMF.4
02LNF.100	02LNF.100
02LNF.1GE	02LNF.1GE
02TD6.E	02TD6.E
02FCF.FC	02FCF.FC
02FCF.CTS	02FCF.CTS
02FCF.10C	02FCF.10C
02FCF.10D	02FCF.10D

(Q) Optical NetworkCompatible CIs

02LNF.A02
02SOF.B
04LN9.1CT
04SOF.D
04ST6.A
04CMF.C48
02OPF.A07

Compatible CIs

02LNF.A04
02SOF.D
04LN9.10T
04SOF.F
04CMF.C3
02OPF.A02
02QBF.K02

Compatible CIs

02LNF.A07
02SOF.F
04SOF.B
04SOF.X
04CMF.C12
02OPF.A04
02SOF.X

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations

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

7.4.1 Types of Rates and Charges

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

(D)

(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.

When a rate is shown as a three year rate or a five year rate, the rate applies each month or fraction thereof that the Special Access Service is provided. However, early termination charges apply as set forth in (D) following if the service is disconnected prior to completion of the three or five year term for the service. Section 7.4.9(C) following contains regulations which are specific to the application of three year and five year rates. Service Discount Plans* as set forth in Section 7.4.10 following are not available with Channel Extension Service.

In the states where Expanded Interconnection has become operational, monthly rates for Standard Non-Competitive End-User Channel Terminations and certain Optional Features and Functions/Basic Service Elements for 1.544 Mbps and 44.736 Mbps (electrical) Special Access High Capacity Services. The pricing zone for each serving wire center in the states where Expanded Interconnection has become operational is specified in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. No. 4.

(C)(D)

(D)

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.1 Types of Rates and Charges (Cont'd)(A) Monthly Rates (Cont'd)

When a customer's designated premises is served by a serving wire center located in a state other the state in which the customer's designated premises is located, the rates for Special Access Services for such customer shall be the Special Access Service rates then in effect for the serving wire center from which the customer is served.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.1 Types of Rates and Charges (Cont'd)(B) Daily Rates

Daily Rates are flat recurring rates that apply to each 24 hour period or fraction thereof that a Program Audio, Video or Advanced 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.

Part-time or occasional Video or Program Audio Service provided within a consecutive 30 day period will be charged the daily rate, not to exceed an amount equal to the monthly rate. For each subsequent day or part day, a charge equal to 1/30th of the monthly rate shall apply.

Part-time or occasional Advanced Video Services provided within a consecutive 30 day period will be charged either the daily rate for each day on which part-time or occasional Advanced Video Service is provided or the monthly rate, whichever produces the lesser rate.

(C) Nonrecurring Charges

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

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.1 Types of Rates and Charges (Cont'd)(C) Nonrecurring Charges (Cont'd)(1) Installation of Service

For part-time Broadcast Video and part-time Advanced Video Services, nonrecurring charges also apply for a Telephone Company technician to oversee the operation of service during an event for which the customer has ordered part-time Broadcast Video or Advanced Video Service and requested that a technician be present. The charge for a Telephone Company technician to oversee the operation of a part-time service during an event will be the same as the charge for Stand By Labor. The charge for Stand By Labor will apply per customer. When a single Telephone Company technician oversees the operation of part-time service(s) for more than one customer, the total charge to perform Stand By Labor will be divided equally between the customers involved. Stand By Labor charges are set forth in Section 31.13.2(B) following.

Nonrecurring charges apply to each Special Access Service installed. Orders for the installation of Metallic, Telegraph Grade, Voice Grade, Program Audio, Video*, 1.544 Mbps High Capacity, WATS, DIGIROUTESM digital service II, Advanced Video Service* and DOVROUTESM service will be subject to a first and additional nonrecurring charge rate structure. A First Nonrecurring Charge will apply, per Non-Competitive End-User Channel Termination, for the initial service ordered. An additional Nonrecurring Charge will apply, per Non-Competitive End-User Channel Termination, for each additional service which is ordered at the same time on the same Access Order, for the same due date and between the same premises, provided the service and operating characteristics (e.g., bridging) are identical to the initial service ordered. Orders for the installation of Channel Extension Service are subject to the regulations set forth in Section 7.4.9(C) following.

* The First and Additional nonrecurring charge rate structure is not applicable to Premises to Hub Non-Competitive End-User Channel Terminations. (C)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.1 Types of Rates and Charges (Cont'd)(C) Nonrecurring Charges (Cont'd)(1) Installation of Service (Cont'd)

For part-time Broadcast Video or Advanced Broadcast Video Service*, the nonrecurring charge for the installation of service** is further subject to an initial occurrence and a subsequent occurrence nonrecurring rate structure. An Initial Occurrence Charge will apply for the initial (first) installation of part-time service. A Subsequent Occurrence Charge will apply for any subsequent (additional) installation of the same part-time service between the same premises or between the same premises and Telephone Company Hub as the initial occurrence (i.e., the customer requests repeated installations for the same type of part-time service between the same locations). The Subsequent Occurrence Charge applies only when the customer has requested a minimum of four installations and is subject to the following conditions.

- (a) The customer has provided the Telephone Company with a schedule of dates which includes at least four separate occurrences where part-time service will be required between the same locations. The schedule must include the date of the initial occurrence and the dates of the subsequent occurrences; and
- (b) the scheduled dates for the subsequent occurrences are within nine months of the scheduled date for the initial occurrence; and
- (c) at the premises involved, the points of termination used for the initial occurrence are the same points for termination used for the subsequent occurrences; and
- (d) except for the duration that service is to be provided, the part-time service requested for the initial occurrence is identical to the part-time service requested for the subsequent occurrences.

* Part time ABVS availability is limited. See footnote in Section 7.2.14(B) more details.

** The initial and subsequent occurrence nonrecurring charge rate structure is not applicable to Premises to Hub Non-Competitive End-User Channel Terminations.

(C)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.1 Types of Rates and Charges (Cont'd)(C) Nonrecurring Charges (Cont'd)(1) Installation of Service (Cont'd)

For 44.736 Mbps Network Access Ports, the 44.736 Mid-link Charge, the nonrecurring cost for the installation of service will be recovered over the first twelve months of service for FES Standard Non-Competitive End-User Channel Terminations, NRS 44.736 Mbps Network Access Ports and the 44.736 Mbps Mid-link Charge. Nonrecurring Charges for the FES Office Non-Competitive End-User Channel Terminations will be billed on the first bill following installation of service. In the event that service is disconnected prior to satisfying the nonrecurring charge recovery period, the customer shall be responsible for: (C)

- a nonrecurring charge liability equal to the balance of the nonrecurring charge not yet recovered. For FES Non-Competitive End-User Channel Terminations ordered on a month to month basis, NRS 44.736 Mbps Network Access Ports and the 44.736 Mbps Mid-link Charge, the nonrecurring charge not yet recovered will be determined by multiplying the nonrecurring liability charge by the number of months remaining in the recovery period. For FES Non-Competitive End-User Channel Terminations ordered under a Service Discount Plan*, the nonrecurring charge not yet recovered will be satisfied with the application of termination liability charges for the balance of the commitment period as set forth in 7.4.10(C) following, and (C)
- satisfying the minimum period requirement as set forth in Section 5.2.5 preceding, and
- payment of any Service Discount Plan* termination liability as set forth in 7.4.10 following associated with the disconnected service. (C)

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(1) Installation of Service (Cont'd)

(D)
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(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(1) Installation of Service (Cont'd)

The nonrecurring charges for the installation of service are set forth in 31.7 following for all other charges, as applicable, as a nonrecurring charge for the Non-Competitive End-User Channel Termination rate element (Standard, Office Non-Competitive End-User Channel Termination cross-connect or Virtual Office Non-Competitive End-User Channel Termination, as applicable).

(C)
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(C)

(D)
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(D)

When service is added to a Commitment Discount Plan* or the National Discount Plan (as specified in Section 25.2 following), the Non-Competitive End-User Channel Termination nonrecurring charge which applies to such installed service is the lesser of (i) the applicable nonrecurring charge as specified in Section 31 following for all other charges or (ii) \$1.00.

(C)
(D)

(D)
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|
(D)

* Commitment Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

Note: See Section 28 for further information.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(1) Installation of Service (Cont'd)

(D)

(D)

When a customer's designated premises is served by a serving wire center located in a state other than the state in which the customer's designated premises is located, the nonrecurring charges for Special Access Services for such customer shall be the Special Access Service nonrecurring charges then in effect for the serving wire center from which the customer is served.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.1 Types of Rates and Charges (Cont'd)(C) Nonrecurring Charges (Cont'd)(1) Installation of Service (Cont'd)

For Video Service, Nonrecurring Charges also apply for the installation of repeaters in the facility between the serving wire centers involved. The charge for the installation of repeaters is applied as a nonrecurring charge for each channel mileage band for full-time or part-time Video Service. The nonrecurring charge for the installation of repeaters in the channel mileage will not apply to part-time Video Service provided solely over microwave transmission.

Included as part of the Non-Competitive End-User Channel Termination is the use of up to twenty-five (25) feet of coaxial cable from the point at which the video service enters the customer's building to the channel interface. In the event that the customer requests that the Telephone Company extend the location of the channel interface beyond 25 feet, and the Telephone Company agrees to extend the communications path, the charges set forth for Other Labor in Section 13.2.5 following will apply for the extended portion of the communications path. (C)

The nonrecurring charges applicable to the installation of Video Service are set forth in Section 31.7.5 following for all other charges. (D)

In the event the Telephone Company must construct facilities for Video Service for which no foreseeable reuse of those facilities is forecast, Special Construction rates and charges as set forth in Section 5.1.3 preceding may also apply.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.1 Types of Rates and Charges (Cont'd)(C) Nonrecurring Charges (Cont'd)(1) Installation of Service (Cont'd)

In the event that video electronic equipment is unavailable and the Telephone Company must secure and ship electronic equipment in order to satisfy a customer's request for part-time Broadcast Video or Advanced Broadcast Video Service*, the customer shall be given the option to authorize the Telephone Company to secure and ship the equipment or to cancel the order. If authority is given to the Telephone Company to obtain the equipment, the customer shall be advised of all shipping and related charges (USOC NREVE will identify the amount of shipping and related charges.) Such charges shall be flowed through to, and be the responsibility of, the customer. If the customer is unwilling to authorize payment of shipping and related charges and elects to cancel the order for service, cancellation charges as set forth in Section 5.2.3 preceding will not apply.

* Part time ABVS availability is limited. See footnote in Section 7.2.14(B) for more details.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(1) Installation of Service (Cont'd)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.1 Types of Rates and Charges (Cont'd)(C) Nonrecurring Charges (Cont'd)(2) Installation of Optional Features and Functions/Basic Service Elements

Nonrecurring charges apply for the installation of some of the optional features and functions or Basic Service Elements available with Special Access Service. Except for 1.544 Mbps Clear Channel Capability and MVS or Advanced Video Service optional features and functions, the charge applies whether the feature or function or BSE is installed coincident with the initial installation of service or at any time subsequent to the installation of the service. The charge for 1.544 Mbps High Capacity Clear Channel Capability and MVS or Advanced Video Service optional features and functions, applies only when the feature or function is installed at any time subsequent to the installation of service. The MVS Rf Subcarrier Transport optional feature is further subject to a First and Additional Nonrecurring Charge structure as set forth in (C)(1) preceding and 7.4.9(B)(3) following.

The optional features or BSEs for which nonrecurring charges apply are:

- Voice Grade Data Capability
 - Voice Grade Telephoto Capability
 - Program Audio Gain Conditioning
 - Program Audio Stereo
 - WATS Access Line Extension Service
 - 1.544 Mbps High Capacity Clear Channel Capability
 - MVS Video Bridging
 - SVS Video Bridging
 - AUDVS Video Bridging
- (D)
(D)
(D)
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(D)
(D)
(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.1 Types of Rates and Charges (Cont'd)(C) Nonrecurring Charges (Cont'd)(2) Installation of Optional Features and Functions/Basic Service Elements (Cont'd)

In the states where Expanded Interconnection has become operational, nonrecurring charges for certain Optional Features and Functions/Basic Service Elements for 1.544 Mbps and 44.736 Mbps (electrical) High Capacity Special Access Services are arranged in pricing zones. The pricing zone for each serving wire center in the states where Expanded Interconnection has become operational is specified in the NATIONAL EXCHANGE CARRIER ASSOCIATION, INC. TARIFF F.C.C. NO. 4.

When a customer's designated premises is served by a serving wire center located in a state other than the state in which the customer's designated premises is located, the nonrecurring charges for Special Access Services Optional Features and Functions/Basic Service Elements for such customer shall be the Special Access Service nonrecurring charges then in effect for the serving wire center from which the customer is served.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.1 Types of Rates and Charges (Cont'd)(C) Nonrecurring Charges (Cont'd)(3) Service Rearrangements

Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements or a change in the physical location of the point of termination at a customer designated premises. Changes which result in a change in the minimum period requirements (i.e., a change from one type of Special Access Service to another) are treated as discontinuances of existing service and installations of new service and are described in 5.2.5(D) preceding. Changes in the physical location of the point of termination at a customer designated premises are treated as moves and are described and charged for as set forth in 7.4.5 following.

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

Administrative changes, as follow, will be made without charge(s) to the customer:

- Change of customer name,
- Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of agency authorization,
- Change of customer circuit identification
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number, and
- Change of jurisdiction.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.1 Types of Rates and Charges (Cont'd)(C) Nonrecurring Charges (Cont'd)(3) Service Rearrangements (Cont'd)

Certain service rearrangements for Special Access are provided for outside of this tariff. All other service arrangements will be charged for as follows: (C)

- If the change involves the addition of, or rearrangement to, one or more Non-Competitive End-User Channel Terminations to an existing multipoint service, the appropriate nonrecurring charge(s) will apply as set forth in (1) preceding. The charge(s) will apply only for the Non-Competitive End-User Channel Termination(s) that is being added or rearranged. (C)
- If the change involves the addition of an optional feature or function or a BSE which has a separate nonrecurring charge, that nonrecurring charge will apply. (C)
- If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade Non-Competitive End-User Channel Termination rate element nonrecurring charge will apply on a first and additional basis. The charge will apply per Non-Competitive End-User Channel Termination affected. (C)
- If the change involves the rearrangement of an existing Voice Grade Service or an existing multiplexed Voice Grade Service (e.g., Voice Grade Service multiplexed to Telegraph Grade Service) to a High Capacity Service, a Voice Grade to DS1 Rearrangement Charge will apply. The Voice Grade to DS1 Rearrangement Charge, as set forth in 30.7.3(E) following will apply to each Voice Grade Service rearranged. (C)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.1 Types of Rates and Charges (Cont'd)(C) Nonrecurring Charges (Cont'd)(3) Service Rearrangements (Cont'd)

- If the change involves the rearrangement of an existing Voice Grade Service derived from a High Capacity Service to a different High Capacity Service, a Voice Grade to DS1 Rearrangement Charge will apply. The charge applies only when both High Capacity Services involved are between the same customer premises and Telephone Company Hub where the multiplexing function is performed. The Voice Grade to DS1 Rearrangement Charge, as set forth in 30.7.3(E) following for price band charges will apply to each Voice Grade Service rearranged.
- If the change involves the rearrangement of an existing DIGIROUTESM digital service II special access service to a High Capacity Service, a DDS II to DS1 Rearrangement Charge will apply. The DDS II to DS1 Rearrangement Charge, as set forth in 30.7.12(E) following will apply to each DIGIROUTESM digital service II rearranged.
- If the change involves the rearrangement of an existing DIGIROUTESM digital service II special access service derived from a High Capacity Service to a different High Capacity Service, a DDS II to DS1 Rearrangement Charge will apply. The charge applies only when both High Capacity Services involved are between the same customer premises and Telephone Company Hub where the multiplexing function is performed. The DDS II to DS1 Rearrangement Charge, as set forth in 30.7.12(E) following will apply to each DIGIROUTESM digital service II rearranged.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

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(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Rearrangements (Cont'd)

(D)

(D)

- For all other changes, including the addition of optional features or BSEs without separate nonrecurring charges, a charge equal to a Non-Competitive End-User Channel Termination rate element nonrecurring charge. Only one such charge will apply per service, per change.

(C)

$$\begin{array}{c} \textbf{(D)} \\ \vdots \\ \textbf{(D)} \end{array}$$

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.1 Types of Rates and Charges (Cont'd)(C) Nonrecurring Charges (Cont'd)(3) Service Rearrangements (Cont'd)

- If the change involves the rearrangement of existing Special Access Service or multiplexed Special Access Service into a Special Access, no charge will apply to connect or groom the Special Access Service. No charge applies to the multiplexed Special Access Services unless the customer changes service types, in which case the appropriate nonrecurring charge for each change will apply.
- If the change involves the rearrangement of an 8 bit Advanced Uncompressed Digital Video Service into a 10 bit Advanced Uncompressed Digital Video Service, a charge equal to the nonrecurring charge for the subsequent addition of one 10 bit Additional Transmit or Additional Receive Non-Competitive End-User Channel Termination, as applicable, will apply. (C)
- If the change involves the rearrangement of a two-point Advanced Broadcast Video Service* into an Advanced Broadcast Video Service provided on a point to Hub basis (i.e., from a customer designated premises to a Telephone Company Hub) at which the ABVS channel will be connected to other compatible ABVS channels, no charge will apply provided that the same point (i.e., customer designated premises) is maintained.

* ABVS availability is limited. See footnote in Section 7.2.14(B) for more details.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.1 Types of Rates and Charges (Cont'd)(D) Early Termination Charges

Early Termination charges apply to Special Access Service which is provided under a term plan and disconnected in full or in part prior to the customer satisfying the selected term plan for the service. Unless otherwise specified for the specific Special Access Service, the early termination charge will be the calculated using the methods set forth in (1) and (2) following.

- (1) For disconnects prior to the end of the selected term plan for which there is no term plan less than the actual time the service has been in effect, the Early Termination Charge is 100% of the applicable monthly rates for each month and fraction thereof in the balance of the term plan.
- (2) For disconnects prior to the end of the selected term plan for which a term plan exists which is less than the actual time the service has been in effect, the Early Termination Charge is the lesser amount of (i) 100% of the applicable monthly rates for each month and fraction thereof in the balance of the selected term plan or (ii) the difference between the monthly rates for the highest term plan that could have been satisfied prior to disconnection of the service and the monthly rate for the selected term plan multiplied by the actual number of months the service has been in effect.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.2 Surcharge for Special Access Service(A) General

In additional to the rates and charges described in 7.4.1 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 type switch unless written certification is received from the customer certifying exemption status as set forth in (B) following.

(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:

- an open-end termination in a Telephone Company switch of an FX line, including CCSA and CCSA-equivalent ONALS; or
- an analog Non-Competitive End-User Channel Termination that is used for radio or television program transmission; or (C)
- a termination used for TELEX service; or
- a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines; or

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.2 Surcharge for Special Access Service (Cont'd)(B) Special Access Surcharge Exemptions (Cont'd)

- 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 or CSL BSA 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

- 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; or

- a termination that the customer certifies to the Telephone Company is connected to a PBX or other device which, through either hardware or software restrictions, is not capable of interconnecting the special access facility to a local exchange subscriber line.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.2 Surcharge for Special Access Service (Cont'd)(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.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.2 Surcharge for Special Access Service (Cont'd)(C) Exemption Certification (Cont'd)

- (3) The exemption certification is to be provided by the customer ordering the service. The certification must be signed 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.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.2 Surcharge for Special Access Service (Cont'd)(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 equivalent basis as shown in the following example.

<u>Special Access Service</u>	<u>Voice Grade Equivalent</u>	<u>Surcharge</u>	<u>Monthly Charge</u>
Voice Grade	1 X	\$25	\$ 25.00
Wideband Analog Group Level	12 X	\$25	300.00
DS1	24 X	\$25	600.00
DS3	672 X	\$25	16,800.00

(D)
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(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.2 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 Special Access Service is connected to the customer's interstate facilities.

For example, a multipoint Special Access Service connects three customer designated premises, A, B and C. Customer designated premises A is where the Special Access Service is connected to the customer's interstate facilities, and no Special Access Surcharge will apply to that termination. However, the Special Access Surcharge will apply, per termination, to customer designated premises B and C.

- (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 or as specified in (4) following.
- (4) In the case of Special Access Service provided under a Shared Billing Arrangement, one Special Access Surcharge will apply for each derived service. In no case shall the total number of Special Access Surcharges applied exceed the total voice equivalency for the type of High Capacity service ordered. (D)

7.4.3 [Reserved for Future Use]

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.4 Minimum Periods

Except for the following services, the minimum period for all services is three months. The minimum period for optional features and functions or BSEs is the same minimum period as the associated Special Access Service, unless otherwise specified.

- (A) For part-time and occasional Broadcast Video, Advanced Video and Program Audio services, the minimum period is one day (i.e., a continuous 24 hour period, not limited to a calendar day).
- (B) For Advanced Uncompressed Digital Video Service, Advanced Broadcast Video Service, Serial Component Video Service, Fiber Based Multichannel Video Service and Supertrunking Transport Video Service, the minimum period is one year. The CODEC optional feature, available with 45 Mbps Digital Video Transport Service, has a minimum period of one year.
- (C) For Channel Extension Service, the minimum period is three years.
- (D) For service provided under a Commitment Discount Plan* as set forth in Section 25.1 following, the minimum period is one year from the date that service is installed and is in lieu of the minimum period which would normally apply to that service. Commitment Discount Plan* minimum period regulations are specified in Section 25.1.10 following.
- (E) [Reserved for Future Use]
- (F) [Resrved for Future Use]
- (G) [Reserved for Future Use]
- (H) [Reserved for Future Use]

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(D)

* Commitment Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.4 Minimum Periods (Cont'd)

- (I) For service provided under the National Discount Plan as set forth in Section 25.2 following, the minimum period for a Special Access DS3 Service or Special Access DS1 Service that is included in the National Discount Plan is specified in Section 25.2.8 following.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.5 Moves

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

- The Point of Termination at the customer's designated premises
- The customer's designated 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 charge for the move will be an amount equal to one half of the applicable Non-Competitive End-User Channel Termination nonrecurring charge for the service affected as set forth in 7.4.1 preceding. There will be no change in the minimum period or Service Discount Plan* requirements. (C)

(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 and/or Service Discount Plan* requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period and/or termination liability charges for the discontinued service except as specified in 7.4.10(C)(5) following.

For 1.544 Mbps/DS1 High Capacity, 44.736 Mbps/DS3 High Capacity (excluding Short-Term DS3), or Facilities Management Service moves of a primary circuit termination from one Telephone Company Central Office to another Telephone Company Central Office, the customer may pay a Coordinated Retermination Charge in lieu of treating the move as a discontinuance and start of service. The Coordinated Retermination Charge applies per circuit or DS1/DS3 equivalent circuit reterminated. The Telephone Company will coordinate the work activities required in order to minimize the length of time the service being moved is unavailable. Monthly rates will apply as if the circuit remained in service with no disruption. There will be no change in minimum period requirements. No termination liabilities will apply except where the retermination eliminates chargeable services such as IOF mileage or primary premises Non-Competitive End-User Channel Terminations for which specific termination liabilities exist. (C)

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.6 Mileage Measurement

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.6 Mileage Measurement (Cont'd)

(D)

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7.4.7 Facility Hubs

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

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.7 Facility Hubs (Cont'd)

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End to end services may be provided on channels of these facilities to a Hub. The transmission performance for the end to end service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is multiplexed to voice frequency channels, the transmission performance of the channelized services will be Voice Grade, not High Capacity.

The Telephone Company will commence billing the monthly rate for the facility to the Hub on the date specified by the customer on the service order. Individual services utilizing these facilities may only be ordered and/or installed subsequent to the installation of the facility to the Hub. The customer will be billed for a Voice Grade, high capacity or FES digital Non-Competitive End-User Channel Termination at the time the facility is installed. Individual service rates (by service type) will apply for a Non-Competitive End-User Channel Termination for each channelized service. These will be billed to the customer as each individual service is installed.

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.7 Facility Hubs (Cont'd)

Cascading multiplexing or grooming occurs when a high capacity digital channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed or groomed. For example, a DS1 facility is de-multiplexed to twenty four Voice Grade channels and then one of the Voice Grade channels is further de-multiplexed to individual Telegraph Grade channels.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.7 Facility Hubs (Cont'd)

A ThruPath Service connection occurs when a channel which has been derived from one multiplexed or groomed facility is interconnected with a channel which has been derived from a different multiplexed or groomed facility of the same bit rate. The two derived channels are interconnected to create a single channel of a lesser capacity between the two multiplexed or groomed facilities as follows.

(D)
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(D)

- DigiRouteSM digital service II between two multiplexed 1.544 Mbps High Capacity Services
- 1.544 Mbps High Capacity Services between two 44.736 Mbps High Capacity Services
- 1.544 Mbps High Capacity Service and a multiplexed 44.736 Mbps High Capacity facility

(D)
(D)
(D)

(D)

- FES DSO, SDA, Voice or FDS1 between two Special Access groomed DS1 facilities
- FES DS1 between two Special Access multiplexed or groomed DS3 facilities

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(D)

(D)

ACCESS SERVICE

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.7 Facility Hubs* (Cont'd)

The Telephone Company will work cooperatively with the customer in determining the routing required for Video, Advanced Video and Program Audio services.

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At the request of a customer, compatible full-time and/or part-time services provided to a 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 31.13 following. The rates that apply for the service between each customer-designated premises and the Hub are a Non-Competitive End-User Channel Termination and any associated optional features and functions or BSEs.

(C)

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7.4.8 Shared Use Digital High Capacity Services

Shared use occurs when Special Access Service and Switched Access Service including CCSA are provided over the same High Capacity facilities through a common interface. The regulations governing Shared Use Arrangements are set forth in Section 5.2.7 preceding.

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(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.9 Service-Specific Rate Regulations

(A) 44.736 Mbps High Capacity Service

Standard rates and charges apply to 44.736 Mbps Service as specified in 31.7 following

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(D)

(1) Non-Competitive End-User Channel Termination Monthly Rates

(C)

The Non-Competitive End-User Channel Termination rate structure for 44.736 Mbps Service differs based upon whether or not the Non-Competitive End-User Channel Termination is at a primary or secondary premises. A Primary Premises is a customer designated premises where a 44.736 Mbps Service channel is either originated or terminated. Only one end of the channel can be a primary premises. A Secondary Premises is any customer designated premises other than the primary premises.

(C)
(C)(D)

If one end of a 44.736 Mbps Service channel is either connected to or derived from a higher speed facility (e.g., 560 Mbps capacity 44.736 Mbps High Capacity Service with OFIO, IDSR, or DSR), the customer location with the 44.736 Mbps standard Non-Competitive End-User Channel Termination is classified as a Secondary Premises. If one end of a 44.736 Mbps Service is connected to a multiplexing node or virtual collocation arrangement, the location with the standard Non-Competitive End-User Channel Termination is classified as a Secondary Premises.

(C)
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(D)

An alternately routed Non-Competitive Channel Termination will have the same classification (primary or secondary) as the associated 44.736 Mbps Service channel termination.

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(N)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.9 Service-Specific Rate Regulations (Cont'd)

(A) 44.736 Mbps High Capacity Service (Cont'd)

(1) Non-Competitive End-User Channel Termination Monthly Rates (Cont'd) (C)

Monthly rates for 44.736 Mbps High Capacity Service Non-Competitive End-User Channel (C)
Terminations at a primary premises apply on a tapered schedule as set forth in 31.7 following for (D)
all other rates. The rate to be billed for each End-User Channel Termination is based on a count of (C)
the total eligible Switched and Special Access End-User Channel Terminations that are in service (C)
and in billing at the end of the bill period whether provided on a month to month basis, under one
or more discount plans or a combination of both.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.9 Service-Specific Rate Regulations (Cont'd)

(A) 44.736 Mbps High Capacity Service (Cont'd)

(1) Non-Competitive End-User Channel Termination Monthly Rates (Cont'd) (C)

The following Switched and Special Access Non-Competitive End-User Channel Termination rate elements are eligible for inclusion in the Telephone Company's monthly count: (C)

- 44.736 Mbps High Capacity Special Access Service standard Non-Competitive End-User Channel Terminations (electrical) at a primary premises as described herein; (C)

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(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.9 Service-Specific Rate Regulations (Cont'd)(A) 44.736 Mbps High Capacity Service (Cont'd)(1) Non-Competitive End-User Channel Termination Monthly Rates (Cont'd)

(C)

Once a month, the Telephone Company will count all eligible 44.736 Mbps High Capacity Special Access Services that are in service at a primary premises. The Telephone Company will then count all eligible DS3 Switched Access Entrance Facility Non-Competitive End-User Channel Terminations that are in service at that location as specified in 6.7.1(A) preceding. The results are added to obtain the total count for a particular customer designated premises and determine the applicable rate band. This step is repeated for each customer designated premises.

(C)

When a facility carries both Special Access and Switched Access Service under a Shared Use Arrangement as set forth in 5.2.7 preceding, each Non-Competitive End-User Channel Termination will be counted as either Special Access or Switched Access only, depending on the type of facility originally ordered, but the total number of such circuits will be counted in determining the rate band charged.

(C)

The Telephone Company will conduct a count on the first day of each month to use for the next month's billing.

For example, the Telephone Company's total DS3 count for a customer on the first day of December is 16. A customer has ten eligible High Capacity 44.736 Mbps Special Access Service Non-Competitive End-User Channel Terminations and six eligible DS3 Switched Access Entrance Facilities in service at its premises. The applicable rate band for each category (Special or Switched) is band 16. In December, each of the ten High Capacity 44.736 Mbps Special Access Services is billed at the then effective rate under band 16 (for Special Access) and each of the six DS3 Switched Access Entrance Facilities is billed at the then effective rate under band 16 (for Switched Access).

(C)

The rate band determined by the last count taken shall be used to calculate all charges incurred by and credits due to the customer for 44.736 Mbps High Capacity Special Access Service Non-Competitive End-User Channel Terminations established or discontinued during the preceding billing period. The count will not be adjusted for any reason for service order activity occurring after the count is made, including services that were installed prior to the count but were not in billing when the count was taken.

(C)

A secondary premises Non-Competitive End-User Channel Termination monthly rate applies to Non-Competitive End-User Channel Terminations at secondary premises locations.

(C)

(C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.9 Service-Specific Rate Regulations (Cont'd)

(A) 44.736 Mbps High Capacity Service (Cont'd)

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(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.9 Service-Specific Rate Regulations (Cont'd)

(B) Fiber Based Multichannel Video Service (MVS) and Advanced Uncompressed Digital Video Service (AUDVS)

Standard rates and charges apply to MVS and AUDVS as specified in 31.7.5.

(D)

(D)

(1) Non-Competitive End-User Channel Termination Monthly Rates

(C)

For Transmit and Receive Non-Competitive End-User Channel Terminations provided on a first and additional basis, the First Non-Competitive End-User Channel Termination monthly rate applies to the first video signal of each channel installed at a customer designated premises. An Additional Non-Competitive End-User Channel Termination monthly rate applies for each additional video signal added to the same channel at the same customer designated premises. The customer may disconnect the Additional Non-Competitive End-User Channel Terminations in any order desired. However, the First Non-Competitive End-User Channel Termination monthly rate remains in effect until all video signals on the channel are disconnected.

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(C)

For the AUDVS Dual Transmit Non-Competitive End-User Channel Termination, the monthly rate applies per point of termination, regardless of the number of video signals provided over

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(D)

7. Special Access Service (Cont'd)

7.4.9 Service-Specific Rate Regulations (Cont'd)

(3) Optional Features and Functions

Nonrecurring charges apply to optional features and functions. Except for Video Bridging, 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 service. For Video Bridging, the charge applies only when the feature or function is installed at any time subsequent to the installation of service.

V

$$\begin{array}{c} \textbf{(D)} \\ \textbf{(D)} \\ \textbf{(D)} \\ \\ \textbf{(D)} \\ \vdots \\ \textbf{(D)} \end{array}$$

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.9 Service-Specific Rate Regulations (Cont'd)

(C) Channel Extension Service

(D)

(D)

(1) Non-Competitive End-User Channel Termination Monthly Rates and Nonrecurring Charges

(C)

The First Non-Competitive End-User Channel Termination Monthly Rate and Nonrecurring Charge applies to the first Non-Competitive End-User Channel Termination installed at a customer designated premises. When more than one Channel Extension Service Non-Competitive End-User Channel Terminations using the same backbone architecture are provided to a customer designated premises at which a First Non-Competitive End-User Channel Termination has already been provided, the Additional Non-Competitive End-User Channel Termination Monthly Rate and Nonrecurring Charge applies to each additional Non-Competitive End-User Channel Termination provided to that same customer designated premises. The Additional Non-Competitive End-User Channel Termination Monthly Rate and Nonrecurring Charge applies whether or not the additional service(s) are ordered at the same time, are on the same or different Access Order or are scheduled for the same or different due dates.

(C)

(C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.9 Service-Specific Rate Regulations (Cont'd)

(C) Channel Extension Service (Cont'd)

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(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan

(A) General

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(D)

Service Discount Plans are provided with Base Rates only (without Rate Stability) as set forth in (G) following for these services, subject to the limitation set forth below:

- 44.736 Mbps Service

Service Discount Plans are available for the following types of services, subject to limitation set forth below. Neither Rate Stability or Base Rates apply to these services:

- DIGIROUTESM digital service II
- 1.544 Mbps Service
- DOVROUTESM Service
- FairPoint EnterPrise Network Reconfiguration Service+
- Broadcast Video Service
- Advanced Uncompressed Digital Video Service
- Serial Component Video Service
- Supertunking Transport Video Service
- Fiber Based Multichannel Video Service

(D)

Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

+ Denotes a Vertical Service.

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.10 Service Discount Plan* (Cont'd)(A) General (Cont'd)

A customer with one or more services has the option of requesting, at any time, a Service Discount Plan* for some or all services of the same type and, in the case of certain digital services, of the same speed (i.e., 2.4, 4.8, 9.6, or 56.0 kbps Digital Data Services, 1.544 Mbps and 44.736 Mbps Service). In the case of 1.544 Mbps and 44.736 Mbps Service, the services must be provided within the same Telephone Company operating territory. In addition, when a customer requests a Service Discount Plan* for a 1.544 Mbps or 44.736 Mbps High Capacity or DS3 Special Access Service provided under a Shared Use Agreement, the equivalent Switched Access Service Discount Plan and its terms and conditions as specified in Section 6.7.16 preceding, will apply to the Switched Access channels provided over the Shared Use facility. For all other services, the services must be billed on the same billing account.

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(D)

When the customer has elected a Commitment Discount Plan as set forth in Section 25.1 following, a Service Discount Plan will not be established for any service level which is included in a Commitment Discount Plan. A Service Discount Plan may be established for service levels which are not included in the Commitment Discount Plan subject to the regulations specified in Section 25.1.2 following.

When the customer has elected a National Discount Plan (NDP) as set forth in Section 25.2 following, a Service Discount Plan will not be established for any Special Access DS3 Service or Special Access DS1 Service during the time that the customer subscribes to NDP.

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.10 Service Discount Plan* (Cont'd)(A) General (Cont'd)

When a Host Customer with an existing multiplexed High Capacity requests a Shared Billing Arrangement as set forth in Section 7.2.9(D)(6) and a Service Discount Plan is currently in effect, the Service User will have the option of (1) continuing the existing discount plan and terms and conditions in effect as set forth in Section 7.4.10(C)(1) following or, (2) requesting a new Service Discount Plan for a commitment period equal to or longer than the original commitment period at the then effective discount percentage. If the Service User does not agree to (1) or (2) preceding, the existing customer will be responsible for payment of any termination liability associated with the portion of service that will be billed to the Service User prior to the establishment of a Shared Billing Arrangement.

(D)

(D)

When requesting a Service Discount Plan, the customer must specify which services are to be included in the Service Discount Plan. When requesting any activity set forth in (C)(2) through (6) following, the customer must specify by circuit identification which services are affected.

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.10 Service Discount Plan* (Cont'd)(B) Description

A Service Discount Plan applies to:

- Special Access Service Standard Non-Competitive End-User Channel Terminations and applicable Optional Features and Functions or BSEs monthly or base rates, as set forth in 31.7 following; (C)

For services provided with Rate Stability as set forth in (G) following, a fixed discount percentage is applied to the Rate Stability Base Rates specified in 31.7 following.

For services provided with Base Rates (without rate stability), a discount percentage is applied to the Base Rates specified in 31.7 following.

For all other services, the month-to-month rates for such services are reduced by a fixed percentage.

The amount of the discount percentage differs based on the length of the commitment period selected by the customer and the type of service. The customer must specify the number of months selected as the commitment period for its Service Discount Plan. For existing Service Discount Plans with commitment periods of 2, 3, 4, 5, 7 or 10 years, the commitment period will be converted to a commitment period of 24, 36, 48, 60, 84, or 120 months, respectively.

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.10 Service Discount Plan* (Cont'd)

(C)

(B) Description (Cont'd)

The discount percentage is applied to the currently effective monthly or base rates. Except as set forth in (G) following, such rates may change during the commitment period, thereby causing an increase or decrease in the rates applicable to the customer.

Except for services provided with Rate Stability, in the event that the Telephone Company initiates a rate increase and the total discounted monthly rate for the affected service increases by eight percent (8%) or more, the customer may cancel its service discount plan for the affected service without termination liability as set forth in (C) following. The customer must exercise its option to cancel the service discount plan for the affected service within thirty (30) days of the date of the effective rate increase.

The discount percentage will not be subject to Telephone Company initiated decreases during that period. However, if the Telephone Company initiates an increase in the discount percentage during that period, that increased discount will be used to determine the rates applicable to the customer.

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

(C)

(C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(B) Description (Cont'd)

(1) Service Commitment Periods and Discount Percentages Applicable to Monthly Rates

Service Discount Plans are not applicable to Optional Features and Functions or BSEs except as specified following. Optional Features and Functions or BSEs associated with the service will have the same commitment period as the corresponding service. Optional Features and Functions or BSEs may be added subsequent to the establishment of the service discount plan on the corresponding service, subject to the provisions set forth in (D) following for Additions of Service.

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(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(B) Description (Cont'd)

(1) Service Commitment Periods and Discount Percentages Applicable to Monthly Rates

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(B) Description (Cont'd)

(1) Service Commitment Periods and Discount Percentages Applicable to Monthly Rates. (Cont'd)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.10 Service Discount Plan* (Cont'd)(B) Description (Cont'd)(1) Service Commitment Periods and Discount Percentages Applicable to Monthly Rates. (Cont'd)(a) DS3 Level ServicesHigh Capacity 44.736 Mbps - Electrical Interface**

- Non-Competitive End-User Channel Terminations

(C)

24 months – 35 months	5%#
36 months – 47 months	10%#
48 months – 59 months	25%#
60 months – 71 months	35%#
84 months – 95 months	40%#
- Alternate Serving Wire Center	
24 months – 35 months	5%#
36 months – 47 months	10%#
48 months – 59 months	25%#
60 months – 71 months	35%#
84 months – 95 months	40%#

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

(D)

(D)

Service provided with Base Rates. The percentage discount is applied to the base rate set forth in 31.7 following.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(C)

(B) Description (Cont'd)

(1) Service Commitment Periods and Discount Percentages Applicable to Monthly Rates (Cont'd)

(a) DS3 Level Services (Cont'd)

High Capacity 44.736 Mbps - Electrical Interface (Cont'd)

(C)

(D)

(D)

(D)

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

(C)

(C)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.10 Service Discount Plan* (Cont'd)(B) Description (Cont'd)(1) Service Commitment Periods and Discount Percentages Applicable to Monthly Rates (Cont'd)(b) DS1 Level Services
High Capacity 1.544 Mbps **

- Non-Competitive End-User Channel Terminations (C)

24 months - 35 months	15%
36 months - 47 months	25%
48 months - 59 months	30%
60 months - 71 months	35%
84 months - 95 months	40%

- Alternate Serving Wire Center

24 months - 35 months	15%
36 months - 47 months	25%
48 months - 59 months	30%
60 months - 71 months	35%
84 months - 95 months	40%

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

(D)
(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.10 Service Discount Plan* (Cont'd)(B) Description (Cont'd)(1) Service Commitment Periods and Discount Percentages Applicable to Monthly Rates (Cont'd)(c) DS0 Level ServicesDIGIROUTESM digital service II

- Non-Competitive End-User Channel Terminations (C)

24 months - 35 months	5%
36 months - 47 months	10%
48 months - 59 months	15%
60 months - 71 months	20%
84 months - 95 months	25%

DOVROUTESM Service

- Non-Competitive End-User Channel Terminations (C)

36 months - 47 months	10%
60 months - 71 months	20%

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.10 Service Discount Plan* (Cont'd)(B) Description (Cont'd)(1) Service Commitment Periods and Discount Percentages Applicable to Monthly Rates (Cont'd)(d) Video ServicesBroadcast Video

- Non-Competitive End-User Channel Terminations (C)

36 months - 59 months	10%
60 months - 83 months	20%#
84 months - 95 months	30%+#

Supertrunking Transport Video Service

- Non-Competitive End-User Channel Terminations (C)

36 months - 59 months	10%
60 months - 83 months	20%
84 months - 95 months	35%
120 months - 131 months	40%

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

+ Effective October 11, 2001, Broadcast Video Service will no longer be provided under a Service Discount Plan of 84 months – 95 months. Customers who are already subscribing to, or have on order, Broadcast Video Service with a commitment period of 84 months – 95 months may continue with service under this plan through the end of the commitment period, at which time the customer may renew under any other commitment period being offered at that time.

Not available on Premises to Hub or Premises to Port Non-Competitive End-User Channel Terminations. (C)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.10 Service Discount Plan* (Cont'd)(B) Description (Cont'd)(1) Service Commitment Periods and Discount Percentages Applicable to Monthly Rates (Cont'd)(d) Video Services (Cont'd)Fiber Based Multichannel Video

- Non-Competitive End-User Channel Terminations and Optional Features and Functions (C)

36 months - 59 months	10%
60 months - 83 months	20%
84 months - 119 months	40%
120 months - 131 months	40%

Advanced Uncompressed Digital Video

- Non-Competitive End-User Channel Terminations and Optional Features and Functions (C)

36 months - 59 months	10%
60 months - 71 months	20%

Serial Component Video Service

- Non-Competitive End-User Channel Terminations

36 months - 59 months	10%	(C)
60 months - 71 months	20%	

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

Transmittal No. 106

Issued: July 31, 2020

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Vice President - Regulatory
5 Davis Farm Road, Portland, ME 04103

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(B) Description (Cont'd)

(1) Service Commitment Periods and Discount Percentages Applicable to Monthly Rates (Cont'd)

(e)

(D)

(D)

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

(C)

(C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(B) Description (Cont'd)

(1) Service Commitment Periods and Discount Percentages Applicable to Monthly Rates (Cont'd)

(D)

(D)

7. Special Access Service (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(C)

(1) Service Commitment Periods and Discount Percentages Applicable to Monthly Rates (Cont'd)

(g) [Reserved for Future Use]

(D)

(D)

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

(C)

$$\begin{array}{c} \mathbf{(D)} \\ | \\ | \\ | \\ \mathbf{(D)} \end{array}$$

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(C)

(B) Description (Cont'd)

(1) Service Commitment Periods and Discount Percentages Applicable to Monthly Rates (Cont'd)

(h) Reserved for Future Use

(D)

(D)

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

(C)

(C)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.10 Service Discount Plan* (Cont'd)(C) Termination Liability(1) General

A termination liability applies during the selected commitment period. Except as set forth in (2) through (6) following, if service is disconnected in full or in part prior to the end of the selected commitment period, the customer is liable for a termination liability charge. In addition, should a customer, prior to the end of the selected commitment period, request that some or all channels of a High Capacity or FES facility be used for Switched Access Service the terms and conditions specified in 6.7.16 preceding for the equivalent Switched Access discount plan will apply to such channels for the balance of the selected commitment period. Further, except as provided in (D) and (E) following, when a customer a Service Discount Plan prior to the end of the selected commitment period, the customer is liable for a termination liability charge.

The termination liability charge applies to each service, BSE, Optional Feature or Function, and Network Access Port, or, in the case of cancellation of a Service Discount Plan, to each service, BSE, Optional Feature or Function, and Network Access Port which had been included in the cancelled Service Discount Plan.

When the jurisdiction of a Special Access Service (line) furnished under a Service Discount Plan is changed to intrastate, no termination liability charge applies provided the service (line or port) is furnished under an intrastate service discount plan.

(D)

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(C) Termination Liability (Cont'd)

(1) General (Cont'd)

For the following services, the termination liability charge is calculated for the applicable Non-Competitive End-User Channel Termination, BSE, and Optional Feature or Function monthly rates as set forth in (a) following. (C)

- Voice Grade Service
- Digital Data Service
- DOVROUTESM service

For the following services, the termination liability charge is calculated for the applicable Non-Competitive End-User Channel Termination, BSE, and Optional Feature or Function monthly rates as set forth in (a) or (b) following. When calculating termination liability charges, the Telephone Company will apply the option that provides the customer with the lowest termination liability charge. (C)

- | | | |
|---|---|-----|
| - DDS II | - 44.736 Mbps High Capacity | |
| - 1.544 Mbps High Capacity Service+ | Service | |
| - Advanced Uncompressed Digital Video Service | - Supertrunking Transport Video Service | (D) |
| - Fiber Based Multichannel Video Service | | (D) |
| | - Broadcast Video Service | |

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

+

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(C) Termination Liability (Cont'd)

(1) General (Cont'd)

(D)
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(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(C) Termination Liability (Cont'd)

(1) General (Cont'd)

a) Option 1

- For disconnects on or prior to the end of the minimum period and prior to the end of the selected commitment period, the termination liability charge for is 50% of the applicable monthly rates for each month and fraction thereof remaining between the end of the minimum period and the end of the selected commitment period.
- For disconnects after the end of the minimum period but prior to the end of the selected commitment period and for cancellations prior to the end of the selected commitment period, the termination liability charge is 50% of the applicable monthly rates for each month and fraction thereof in the balance of the selected commitment period.

(b) Option 2

- For disconnects on or prior to the end of the minimum period and prior to the end of the selected commitment period, the termination liability charge will be the difference between the full monthly rates and the discounted monthly rates for the period the service has been in effect.

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.10 Service Discount Plan* (Cont'd)(C) Termination Liability (Cont'd)(1) General (Cont'd)(b) Option 2 (Cont'd)

- For disconnects after the end of the minimum period but prior to the end of the selected commitment period and for cancellations of the Service Discount Plan prior to the end of the selected commitment period the following applies.
- Where there is no Service Discount Plan commitment period less than the actual time the services have been in effect, the termination liability charge will be the difference between the full monthly rates and the discounted monthly rates for the period the service has been in effect.
- Where there is a Service Discount Plan commitment period less than the actual time the services have been in effect, the termination liability charge will be calculated as follows:

(D)
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(D)

Termination liability is calculated as the difference between the monthly rates for the highest Service Discount Plan commitment period that could have been satisfied prior to disconnection of the service or cancellation of the plan and the monthly rates for the selected commitment period multiplied by the actual number of months the service has been in effect. For example, if a customer has a 45 month commitment period and disconnects a 1.544 Mbps High Capacity Service after forty months and 5 days, the highest Service Discount Plan commitment period that could have been satisfied is forty months. To determine the termination liability charge, the monthly rate for the 45 month plan is subtracted from the monthly rate for the 40 month plan and the difference is multiplied by the forty months that the service has been in effect. If the monthly rate for the 45 month plan and the monthly rate for the 40 month plan are the same rate, the termination liability charge is zero.

(C)

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(C) Termination Liability (Cont'd)

(1) General (Cont'd)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(C) Termination Liability (Cont'd)

(1) General (Cont'd)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(C) Termination Liability (Cont'd)

(1) General (Cont'd)

The monthly rates used to calculate termination liability charges are subject to the reductions, as set forth in Section 5.2.7 preceding when Switched Access Services are provided on a Shared Use Digital High Capacity facility.

When some, but not all, services are disconnected for which a first and additional monthly rate is applicable, the monthly rates used to calculate termination liability charges are applied in ascending order beginning with the lowest applicable rates.

The termination liability charge applies in addition to applicable minimum period charges.

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 (D)
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 (D)

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(C) Termination Liability (Cont'd)

(2) Upgrades

Upgrades include the following types of customer requests:

- A request to disconnect some or all of its discounted digital services in order to replace them with Telephone Company provided digital Special Access Services with a bit rate higher than that of services being disconnected or,
- A request to disconnect some or all of its discounted two-point or multipoint services in order to have these services provided over a multiplexed Telephone Company provided 1.544 Mbps High Capacity facility or,
-
- A request to disconnect some or all of its discounted Digital Data Services in order to replace them Telephone Company provided DIGIROUTESM digital services II.

(D)
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(D)

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.10 Service Discount Plan* (Cont'd)(C) Termination Liability (Cont'd)(2) Upgrades (Cont'd)

Upgrades include the following types of customer requests (Cont'd):

- A request to disconnect Video Service in order to replace it with Advanced Uncompressed Digital Video Service.
- A request to disconnect an 8 bit Advanced Uncompressed Digital Video Service in order to replace it with a 10 Bit Advanced Uncompressed Digital Video Service.

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

(D)
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(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.10 Service Discount Plan* (Cont'd)(C) Termination Liability (Cont'd)(2) Upgrades (Cont'd)

Upgrades include the following types of customer requests (Cont'd):

- A request to disconnect Advanced Uncompressed Digital Video Service (AUDVS) in order to replace it with Serial Component Video Service (SCVS), provided that the total dollar amount of the plan for the SCVS is equal to, or greater than, the total dollar amount remaining in the plan for the AUDVS being disconnected.
- A request to disconnect Broadcast Video Service in order to replace it with Serial Component Video Service.

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(D)

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(C) Termination Liability (Cont'd)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(C) Termination Liability (Cont'd)

(2) Upgrades (Cont'd)

Termination liability charges do not apply to the preceding requests provided that:

- The orders for the disconnect of the existing services and the connect of the new services are placed with the Telephone Company at the same time.

- The replacing Special Access Services have a total channel capacity equal to or greater than the total channel capacity of the services being disconnected or

- The number of replacing channelized services provided over a multiplexed High Capacity facility is equal to or greater than the number of services being disconnected.

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

(D)
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(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.10 Service Discount Plan* (Cont'd)(C) Termination Liability (Cont'd)(2) Upgrades (Cont'd)

- The replacing services are provided under a Service Discount Plan for a commitment period equal to or longer than that of the service being disconnected.

(3) Changes

For DIGIROUTESM digital service II and DOVROUTESM service, no termination liability charge applies to the following changes:

- Change from two-point to multipoint or from multipoint to two-point.

(D)

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.10 Service Discount Plan* (Cont'd)(C) Termination Liability (Cont'd)(3) Changes (Cont'd)

For Video and Advanced Video Services, no termination liability charge applies to the following changes:

- Change in channel interface (i.e., number of audio channels). (D)
- Change from two point to multipoint or vice versa provided that the total number of channels under the customer's Service Discount Plan does not decrease. For Advanced Digital Uncompressed Video Service, no termination liability charge will further apply if a multipoint configuration is replaced by two channels, one of which has the Dual Transmit Non-Competitive End-User Channel Termination, provided that the same customer designated premises are maintained. (C)
- Change MVS from One-way Transport to interactive. No termination liability charge applies for discontinuance of the One-way Transport Optional Feature.

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(C) Termination Liability (Cont'd)

(4) Cancellations

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(D)

In the event that the Telephone Company initiates a rate increase and the total discounted monthly rate for the affected service increases by eight percent (8%) or more, the customer may cancel its service discount plan for the affected service without termination liability as set forth in (C) following. The customer must exercise its option to cancel the service discount plan for the affected service within thirty (30) days of the date of the effective rate increase.

A customer may cancel a Service Discount Plan for High Capacity Service or FairPoint EnterPrise DS1 or DS3 service in order to replace it with one of the following services provided under a term/extended service plan, provided that the total dollar amount of the term/extended service plan for that service is equal to, or greater than, the total dollar amount remaining in the plan for the service being disconnected. No termination liability charge will apply to such cancellation.

- SONET Service or Internet Protocol as offered by the Telephone Company

(C)
(D)
(D)

A customer may cancel a Service Discount Plan for Broadcast Video Service, Advanced Broadcast Video Service+ or Serial Component Video Service in order to replace it with Hi-Def or 45 Mbps Digital Video Transport Service (DVTS) provided under a term plan, provided that the total dollar amount of the term plan for the DVTS is equal to, or greater than, the total dollar amount remaining in the plan for the service being disconnected. No termination liability charge will apply to such cancellation.

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

+ ABVS availability is limited. See footnote in Section 7.2.14(B) for more details.

ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.10 Service Discount Plan* (Cont'd)(C) Termination Liability (Cont'd)(4) Cancellations (Cont'd)

A customer may cancel a Service Discount Plan for DIGIROUTESM digital service II, FairPoint EnterPrise DS0, or FairPoint EnterPrise Fractional DS1 services in order to replace it with the following service provided under an extended service plan, provided that the total dollar amount of the extended service plan for that service is equal to, or greater than, the total dollar amount remaining in the plan for the service being disconnected. No termination liability charge will apply to such cancellation.

- Internet Protocol – Virtual Private Network Dedicated User Network Interface Port With Access Line Connection, as offered by the Telephone Company. (C)

A customer may cancel a Service Discount Plan on its 1.544 Mbps and/or 44.736 High Capacity Services without the application of termination liability in order to include such 1.544 Mbps and/or 44.736 High Capacity Services in a Commitment Discount Plan (as set forth in Section 25.1 following) or the National Discount Plan (as set forth in Section 25.2 following).

(5) Moves

Except for 1.544 Mbps and 44.736 Mbps Service, when a customer requests that some or all of its services under a Service Discount Plan be moved to a different building, no termination liability charge applies provided the services remain on the same billing account. When a customer requests that some or all of its 1.544 Mbps or 44.736 Mbps Service under a Service Discount Plan be moved to a different building, no termination liability charge applies provided the services remain within the same Telephone Company operating territory.

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(C)

(C) Termination Liability (Cont'd)

(6) Replacements

- (a) When a customer with existing services under a Service Discount Plan wishes to replace one or more of the service(s) included in that Service Discount Plan with other new or existing services(s) of the same speed or type, as appropriate, for the balance of the commitment period for that Service Discount Plan, no termination liability charge will apply provided that:
 - (i) The orders to accomplish the replacement are placed with the Telephone Company at the same time to be completed at the same time, or for 1.544 Mbps and 44.736 Mbps High Capacity Services, DDS II and Supertrunking Transport Video Services, and their applicable Optional Features and Functions (except as specified in (b) following) which are included in the Service Discount Plan, the orders to accomplish the replacement are (1) placed with the Telephone Company within sixty (60) days of each other and (2) the replacing services are provided within the same Telephone Company operating territory as the services that are replaced in the Service Discount Plan.

(C)

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(C)

(C)

(C)

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

(C)

(C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(C)

(C) Termination Liability (Cont'd)

(6) Replacements (Cont'd)

(a) (Cont'd)

- (ii) The number of services included in the Service Discount Plan remains the same. The replacing services may not be equipped with the same Optional Features and Functions or BSEs as the services they replace. In this case, the appropriate termination liability charges apply to the Optional Features and Functions or BSEs no longer provided.

(C)

(D)

(D)

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

(C)

(C)

$$\begin{array}{c} \textbf{(D)} \\ \vdots \\ \textbf{(D)} \end{array}$$

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(D) Additions of Service (Cont'd)

(2) [Reserved for Future Use]

(D)

(3) [Reserved for Future Use]

(D)

(4) A customer with an existing Service Discount Plan wishing to add an optional feature or function or BSE to an existing service has the following options:

- Cancel the existing Service Discount Plan for the service and include both the optional feature or function or BSE and its corresponding service under a new Service Discount Plan for a commitment period equal to or longer than the that of the cancelled plan for the corresponding service. No termination charges apply to such cancellation.
- Subscribe to the Optional Feature or function or BSE under the existing service discount plan for a commitment period equal to the number of months remaining in the commitment period for the corresponding service, if such a commitment period exists for the applicable optional feature or function or BSE.

(5) [Reserved for Future Use]

(D)

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(E) Extension of Commitment Period

- (1) For all services a customer may, at any time prior to the expiration of the selected commitment period for an existing Service Discount Plan, change to a Service Discount Plan with a longer commitment period at the then effective discount percentage. No termination liability charges will apply for any service extended under the longer commitment period. The monthly rates applicable for the longer commitment period will apply effective with the next bill day following the request for the change.

(D)

- (2) [Reserved for Future Use]

(D)

(D)

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(E) Extension of Commitment Period (Cont'd)

(2) (Cont'd)

(D)
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 (D)

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(F) Rate Regulations

- (1) Where the Service Discount Plan is requested to be provided coincident with the connection of new service, it will be effective with the establishment of service.
- (2) Where the Service Discount Plan is requested to be provided on existing service, the plan will be effective on the date the Telephone Company receives the Access Order requesting the discount.
- (3) [Reserved for Future Use]
- (4) Unless otherwise noted, at the end of its selected commitment period, the customer will have the option of subscribing to any then effective Service Discount Plan. If the customer does not notify the Telephone Company of its choice prior to the expiration of the commitment period, the customer's current Service Discount Plan will be renewed upon expiration of the selected period. The renewed plan will have a commitment period equal to that originally selected by the customer and the plan will be considered new.
- (5) If the customer notifies the Telephone Company of its choice within the first sixty days of the date of renewal, the customer may cancel the renewed plan and subscribe to any then effective Service Discount plan or continue with the renewed plan. If, within the first sixty days of the date of renewal, the customer elects to cancel the renewed plan and subscribe to the service on a month-to-month basis or subscribe to a then effective Service Discount Plan, termination liability will not apply.

(D)
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(D)

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(D)

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

(C)

(G) Rate Stability and Base Rates

For services provided with Rate Stability, the discount percentage is applied to the Rate Stability base rates specified in 31.7 following. Such rates will not be subject to Telephone Company initiated rate increases over the commitment period selected by the customer. However, the Telephone Company may initiate an increase in the discount percentage, thereby causing a decrease in the rates applicable to the customer. In no case will the Rate Stability base rate exceed the non-discounted monthly rate for the service.

(C)

For services provided with Base Rates (without rate stability), the discount percentage is applied to the Base Rates specified in 31.7 following. Such rates are not rate stable and may change during the commitment period, causing an increase or decrease in the rates applicable to the customer. In no case will the Base Rate exceed the non-discounted monthly rate for the service.

(C)

* Service Discount Plans are only available for service elements to which non-competitive rates apply, as described in Section 7.4.12.

(C)

(C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Service Discount Plan* (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.11 Shared Billing Arrangement

Each Service User entering into a Shared Billing Arrangement is solely responsible to the Telephone Company for charges associated with that customer's portion of the shared multiplexed service. Disconnection of service by the Host Customer does not relieve the Service User of the shared multiplexed service of any obligation to pay access charges associated with the portion of the shared multiplexed service to which that Service User subscribes. Billing for services and facilities will continue until a disconnect request from the Service User has been received by the Telephone Company.

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.11 Shared Billing Arrangement (Cont'd)

For administrative purposes, one "Arrangement" under the High Capacity Shared Billing Arrangement option shall be limited to one Service User to connect a specified number of services to one specified multiplexer on the Host Customer's service. A subsequent request by the Service User to increase the number of services connected to the same multiplexer shall not constitute a new or separate "Agreement".

(D)

A Shared Billing Arrangement shall be established between a Host Customer and a Service User upon the completion of the service order for the first circuit(s) in the Arrangement. A Shared Billing Arrangement shall be deemed cancelled when the last circuit in the Arrangement belonging to the Service User has been disconnected.

A Processing Charge will apply for each Service User DS1, DS3 order processed for a Shared Billing Arrangement.

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(D)

A Processing Charge does not apply for Service User Integrated Optical Service Rider order(s) processed for a Shared Billing Arrangement. The order processing charge applies in addition to all other applicable rates and charges for the Service User's service(s).

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.12 Application of Competitive and Non-Competitive Rates

(A) Transport, Optional Features and Functions, and Non-End User Channel Terminations

The FCC has deemed all Special Access transport rate elements, non-end user channel terminations, end user channel terminations for services with a bandwidth greater than a DS3, and packet-based end user channel terminations to be eligible for relief from price cap regulation. Relief from price cap regulation also applies to multiplexing, certain optional features and functions and the non-recurring charges that are not associated with end-user channel terminations. These rate elements are detariffed and excluded from this tariff. Documents, agreements or contracts that provide services excluded from this tariff may be accessed at the Company's website or other company designated locations.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.12 Application of Competitive and Non-Competitive Rates (Cont'd.)

(B) End-User Channel Terminations

The application of rates to End User Channel Terminations for non-packet based Special Access Services with a bandwidth equal to or less than a DS3 is dependent upon whether the serving wire center (SWC) is located in a Competitive County or a Non-Competitive County. If the SWC associated with the End User Channel Termination is located in a Competitive County, the rate element is detariffed and excluded from this tariff. Documents, agreements or contracts that provide services excluded from this tariff may be accessed at the Company's website or other company designated locations. If the End User Channel Termination is served by a serving wire center in a Non-Competitive County, non-competitive rates and charges in Section 31 apply.

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(D)(C)

When service is provided under a Service Discount Plan as set forth in Sections 7.4.10 preceding or a Commitment Discount Plan as set forth in Section 25 following, the discount percentage shall be applied to the rate in the applicable Price Band. When service is provided as part of a Shared Use Arrangement, rates set forth in Section 30 may apply to both the switched access and the special access portions of the facility.

Section 15.3 following lists each non-competitive wire center Regulated by this tariff.

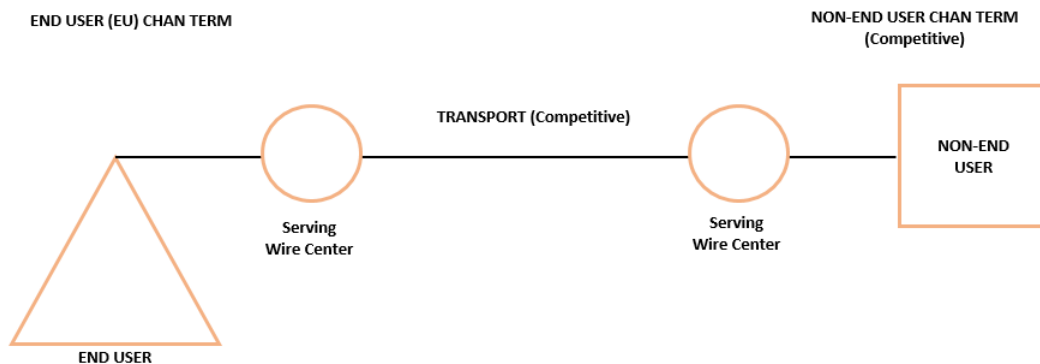
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ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)

7.4.12 Application of Competitive and Non-Competitive Rates (Cont'd)

Examples of competitive and non-competitive rate applications for non-packet based circuits that have a bandwidth of a DS3 or less are illustrated in the following diagrams:

Example 1:**Non-End User to End User Circuit Design**

ACCESS SERVICE

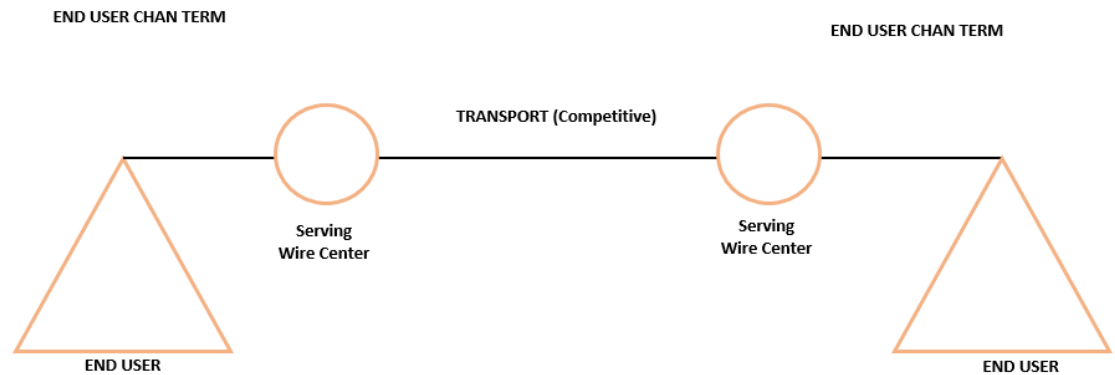
7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.12 Application of Competitive and Non-Competitive Rates (Cont'd)

Example 2:

End User to End User Circuit Design



Channel Termination rates depend on the location of each end user serving wire center. If SWC is located in a non-competitive county, Section 31 end-user Chan Term rates apply. Otherwise, the end user channel termination is detariffed as described above.

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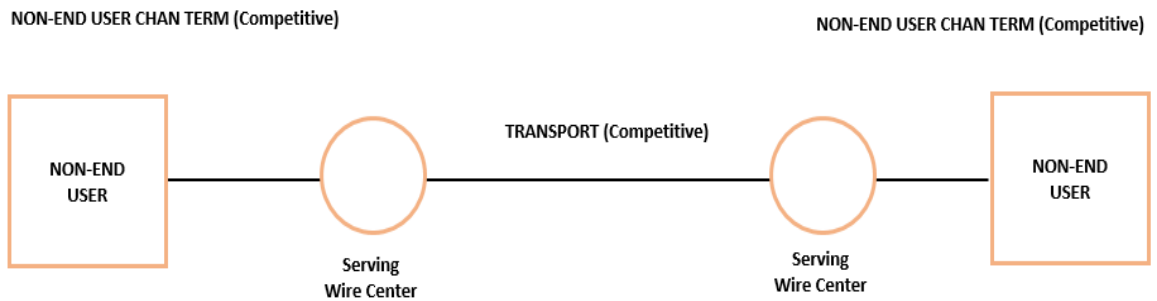
7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.12 Application of Competitive and Non-Competitive Rates (Cont'd)

Example 3:

**ACCESS CARRIER TERMINAL LOCATION to ACCESS CARRIER TERMINAL
LOCATION Connection**



Regardless of whether the serving wire centers are in a Competitive or Non-Competitive County, non-end user channel terminations are deemed competitive and excluded from the tariff.

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ACCESS SERVICE

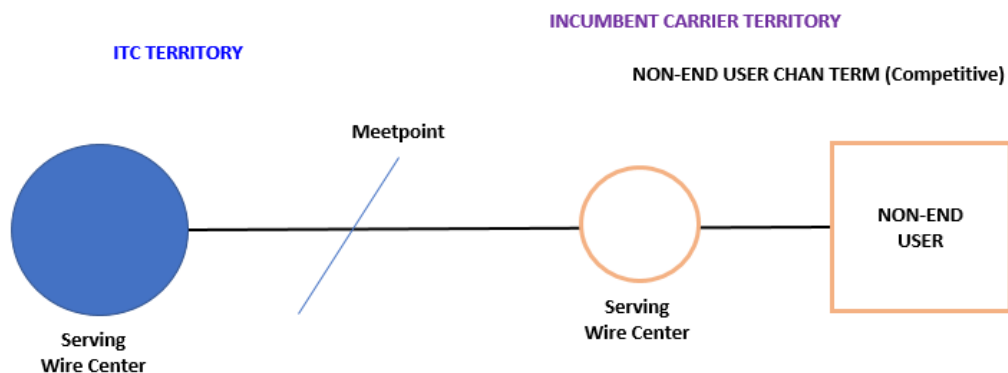
7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.12 Application of Competitive and Non-Competitive Rates (Cont'd)

Example 4:

Access Carrier Terminal Location to Independent Carrier (ITC)



Incumbent Carrier Rates are detariffed regardless of whether the serving wire centers are in a Competitive or Non-Competitive County.

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7.Special Access Service (Cont'd)

7.5 Rates and Charges

Rates and charges for Special Access Service are found in Section 31.7 following for all other rates and charges.

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8. [Reserved for Future Use]

(C)

(D)

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ACCESS SERVICE

8. [Reserved for Future Use]

(C)

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ACCESS SERVICE

8. [Reserved for Future Use]

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ACCESS SERVICE

8. [Reserved for Future Use]

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8. [Reserved for Future Use]

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ACCESS SERVICE

9. [Reserved for Future Use]

(C)

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ACCESS SERVICE

9. [Reserved for Future Use]

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ACCESS SERVICE

9. [Reserved for Future Use]

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ACCESS SERVICE

9. [Reserved for Future Use]

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ACCESS SERVICE

9. [Reserved for Future Use]

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ACCESS SERVICE

9. [Reserved for Future Use]

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ACCESS SERVICE

9. [Reserved for Future Use]

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ACCESS SERVICE

9. [Reserved for Future Use]

(C)

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ACCESS SERVICE

9. [Reserved for Future Use]

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(D)

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ACCESS SERVICE

9. [Reserved for Future Use]

(C)

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ACCESS SERVICE

9. [Reserved for Future Use]

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ACCESS SERVICE

9. [Reserved for Future Use]

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ACCESS SERVICE

9. [Reserved for Future Use]

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9. [Reserved for Future Use]

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ACCESS SERVICE

9. [Reserved for Future Use]

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