

ACCESS SERVICE

7. Special Access Service

7.1 General

Special Access Service provides a transmission path to connect customer-designated premises,* directly, or through a Telephone Company hub or hubs where bridging or multiplexing functions are performed, or to connect a customer designated premises and a WATS Serving Office, or to connect a customer designated premises to a DSL Access Service Connection Point, or to connect a customer designated premises to a Public Packet Data Network Service. Special Access Service includes all exchange access not utilizing Telephone Company end office switches.

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

7.1.1 Channel Types

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

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

Customers can order a basic channel and select from a list of those available transmission parameters and channel interfaces that they desire in order to meet specific communications requirements. For purposes of ordering channels, each has been identified as a type of Special Access Service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. For example, if a customer's equipment is capable of transmitting voice over a channel that is identified as a Metallic Service in this tariff, there is no restriction against doing so.

Following is a brief description of each type of channel:

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

* Telephone Company Centrex CO and CO-like switches and packet switches included in Public Packet Switching Network (PPSN) Service are considered to be a customer-designated premises for purposes of this tariff.

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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 Sections 7.4 through 7.11 following.

The customer also has the option of ordering Voice Grade and High Capacity facilities (e.g., 1.544 Mbps) to Telephone Company hubs for multiplexing to individual channels of a lower capacity or bandwidth. Descriptions of the types of multiplexing available at the hubs, as well as the number of individual channels, which may be derived from each type of facility, are set forth in Sections 7.6 and 7.8 following. Additionally, the customer may specify optional features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the optional features and functions available are set forth in Section 7.2.1 following.

For example, a customer may order a 1.544 Mbps High Capacity channel from a customer designated premises to a Telephone Company hub for multiplexing to voice grade channels. Optional features may be added to either the 1.544 Mbps or the Voice Grade channels.

Similarly, the customer has the option of ordering Synchronous Optical Channel Service to a wire center equipped for Add/Drop Multiplexing. This allows lower level signals to be added or dropped from a high speed optical carrier channel for delivery to a customer designated premises, WATS office, Public Packet Data Network Service, or another wire center. A description of Add/Drop Multiplexing is set forth in Section 7.11.3(B) following.

7.1.2 Service Descriptions

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

	<u>Service Designator Codes</u>
Voice	VG
High Capacity	DS

Each service consists of a basic channel to which a technical specifications package (customized or predefined), channel interface(s) and, when desired, optional features and functions are added to construct the service desired by the customer. Technical specifications packages are described in Section 15 following, optional features and functions are described in this section. Channel interfaces are described in Section 15.2 following.

ACCESS SERVICE7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.2 Service Descriptions (Cont'd)

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 advised and given the opportunity to change the order.

The channel descriptions provided in Sections 7.4 through 7.11 following, specify the characteristics of the basic channel and indicate whether the channel is provided between customer designated premises, between a customer designated premises and a Telephone Company hub where bridging or multiplexing functions are performed, between hubs, between a customer designated premises and a WATS Serving Office, or between a customer designated premises and a DSL Access Service Connection Point, or between a customer designated premises and a wire center equipped for Frame Relay Access Service.

- (A) Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is displayed in matrices set forth in Section 15.2 following.
- (B) 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 Section 15.2 following, in a combination format.
- (C) Only certain channel interface combinations are available with the predefined technical specifications packages. These are delineated in the Technical References set forth in Section 7.1.2(F) following. When a customized channel is requested, all channel interface combinations available with the specified type of service are available with the customized channel.

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7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Service Descriptions (Cont'd)

- (D) The optional features and functions available with each type of Special Access Service are described in this section. The optional features and functions information also indicates with which technical specifications packages they are available. Such information is displayed in matrices set forth in Section 15.2 following with the optional feature or function listed down the left side and the technical specifications package listed across the top.
- (E) The Telephone Company will maintain services installed prior to April 1, 1985, at their existing transmission specifications, provided such performance specifications do not exceed the standards listed in this provision. Those services exceeding the standards listed will be maintained at the performance levels specified in this tariff.
- (F) All services installed after April 1, 1985 will conform to the transmission specifications standards contained in this tariff or in the following Technical References for each category of service:

Voice Grade	TR-NWT-000335 PUB 41004, (MDP-326-584) Table 4
High Capacity	GR-342-CORE GR-54-CORE

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7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations

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

(A) Two-Point Service

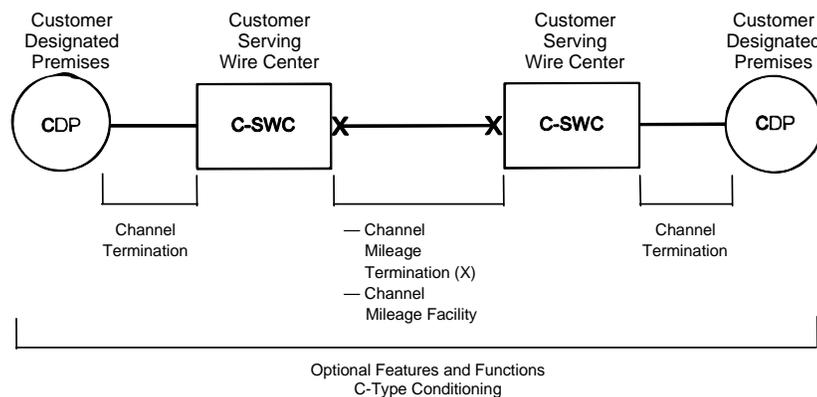
A two-point service connects two customer designated premises, either on a directly connected basis or through a hub where multiplexing functions are performed, or a customer designated premises and a DSL Access Service Connection Point, or a customer designated premises and a wire center equipped for Frame Relay Access Service, or a customer designated premises and a WATS Serving Office (WSO).

Applicable rate elements are:

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

A Special Access Surcharge, as set forth in Section 7.3 following, may be applicable.

The following diagram depicts a two-point Voice Grade service connecting two Customer Designated Premises (CDP). The service is provided with C-Type conditioning.



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7. Special Access Service (Cont'd)

7.1 General (Cont'd)

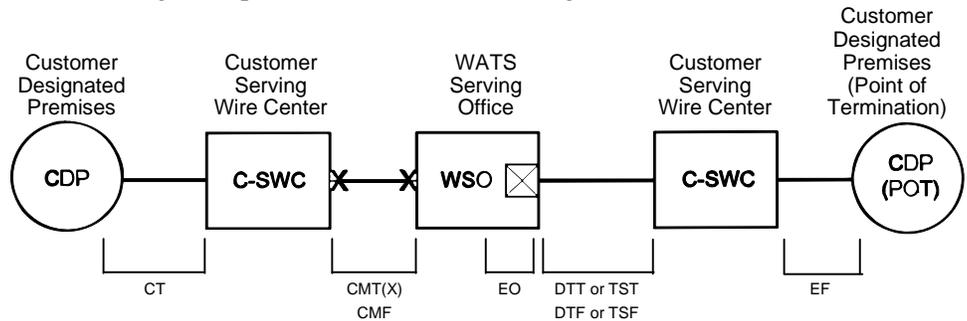
7.1.3 Service Configurations (Cont'd)

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

Applicable rate elements are:

- Channel Terminations [applicable one (1) per CDP]
- Channel Mileage
 - 2 Channel Mileage Terminations plus
 - 1 section, Channel Mileage Facility per mile
- C-Type Conditioning Optional Feature

The following diagram depicts a two-point Voice Grade service connecting a customer designated premises to a WATS serving office.



Special Access

- CT — Channel Termination
- CMT — Channel Mileage Termination
- CMF — Channel Mileage Facility

Switched Access

- EO — End Office Elements
- DTT — Direct Trunked Termination
- TST — Tandem Switched Termination
- DTF — Direct Trunked Facility
- TSF — Tandem Switched Facility
- EF — Entrance Facility

Applicable rate elements for Special Access are:

- Channel Termination
- Channel Mileage
 - 2 Channel Mileage Terminations plus
 - 1 section, Channel Mileage Facility per mile
- Special Access Surcharge*

* May not apply if exemption certification is provided.

ACCESS SERVICE7. 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 one or more Telephone Company hubs. Only certain types of Special Access Service are provided as multipoint service. These are so designated in the descriptions for the appropriate channel.

The channel between hubs (i.e., bridging locations) on a multipoint service is a mid-link. There is no limitation on the number of mid-links available with a multipoint service. However, when more than three mid-links in tandem are provided the quality of the overall service may be degraded.

Multipoint service utilizing a customized technical specifications package, as set forth in Section 7.1.2 preceding and Section 15.2 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).

Applicable Rate Elements are:

- Channel Terminations (one per customer designated premises)
- Channel Mileage (as applicable between the serving wire center for each customer designated premises and the hub and between hubs).
- Bridging
- Additional Optional Features and Functions (when applicable).

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7. Special Access Service (Cont'd)

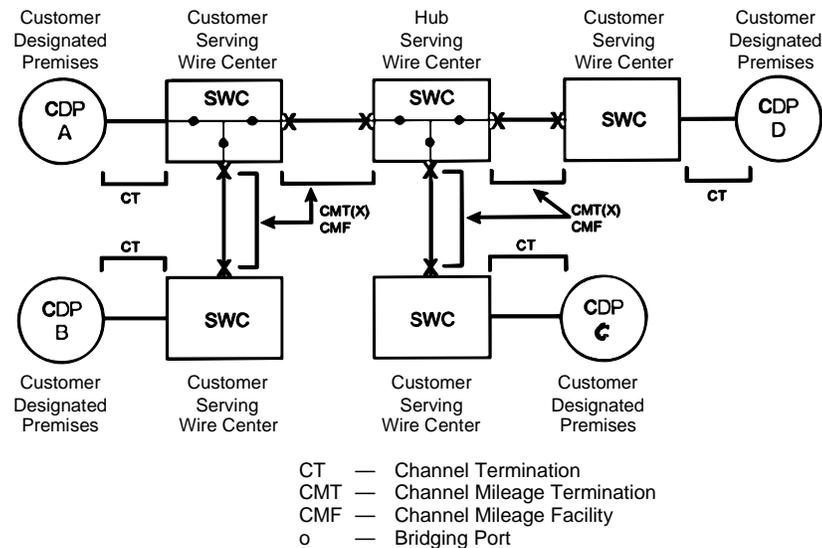
7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(B) Multipoint Service (Cont'd)

The Special Access Surcharge, as set forth in Section 7.3 following, may be applicable.

Example: Voice Grade multipoint service connecting four customer-designated premises (CDP) via two customer-specified bridging hubs.



Applicable rate elements are:

- Channel Terminations (4 applicable)
- Channel Mileage
 - o — 2 Channel Mileage Terminations per Channel Mileage Facility section for a total of 8, plus
 - o — 4 sections, Channel Mileage Facility per mile
- Bridging Optional Feature (6 applicable, i.e., each bridge port)

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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 individual case basis and filed in Section 12 following, Specialized Service or Arrangements. The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered [i.e., Channel Terminations, Channel Mileage (as applicable) and Optional Features and Functions (if any)].

7.1.5 Special Facilities Routing

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

7.1.6 Design Layout Report

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

7.1.7 Acceptance Testing

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

- (A) For Voice Grade analog services, the acceptance test 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 of service. Additionally, for Voice Grade services, a balance (improved loss) test will be made if the customer has ordered the improved loss optional feature.

ACCESS SERVICE7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.7 Acceptance Testing (Cont'd)

- (B) For other analog services (i.e., Metallic, Telegraph, Program Audio, and Video) and for digital services (i.e., Digital Data and High Capacity), acceptance tests will include tests applicable to the service as specified by the customer in the order for service.

In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade service to test other parameters, as described in Section 13.3.1(B) following, is available at the customer's request. All test results will be made available to the customer upon request.

7.1.8 Ordering Options and Conditions

Special Access Service is ordered under the Access Order provisions set forth in Section 5 preceding. Also included in that section are other charges that 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 Rate Regulations

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

7.2.1 Rate Categories

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

- Channel Terminations [described in Section 7.2.1(A) following]
- Channel Mileage [described in Section 7.2.1(B) following]
- Optional Features and Functions [described in Section 7.2.1(C) following].

(A) Channel Terminations

The Channel Termination rate category recovers the costs associated with the communications path between a customer designated premises and the serving wire center of that premises. Included as part of the Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability is provided as an optional feature as set forth in Section 7.2.1(C) following.

For Synchronous Optical Channel Service the high-speed optical communications path is between the Optical Line Termination (OLT) at the customer designated premises and the serving wire center of that premises.

One Channel Termination charge applies per customer-designated premises at which the channel is terminated. This charge will apply even if the customer designated premises and the serving wire center are collocated in a Telephone Company building. For a Special Access Digital Data Service 56.0 or 64.0 kbps Bit Rate or for a 1.544 Mbps or 44.736 Mbps High Capacity Service connecting a customer designated premises to a Public Packet Data Network Service as described in Section 16, following, there will be a charge for only one Channel Termination. For a 1.544 Mbps or 44.736 Mbps High Capacity Service or for an OC3/OC3c Synchronous Optical Channel Service connecting a customer designated premises to a DSL Access Service Connection Point as described in Section 8, following, there will be a charge for only one Channel Termination. For a Metallic Service connecting to a DSL Access Service Connection Point as described in Section 8, following, there will be a charge for two Channel Terminations for each DSL Access Service Connection function ordered.

ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(A) Channel Terminations (Cont'd)

For DS3 High Capacity Service, the Channel Termination rates are made up of the DS3 Capacity Interface rate and the DS3 Channel Installed rate. The Capacity Interface rate is dependent upon the capacity ordered (i.e., Capacity Interface of 1, 3, 6 or 12) and is applicable at each customer designated premises. The capacity ordered is the maximum number of DS3 services that can be terminated on a given service at the customer-designated premises (e.g., a capacity of 3 can terminate 1, 2, or 3 DS3 services). One DS3 Channel Installed rate applies per customer designated premises at which the channel is terminated for each DS3 channel that is ordered. These charges will apply even if the customer designated premises and the serving wire center are collocated in a Telephone Company building.

(B) Channel Mileage

The Channel Mileage rate category recovers the costs associated with the end office equipment and the transmission facilities between the serving wire centers associated with two customer designated premises, between a serving wire center associated with a customer designated premises and a Telephone Company hub, between two Telephone Company hubs, between a serving wire center associated with a customer designated premises and a wire center equipped for Add/Drop Multiplexing (ADM) or between two ADM equipped wire centers. Channel Mileage rates are made up of the Channel Mileage Facility rate and the Channel Mileage Termination rate.

(1) Channel Mileage Facility

The Channel Mileage Facility rate recovers the per mile cost for the transmission path which extends between the Telephone Company serving wire centers and/or hub(s) or between the Telephone Company serving wire center and another wire center equipped for Frame Relay Access Service.

The Synchronous Optical Channel Service Channel Mileage Facility provides high-speed transmission facilities between the Telephone Company serving wire centers or between a Telephone Company serving wire center and another wire center equipped for Add/Drop Multiplexing (ADM) or between two ADM equipped wire centers.

ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(B) Channel Mileage (Cont'd)(2) Channel Mileage Termination

The Channel Mileage Termination rate recovers the cost for end office equipment associated with terminating the facility (i.e., basic circuit equipment and terminations at serving wire centers and hubs). The Channel Mileage Termination rate will apply at the serving wire center(s) for each customer-designated premises and Telephone Company hub where the channel is terminated. If the Channel Mileage is between Telephone Company bridging hubs, the Channel Mileage Termination rate will apply per Telephone Company designated hub. If the Channel Mileage is between the serving wire center for a customer designated premises and a WATS Serving Office, the Channel Mileage Termination rate will apply at both the serving wire center associated with the customer designated premises and the WATS Serving Office. If the Channel Mileage is between the serving wire center for a customer designated premises and another wire center equipped for Frame Relay Access Service, the Channel Mileage Termination Rate will apply only at the serving wire center for the customer designated premises.

If the Channel Mileage is between two wire centers equipped for Add/Drop Multiplexing, the Channel Mileage Termination rate will apply at both wire centers equipped for Add/Drop Multiplexing.

When the Channel Mileage Facility is zero (i.e., collocated serving wire centers), neither the Channel Mileage Facility rate nor the Channel Mileage Termination rate will apply.

ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.1 Rate Categories (Cont'd)(C) Optional Features and Functions

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

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

- Signaling Capability
- Hubbing Functions
- Conditioning
- Transfer Arrangements

Descriptions for each of the available Optional Features and Functions are set forth in Sections 7.4 through 7.11 following.

A hub is a Telephone Company designated serving wire center at which bridging or multiplexing functions are performed. The bridging functions performed are to connect three or more customer designated premises in a multipoint arrangement. The multiplexing functions are to channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth.

ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.2 Types of Rates and Charges

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

(A) Monthly Rates

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

(B) Daily Rates

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

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

ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.2 Types of Rates and Charges (Cont'd)(C) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activity (i.e., installation or change to an existing service). The types of nonrecurring charges that apply for Special Access Service are: installation of service, installation of optional features and functions, and service rearrangements. These charges are in addition to the Access Order Charge as specified in Section 17 following.

(1) Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set for each channel type as a nonrecurring charge for the Channel Termination.

(2) Installation of Optional Features and Functions

When optional features and functions are installed coincident with the initial installation of service, no separate nonrecurring charge is applicable. When optional features and functions are installed or changed subsequent to the installation of service, an Access Order Charge as specified in Section 17 following will apply per order.

(3) Service Rearrangements

Service rearrangements are changes to existing (installed) services which may be administrative only in nature, as set forth following, or that involve actual physical change to the service. Changes to pending orders are set forth in Section 5.4 preceding.

Changes in the physical location of the point of termination or customer designated premises are moves as set forth in Section 7.2.3 following. Changes in the type of Service or Channel Termination that result in a change of the minimum period requirement will be treated as a discontinuance of the service and an installation of a new service.

ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.2 Types of Rates and Charges (Cont'd)(C) Nonrecurring Charges (Cont'd)(3) Service Rearrangements (Cont'd)

Changes in ownership or transfer of responsibility from one customer to another will be treated as a discontinuance of the service and an installation of a new service. In the event the change in ownership or transfer of responsibility is as set forth in Section 2.1.2(A) preceding where there is no change in facilities or arrangements, the change will be treated as an administrative change.

Administrative changes will be made without charge(s) to the customer. Administrative changes are as follows:

- Change of customer name,
- Change of customer or customer's end user premises address when the change of address is not a result of 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.

All other service rearrangements will be charged as follows:

- If the change involves the addition of other customer designated premises to an existing service, the nonrecurring charge for the channel termination rate element will apply. The charge(s) will apply only for the location(s) that is being added. The charge(s) will be in addition to an Access Order Charge as set forth in Section 17 following.

ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.2 Types of Rates and Charges (Cont'd)(C) Nonrecurring Charges (Cont'd)(3) Service Rearrangements (Cont'd)

- If the change involves the addition of an optional feature or function (with the exception of the addition of Clear Channel Capability to an existing service), or if the change involves changing the type of signaling on a Voice Grade service, and for all other changes the Access Order Charge as set forth in Section 17 following will apply.
- When the Clear Channel Capability optional feature is installed on an existing facility, the addition will be treated as a discontinuance and start of service and all associated non-recurring charges will apply.

7.2.3 Moves

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

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

The charges for the move are 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 nonrecurring (i.e., installation) charge for the service termination affected. There will be no change in the minimum period requirements. This charge is in addition to the Access Order Charge as specified in Section 17 following.

ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.3 Moves (Cont'd)(B) Moves To a Different Building

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

7.2.4 Minimum Periods

The minimum service period for all services is one month and the full monthly rate will apply to the first month. Adjustments for the quantities of services established or discontinued in any billing period beyond the minimum period are as set forth in Section 2.4.1(F) preceding.

ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.5 Mileage Measurement

The mileage to be used to determine the monthly rate for the Channel Mileage Facility is calculated on the airline distance between the locations involved, i.e.,

- the serving wire centers associated with two customer designated premises,
- a serving wire center associated with a customer designated premises and a Telephone Company hub,
- a serving wire center associated with a customer designated premises and a wire center equipped for Frame Relay Access Service,
- a serving wire center associated with a customer designated premises and a DSL Access Service Connection Point,
- two Telephone Company hubs,
- a serving wire center associated with a customer designated premises and a wire center equipped for Add/Drop Multiplexing,
- two wire centers equipped for Add/Drop Multiplexing,
- or between the serving wire center associated with a customer designated premises and a WATS Serving Office.

The serving wire center associated with a customer designated premises is the serving wire center from which this customer designated premises would normally obtain dial tone.

Mileage charges are shown with each channel type. To determine the rate to be billed, first compute the mileage using the V&H coordinates method, then multiply the resulting number of miles times the Channel Mileage Facility per mile rate, and add the Channel Mileage Termination rate for each termination. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage and applying the rates. When more than one Telephone Company is involved in the provision of service, billing will be accomplished as set forth in Section 2.4.7 preceding.

When hubs are involved, mileage is computed and rates applied separately for each section of the Channel Mileage, i.e.,

- customer designated premises serving wire center to hub,
- hub to hub and/or
- hub to customer designated premises serving wire center.

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7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.5 Mileage Measurement (Cont'd)

However, when any service is routed through a hub for purposes other than customer specified bridging or multiplexing (e.g., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.

See the service configuration example for multipoint service as set forth in Section 7.1.3(B) preceding. When Add/Drop Multiplexing is offered in connection with Synchronous Optical Channel Service, mileage is computed and rates applied separately for each section of the Channel Mileage, i.e.,

- customer designated premises serving wire center to an Add/Drop Multiplexing (ADM) equipped wire center,
- ADM equipped wire center to ADM equipped wire center,
- ADM equipped wire center to a customer designated premises serving wire center.

7.2.6 Facility Hubs

A customer has the option of ordering Voice Grade service or High Capacity services (i.e., DS1) to a facility hub for channelizing to individual services requiring lower capacity facilities (e.g., Voice, etc.).

Different locations may be designated as hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. When placing an Access Order the customer will specify the desired hub.

ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.6 Facility Hubs (Cont'd)

Additionally, subtending wire centers are identified for Intermediate and Super-Intermediate Hubs. Some of the types of multiplexing available include the following:

- from higher to lower bit rate
- from higher to lower bandwidth
- from high capacity to voice frequency channels.

Point to point services may be provided on channels of these services to a hub. The transmission performance for the point-to-point service provided between customer-designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps channel 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 service to the hub on the date specified by the customer on the Access Order. Individual channels utilizing these services may be installed coincident with the installation of the service to the hub or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a Voice Grade or a High Capacity Channel Termination, Channel Mileage (when applicable), and the multiplexer at the time the service is installed. Individual service rates (by service type) will apply for a Channel Termination and additional Channel Mileage (as required) for each channelized service. These will be billed to the customer as each individual service is installed.

Cascading multiplexing occurs when a High Capacity service is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed.

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

ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.6 Facility Hubs (Cont'd)

The Telephone Company will designate hubs for Program Audio and Video Services. Full-time or part-time service may be provided between customer designated premises or between a customer designated premises and a hub and billed accordingly at the monthly rates set forth in Sections 17 following for a Channel Termination, Channel Mileage and Optional Features and Functions, as applicable. When the service is ordered to a hub, the customer may order full-time or part-time Video and Program Audio services as needed between that hub and additional customer designated premises. The rate elements required to provide the part-time service (i.e., Channel Termination, Channel Mileage and Optional Features and Functions, as applicable) will be billed at daily rates for the duration of the service requested.

7.2.7 Mixed Use

Mixed use refers to a rate applicable when the customer orders High Capacity Service Special Access facilities between a customer designated premises and a Telephone Company hub or ADM equipped wire center where the Telephone Company performs multiplexing/de-multiplexing functions and the same customer then orders the derived channels as Special and Switched Access Services. Mixed use also applies when the customer orders Switched Access Service between a customer designated premises and an end office that is multiplexed at a Telephone Company hub or ADM equipped wire center and the same customer then orders the derived channels as Special and Switched Access Service. Rates and charges will apply for the existing facilities and new facilities as if the service were ordered as mixed use.

Except as noted above, the High Capacity Service facility will be ordered, provided and rated as Special Access Service (i.e., Channel Termination, Channel Mileage, as appropriate, Multiplexing, Customer Node, Customer Premises Port, and Add/Drop Multiplexing). The nonrecurring charge that applies when the mixed-use facility is installed will be the nonrecurring charge associated with the appropriate Special Access High Capacity Channel Termination.

Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for Switched Access Service. Individual service (i.e., Switched or Special Access) nonrecurring charges will not apply to the individual channels of the mixed-use facility.

ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.7 Mixed Use (Cont'd)

When Special Access Service is provided utilizing a channel of the mixed use facility to a hub, High Capacity rates and charges will apply for the facility to the hub, as set forth preceding, and individual service rates and charges will apply from the hub to the customer designated premises.

The rates and charges that will apply to the portion from the hub to the customer designated premises will be dependent on the specific type of Special Access Service that is provided (e.g., Voice Grade, etc.). The applicable rates and charges will include a Channel Termination and Channel Mileage, if applicable. Rates and charges for optional features and functions associated with the service, if any, will apply for the appropriate channel type.

As each individual channel of a Special Access High Capacity Service is activated for Switched Access Service, the Special Access Channel Termination, Channel Mileage and Multiplexing rates will be reduced accordingly (e.g., 1/24th for a DS1 service).

If the Special Access charges for the mixed use facility are subject to Optional Rate Plan discounts (e.g., Term Discount Optional Rate Plan) as set forth in Section 7.2.8 following, the Special Access charges will be reduced to reflect mixed use before the Optional Rate Plan discounts are applied.

Switched Access Service rates and charges, as set forth in Section 17 following, will apply for each channel that is used to provide a Switched Access Service.

The Switched Access Service Entrance Facility charge will be reduced by multiplying its rate by a rate reduction factor (i.e., the ratio of derived Switched Access Service channels to the total number of channels that can be derived). If the Telephone Company is providing Direct Trunked Transport, then the Direct Trunked Transport, Multiplexing, Customer Node, Customer Premises Port, and Add/Drop Multiplexing charges will be reduced by multiplying their respective rates by the rate reduction factor.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Rate Regulations (Cont'd)

7.2.7 Mixed Use (Cont'd)

The following table shows the total voice grade equivalents for each of the services that may be used for Mixed Use.

<u>High Capacity Service</u>	<u>DS3 Quantities</u>	<u>DS1 Quantities</u>	<u>Voice Grade Equivalents</u>
DS1	N/A	1	24

The customer must place an order for each individual Switched or Special Access Service utilizing the Mixed Use facilities and specify the channel assignment for each such service.

7.2.8 Optional Rate Plans

There are two Optional Rate Plans: a High Capacity Optional Rate Plan and a Synchronous Optical Channel Service Optional Rate Plan.

(A) High Capacity Optional Rate Plans

There are two High Capacity Optional Rate plans: a Term Discount plan and a Capacity Discount plan.

The Term Discount plan applies to Special Access DS1 High Capacity Service Channel Termination, Channel Mileage Facility and Channel Mileage Termination monthly rates, as set forth following. The current monthly rates for such services are reduced by a fixed percentage. The amount of the discount percentage differs based on the length of the service commitment period selected by the customer. The Term Discount percentages for High Capacity Service are as set forth in Section 17 following.

Discounts for the Term Discount plan are only applied to High Capacity Service provided to a customer within the same state and LATA by the same Telephone Company.

ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.8 Optional Rate Plans (Cont'd)(A) High Capacity Optional Rate Plans (Cont'd)

The Term Discount Optional Rate Plan is only available from those Telephone Companies listed in Section 17 following.

Telephone Companies offering the Capacity Discount Optional Rate Plan as of this date are listed in Section 17 following. The minimum service period on a monthly rate basis is one month for DS1 service and twelve months for DS3 service.

(1) Term Discounts

DS1 High Capacity Special Access Service may be ordered at the customer's option on a monthly rate basis or for Term Discount periods of 36 months (3 years) or 60 months (5 years).

The minimum service period for all Term Discount plans is twelve months. The customer must specify the length of the service commitment period at the time the service is ordered.

For customers that subscribe to the Term Discount plan for 36 or 60 months, the Term Discount percentage as set forth in Section 17 following will be frozen from Company initiated decreases, for the entire discount period at the percent in effect at the beginning of the Term Discount period.

If a Term Discount Percentage increase occurs during the term of an existing Term Discount plan, the increased percentage will be applied automatically to the remainder of the current Term Discount period.

At the end of the Term Discount period, the customer may convert to month-to-month service or subscribe to a new Term Discount plan. If the customer does not make a choice by the end of the discount period, the rates will automatically convert to month-to-month service rates.

ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.8 Optional Rate Plans (Cont'd)(A) High Capacity Optional Rate Plans (Cont'd)(1) Term Discounts (Cont'd)

To be included in a Term Discount plan, all eligible High Capacity rate elements must be ordered for the same commitment term (i.e., all 36 months or all 60 months) and with the same service date. When additional capacity is subsequently added, it will be available only on a month-to-month basis unless the discount period of the entire service is upgraded.

Eligible DS1 High Capacity rate elements are those Channel Terminations, Channel Mileage Facility and Channel Mileage Terminations provided to a customer within the same state and LATA by the same Telephone Company. As long as the number of DS1s included in a Term Discount plan remains constant, customer requests to install and disconnect DS1 services, including changes affecting different wire centers and/or customer designated premises, will not change the current Term Discount period or the minimum service period, and Discontinuance of Service charges as set forth in Section (3) following will not apply.

(a) Upgrades in Term Discounts

Services provided under monthly rates or Term Discount rates may be upgraded to a Term Discount plan at any time without incurring Channel Termination nonrecurring charges or discontinuance charges for existing services. The new Term Discount plan must meet or exceed the service term of the plan being upgraded. For example, a service with a 36-month commitment period may be upgraded to a new 36-month or 60-month service period. The monthly rates will be those that are in effect at the time the service is upgraded. A new minimum service period applies to all High Capacity Service that is upgraded.

ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.8 Optional Rate Plans (Cont'd)(A) High Capacity Optional Rate Plans (Cont'd)(1) Term Discounts (Cont'd)(b) Upgrades in Capacity (DS1 to DS3)

If the customer chooses to upgrade a service under the Term Discount rate plan to a higher capacity (i.e., DS1), discontinuance charges will not apply, provided all the following conditions are met:

- the customer's order for the disconnect of the existing DS1 Service and the installation of the new DS3 Service are received at the same time and specifically reference the application of upgrade in capacity,
- the customer's disconnect order for the existing DS1 Service must reference the DS3 Service installation order,
- the new service has a total voice equivalent channel capacity greater than the total voice equivalent channel capacity of the service being discontinued and,
- the new Term Discount period meets or exceeds the Term Discount period being discontinued.

A new minimum service period applies to all upgrades. Channel Termination nonrecurring charges for an equivalent channel capacity of the existing services being upgraded to the higher speed service will not be assessed. For example, 30 DS1 Services are being upgraded to DS3 Service. A capacity of 3 is installed at the customer's request. A total of 2 DS3 Channel rate elements will be installed without Channel Termination nonrecurring charges being assessed, as it will require 2 DS3 Channel rate elements to provide the equivalent channel capacity of the existing services. Channel Termination nonrecurring charges will not apply to the upgraded lower speed services placed on the higher speed service if requested at the same time as the upgrade request. Channel Termination nonrecurring charges will apply for capacity that exceeds the existing equivalent channel capacity.

ACCESS SERVICE7. Special Access Service (Cont'd)7.2 Rate Regulations (Cont'd)7.2.8 Optional Rate Plans (Cont'd)(A) High Capacity Optional Rate Plans (Cont'd)(1) Term Discounts (Cont'd)(b) Upgrades in Capacity (DS1 to DS3) (Cont'd)

Should the customer choose to upgrade either a portion of, or the entire DS1 Service under the Term Discount plan to a DS3 Service and move the service to a new customer location(s) within the same state and LATA, and when service is provided by the same telephone company, discontinuance charges will not apply.

(c) Discontinuance of Service

If the customer chooses to disconnect all or a portion of the service prior to the expiration of the Term Discount period, discontinuance charges will apply to the portion of the service being discontinued.

Should the customer choose to discontinue a Term Discount plan prior to the completion of the minimum service period, discontinuance charges will apply. Discontinuance charges equal to one hundred percent of the total undiscounted monthly rates, less any amounts previously paid, will apply for the minimum service period. Additionally, discontinuance charges of fifteen percent for DS1 service, and fifty percent for DS3 service, of the total undiscounted monthly charges will apply to the remaining portion of the discount service term.

Should the customer choose to discontinue service ordered under a Term Discount plan after the minimum service period but before the completion of the discount period, discontinuance charges will apply. Discontinuance charges of fifteen percent for DS1 Service, and fifty percent for DS3 Service, of the total undiscounted monthly charges will apply to the remaining portion of the discount period. For example, a customer has a DS1 Service, which it chooses to discontinue after 33 months into a 60-month service term. The discontinuance charge would be 0.15 times 27 months times the undiscounted monthly rates for that service.

ACCESS SERVICE7. Special Access Service (Cont'd)7.3 Surcharge for Special Access Service7.3.1 General

Special Access Services provided under this tariff may be subject to the monthly Special Access Surcharge.

7.3.2 Application

- (A) The Special Access Surcharge will apply to each interstate Special Access Service that terminates on an end user's PBX or other device, where through a function of the device, the Special Access Service interconnects to the local exchange network. Interconnection functions include, but are not limited to, wiring and software functions, bridging, switching or patching of calls or stations. The Surcharge will apply irrespective of whether the interconnection function is performed in equipment located at the customer's premises or in a Centrex CO-type switch.
- (B) Special Access Service will be exempted from the Surcharge by the Telephone Company upon receipt of the customer's written certification for the following Special Access Service terminations:
- (1) an open-end termination in a Telephone Company switch of an FX line, including CCSA and CCSA-equivalent ONALs; or
 - (2) an analog channel termination that is used for radio or television program transmission; or
 - (3) a termination used for TELEX service; or
 - (4) a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines such as, terminations which are restricted through hardware or software; or
 - (5) a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges such as, where the Special Access Service accesses only FGA and no local exchange lines, or Special Access Service between customer points of termination, or Special Access Service connecting CCSA or CCSA-type equipment (inter-machine trunks); or
 - (6) a termination that the customer certifies to the Telephone Company is not connected to a PBX or other device which interconnects the Special Access Service to a local exchange subscriber line.

ACCESS SERVICE7. Special Access Service (Cont'd)7.3 Surcharge for Special Access Service (Cont'd)7.3.3 Exemption of Special Access Service

- (A) Special Access Services which are terminated as set forth in Section 7.3.2(B) preceding will be exempted from the Special Access Surcharge if the customer provides the Telephone Company with written exemption certification. The certification may be provided to the Telephone Company as follows:
- at the time the Special Access Service is ordered or installed;
 - at such time as the service is reterminated to a device which does not interconnect the service to local exchange facilities; or
 - at such time as the service becomes associated with a Switched Access Service that is subject to Carrier Common Line Charges.
- (B) 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 Section 7.3.2(B) preceding, for each termination, and the date which the exemption is effective.
- (C) 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) The Telephone Company will work cooperatively with the customer to resolve any questions regarding the exemption certification. In addition, the Telephone Company may withhold exemption of the service until the questions are resolved.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Surcharge for Special Access Service (Cont'd)

7.3.4 Rate Regulations

- (A) The surcharge will apply as set forth in Section 7.3.2(A) preceding, except that a surcharge will be assessed on a per voice grade equivalent basis for Special Access Services derived from High Capacity Special Access Services as illustrated in the following example:

<u>Special Access Service</u>	<u>Voice Grade Equivalent</u>	<u>Surcharge</u>	<u>Monthly Charge</u>
DS1	24	x \$25	= \$600.00

The preceding example illustrates the maximum number of surcharges applicable to a DS1. If the customer claims exemption(s) as set forth in Section 7.3.3 preceding or, is not utilizing all available voice grade equivalents and has spare capacity, the number of surcharges would be reduced accordingly.

In the case of multipoint Special Access Services, one Special Access Surcharge will apply for each termination of a Special Access Channel at an end user's premises.

- (B) The Telephone Company will bill the appropriate Special Access Surcharge to the ordering customer for each interstate Special Access Service installed unless exemption certification is provided as set forth in Section 7.3.3 preceding.
- (C) If a 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 set forth in Section 7.3.4(D) following.
- (D) Crediting the Surcharge

The Telephone Company will cease billing the Special Access Surcharge when certification, as set forth in Section 7.3.3 preceding, is received. If the status of the Special Access Service was changed prior to receipt of 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 as specified by the customer in the letter of certification.

ACCESS SERVICE7. Special Access Service (Cont'd)7.4 Metallic Service7.4.1 Basic Channel Description

A Metallic channel is an unconditioned two-wire channel arranged to transmit direct current and 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 or hubs where bridging functions are performed. Interoffice metallic facilities will be limited in length to a total of five miles per channel.

Metallic Special Access Services are typically used for applications such as alarm, pilot wire protective relaying, and dc tripping protective relaying. These examples of applications are not intended to limit a customer's use of the channel or to imply that the channel is limited to a particular use.

Rates and charges for Special Access Metallic Service are as set forth in Section 17 following.

7.4.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in Section 15.2.1(A) following. Compatible network channel interfaces are set forth in Section 15.2.2(C)(1) following.

7.4.3 Optional Features and FunctionsCentral 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 table set forth in Section 15.2.1(A) following shows the technical specifications packages with which the optional features and functions are available.

ACCESS SERVICE7. Special Access Service (Cont'd)7.5 Voice Grade Service7.5.1 Basic Channel Description

A Voice Grade channel is a channel that provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated as two-wire or four-wire. Voice Grade channels are provided between customer designated premises, between a customer designated premises and a Telephone Company hub or hubs, or between a customer designated premises and a WATS Serving Office (WSO).

Voice Grade Special Access Services are typically used for voice and voiceband data applications. Typical examples of voice grade circuits are Foreign Exchange lines (station end only), multipoint private line, voice trunk type, two-point voice grade data (one-way or simultaneous two-way), multipoint voice grade data, and voice grade telephoto or facsimile. These examples of applications are not intended to limit a customer's use of the channel or to imply that the channel is limited to a particular use.

Rates and charges for Special Access Voice Grade Service are as set forth in Section 17 following.

7.5.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in Section 15.2.1(C) following. Compatible network channel interfaces are set forth in Section 15.2.2(C)(3) following.

7.5.3 Optional Features and Functions(A) Central Office Bridging Capability

- (1) Voice Bridging (two-wire and four-wire)
- (2) Data Bridging (two-wire and four-wire)
- (3) Telephoto Bridging (two-wire and four-wire)
- (4) DATAPHONE Select-A-Station Bridging with sequential arrangement ports or addressable arrangement ports

ACCESS SERVICE7. Special Access Service (Cont'd)7.5 Voice Grade Service (Cont'd)7.5.3 Optional Features and Functions (Cont'd)(A) Central Office Bridging Capability (Cont'd)

(5) Telemetry and Alarm Bridging

Split Band, Active Bridging
Passive Bridging
Summation, Active Bridging

The rates for these options are set forth in Section 17 following.

(B) Central Office Multiplexing

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

The rate for this option is set forth in Section 17 following.

(C) Conditioning

Conditioning provides more specific transmission characteristics for Voice Grade services. The rates for these options are set forth in Section 17 following.

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

(1) 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 delineated in Technical Reference TR-NWT-000335.

ACCESS SERVICE7. Special Access Service (Cont'd)7.5 Voice Grade Service (Cont'd)7.5.3 Optional Features and Functions (Cont'd)(C) Conditioning (Cont'd)(2) Improved Attenuation Distortion*

Improved Attenuation Distortion upgrades the frequency versus loss limits of the channel. The technical specifications for Improved Attenuation Distortion are delineated in Technical Reference TR-NWT-000335. This option is available only when ordered in combination with C-Type Conditioning.

(3) Improved Envelope Delay Distortion*

Improved Envelope Delay Distortion upgrades the frequency versus delay response limits of the channel. The technical specifications for Improved Envelope Delay Distortion are delineated in Technical Reference TR-NWT-000335. This option is available only when ordered in combination with C-Type Conditioning.

(4) Data Capability (D Conditioning)

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

The Signal to C-Notched Noise Ratio and intermodulation distortion parameter for Data Capability are delineated in Technical Reference TR-NWT-000335. The rate for this option is set forth in Section 17 following. When a service equipped with Data Capability is used for voice communications, the quality of the voice transmission may not be satisfactory.

* Improved Attenuation Distortion and Improved Envelope Delay Distortion will continue to be provided to all customers who were provided with either or both of these optional features in conjunction with C-Type Conditioning prior to May 4, 1988.

ACCESS SERVICE7. Special Access Service (Cont'd)7.5 Voice Grade Service (Cont'd)7.5.3 Optional Features and Functions (Cont'd)(C) Conditioning (Cont'd)(5) Telephoto Capability

Telephoto Capability provides transmission characteristics suitable for telephotographic communications. Specifically, Telephoto Capability is provided for the control of attenuation distortion and envelope delay distortion on telephotographic services. The attenuation distortion and envelope delay distortion parameters for Telephoto Capability are delineated in Technical Reference TR-NWT-000335. The rate for this option is set forth in Section 17 following.

(6) Sealing Current Conditioning

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

(D) 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-NWT-000335. The rate for this option is set forth in Section 17 following.

ACCESS SERVICE7. Special Access Service (Cont'd)7.5 Voice Grade Service (Cont'd)7.5.3 Optional Features and Functions (Cont'd)(E) Improved Return Loss

- (1) On Effective Four-Wire Transmission at Four-Wire Point of Termination (applicable to each two-wire port): Provides for a fixed 600-ohm impedance, variable level range and simplex reversal. Telephone Company equipment is required at the customer's premises where this option is ordered. The Improved Return Loss parameters are delineated in Technical Reference TR-NWT-000335. The rate for this option is set forth in Section 17 following.
- (2) On Effective Two-Wire Transmission at Two-Wire Point of Termination: Provides for more stringent Echo Control specifications. In order for this option to be applicable, the transmission path must be four-wire at one POT and two-wire at the other POT. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire POT. The Improved Return Loss parameters are delineated in Technical Reference TR-NWT-000335. The rate for this option is set forth in Section 17 following.

(F) Signaling Capability

Signaling Capability provides for the ability to transmit signals from one customer premises to another customer premises on the same service. The rate for this option is set forth in Section 17 following.

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

The following network channel interfaces for Voice Grade service require signaling capability: AB, AC, CT, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, RV and SF. The signaling capability charge will not apply when used in the provision of WATS access service.

(G) Selective Signaling Arrangement

An arrangement that permits code selective ringing for up to ten codes on a multipoint service. The rate for this option is set forth in Section 17 following.

ACCESS SERVICE7. Special Access Service (Cont'd)7.5 Voice Grade Service (Cont'd)7.5.3 Optional Features and Functions (Cont'd)(H) Transfer Arrangement

An arrangement which affords the customer an additional measure of flexibility in the use of an access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to another channel that terminates in either the same or a different customer premises. A key activated or dial-up control service is required to operate the transfer arrangement. A spare channel, if required, is not included as part of the option. The rate for this option is set forth in Section 17 following.

(I) Public Packet Switching Network (PPSN) Interface Arrangement

An arrangement that provides the interface requirements, which permit a Voice Grade service to interface with a Public Packet Switching Network packet switch located in a Telephone Company premises. The interface is compatible with X.25 and X.75 packet switching protocols as defined by the CCITT. This option is provided on an Individual Case Basis as set forth in Section 17 following.

(J) Four-Wire/Two-Wire Conversions

When a customer requests that an effective four-wire channel be terminated with a two-wire channel interface at the customer designated premises, a four-wire to two-wire conversion is required. The customer will be charged the four-wire Channel Termination rate as set forth in Section 17 following when an effective four-wire is specified in the order for service. The rate for the conversion is included as part of the basic four-wire Channel Termination rate.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Voice Grade Service (Cont'd)

7.5.3 Optional Features and Functions (Cont'd)

(K) Improved Two-Wire Voice Transmission

(1) Loss Deviation

The maximum Loss Deviation of the 1004 Hz loss relative to the Expected Measured Loss (EML) is -4.0 dB to +4.0 dB.

(2) Attenuation Distortion

The maximum Attenuation Distortion in the 404 to 280 Hz frequency band relative to loss at 1004 Hz is -2.0 dB to +6.0 dB.

(3) C-Message Noise

The maximum C-Message Noise for the transmission path at the route miles listed is less than:

<u>Route Miles</u>	<u>C-Message Noise</u>
less than 50	35 dBrnc0
51 to 100	37 dBrnc0
101 to 200	40 dBrnc0
201 to 400	43 dBrnc0
401 to 1000	45 dBrnc0

(4) Return Loss

The Return Loss, expressed as Echo Return Loss (ERL) and Singing Return Loss (SRL), is equal to or greater than:

ERL	13.0 dB
SRL	6.0 dB

The rate for the provision of Improved Two-Wire Voice Transmission is included as part of the basic Channel Termination rate.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Program Audio Service

7.6.1 Basic Channel Description

A Program Audio channel is a channel with bandwidth 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 or hubs.

Program Audio Special Access services are typically used in full-time and part-time applications for radio broadcasting, noncommercial educational audio, and wired music. These examples of applications are not intended to limit a customer's use of the channel or to imply that the channel is limited to a particular use.

Rates and charges for Special Access Program Audio Service are as set forth in Section 17 following.

7.6.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in Section 15.2.1(D) following. Compatible network channel interfaces are set forth in Section 15.2.2(C)(4) following.

7.6.3 Optional Features and Functions

(A) Central Office Bridging Capability

Distribution Amplifier

(B) Gain Conditioning

Control of 1004-Hz AML at initiation of service to 0 dB \pm 0.5 dB.

(C) Stereo

Provision of a pair of gain/phase equalized channels for stereo applications. (An additional Program Audio channel must be ordered separately.)

The table set forth in Section 15.2.1(D) following shows the technical specifications packages with which the optional features and functions are available.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.7 Video Service

7.7.1 Basic Channel Description

A Video channel is a channel with one-way transmission capability for a standard 525 line/60 field monochrome, or National Television Systems Committee color, video signal and one or two associated 5 or 15 kHz audio signal(s). The associated audio signal(s) may be either diplexed or provided as one or two separate channels. 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 or hubs.

Rates and charges for Special Access Video Service are as set forth in Section 17 following.

7.7.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in Section 15.2.1(E) following. Compatible network channel interfaces are set forth in Section 15.2.2(C)(5) following.

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

<u>NCI</u>	<u>Audio Bandwidth</u>	<u>Provision</u>
2TV6-1	15kHz	1 Channel, diplexed
2TV6-2	15kHz	2 Channels, diplexed
2TV7-1	15kHz	1 Channel, diplexed
2TV7-2	15kHz	2 Channels, diplexed
4TV6-5	5kHz	1 Channel, separate
4TV6-15	15kHz	1 Channel, separate
4TV7-5	5kHz	1 Channel, separate
4TV7-15	15kHz	1 Channel, separate
6TV6-5	5kHz	2 Channels, separate
6TV6-15	15kHz	2 Channels, separate
6TV7-5	5kHz	2 Channels, separate
6TV7-15	15kHz	2 Channels, separate

ACCESS SERVICE7. Special Access Service (Cont'd)7.8 High Capacity Service7.8.1 Basic Channel Description

A High Capacity channel is a channel for the transmission of nominal 64.0 kbps* or 1.544, 3.152, 6.312, 44.736, or 274.176 Mbps isochronous serial data. The actual bit rate is a function of the channel interface selected by the customer. High Capacity channels are provided between customer designated premises or between a customer designated premises and a Telephone Company hub or hubs. In addition, 1.544 Mbps and 44.736 Mbps High Capacity Service channels may be provided between a customer designated premises and a Telephone Company designated DSL Access Service Connection Point.

The customer may provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises.

A channel with technical specifications package DS1 will be capable of an error-free second performance of 98.75% over a continuous 24-hour period as measured at the 1.544 Mbps rate through a CSU equivalent, which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference GR-342-CORE.

Rates and charges for Special Access High Capacity Service are as set forth in Section 17.

* Available only as a channel of a 1.544 Mbps facility to a Telephone Company Digital Data hub 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 to a Digital Data hub(s). The customer must provide system and channel assignment data.

ACCESS SERVICE7. Special Access Service (Cont'd)7.8 High Capacity Service (Cont'd)7.8.2 Technical Specifications Packages and Network Channel Interfaces

Technical Specifications Packages are set forth in Section 15.2.1(G) following. Compatible channel interfaces are set forth in Section 15.2.2(C)(7) following. The following network channel interfaces (NCIs) define the bit rates that are available for a High Capacity channel:

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

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

ACCESS SERVICE7. Special Access Service (Cont'd)7.8 High Capacity Service (Cont'd)7.8.3 Optional Features and Functions(A) Automatic Loop Transfer

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

(B) Transfer Arrangement

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

(C) Central Office Multiplexing(1) DS4 to DS1

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

(2) DS3 to DS1

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

(3) DS2 to DS1

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

ACCESS SERVICE7. Special Access Service (Cont'd)7.8 High Capacity Service (Cont'd)7.8.3 Optional Features and Functions (Cont'd)(C) Central Office Multiplexing (Cont'd)(4) DS1C to DS1

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

(5) DS1 to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel(s) of this DS1 to the Hub can also be used for a Digital Data Service.

(6) DS1 to DS0

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

(7) DS0 to Subrate

An arrangement that converts a 64.0 kbps channel to subspeeds of up to twenty 2.4 kbps, ten 4.8 kbps, or five 9.6 kbps channels using digital time division multiplexing.

The table set forth in Section 15.2.1(G) following shows the technical specifications packages with which the optional features and functions are available.

(D) Clear Channel Capability (CCC)

- (1) CCC is an arrangement that allows a customer to transport 1.536 Mbps information rate signals over a 1.544 Mbps High Capacity channel or over a 1.544 Mbps High Capacity channel derived from a multiplexed 44.736 Mbps High Capacity channel with no constraint on the quantity or sequence of one and zero bits. This arrangement requires the customer signal at the channel interface to conform to Bipolar with Eight Zero Substitution (B8ZS) line code as described in Technical Reference GR-54-CORE and Technical Reference GR-342-CORE.

ACCESS SERVICE7. Special Access Service (Cont'd)7.8 High Capacity Service (Cont'd)7.8.3 Optional Features and Functions (Cont'd)(D) Clear Channel Capability (CCC) (Cont'd)

- (2) CCC is provided, subject to availability of facilities, on DS1/1.544 Mbps High Capacity channels between two customer designated premises and on multiplexed DS3/44.736 Mbps High Capacity channels or multiplexed DS1/1.544 Mbps High Capacity channels* between a Telephone Company hub office and a customer designated premises.
- (3) The CCC optional feature may be ordered at the same time the High Capacity service is ordered or it may be ordered as an addition to an existing High Capacity Service. The customer must agree to out-of-service periods required to add this feature to an existing High Capacity Service. The charges for the CCC optional feature are as set forth in Section 7.2.2(C)(3) preceding.

* Available only on a DS1-to-Digital multiplexed configuration.

ACCESS SERVICE7. Special Access Service (Cont'd)7.8 High Capacity Service (Cont'd)7.8.3 Optional Features and Functions (Cont'd)(E) Shared SONET Ring Interoffice Transport

- (1) Shared SONET Ring Interoffice Transport (SSRIT) is a non-chargeable optional feature which provides interoffice transmission of a DS3 High Capacity Service over a SONET-based facility deployed in a ring configuration. Shared SONET Ring Interoffice Transport provides increased reliability and functionality using a self-healing ring topology designed to continually monitor service quality, detect any failure within the system, and automatically self-heal within 50 milliseconds around the point of failure by switching to a protect path to ensure the flow of services between locations within the self-healing ring.
- (2) Shared SONET Ring Interoffice Transport is provided for the interoffice portion of DS3 High Capacity Service, subject to availability of SONET ring facilities.
- (3) The Shared SONET Ring Interoffice Transport optional feature may be ordered at the same time the DS3 High Capacity service is ordered or it may be ordered as an addition to an existing DS3 High Capacity Service. The customer must agree to out-of-service periods required to add this feature to an existing DS3 High Capacity Service. The charges for the Shared SONET Ring Interoffice Transport optional feature are as set forth in Section 7.2.2 (C)(3) preceding.

ACCESS SERVICE7. Special Access Service (Cont'd)7.8 High Capacity Service (Cont'd)7.8.3 Optional Features and Functions (Cont'd)(F) DSL Access Service Connection

- (1) The DSL Access Service Connection function provides for the interconnection of a 1.544 Mbps or 44.736 Mbps High Capacity Service with ADSL Access Service as described in Section 8.1, following and Technical Reference ANSI T1.413-1998, and with SDSL Access Service as described in Section 8.2, following.

Rates and charges for the DSL Access Service Connection function are as set forth in Section 17, following. This function applies to each 1.544 Mbps or 44.736 Mbps High Capacity Service terminated at an DSL Access Service Connection Point.

ACCESS SERVICE7. Special Access Service (Cont'd)7.9 Synchronous Optical Channel Service7.9.1 Basic Channel Description

A Synchronous Optical Channel Service channel provides dedicated transport utilizing Synchronous Optical Network (SONET) transmission standards. Synchronous Optical Channel Service provides optical network capability to customers requiring connections at transmission rates of 155.52 Mbps (OC3) and 622.08 Mbps (OC12). Synchronous Optical Channel Service is provided between two customer designated premises (CDP) through one or more Telephone Company wire centers or between a CDP and a wire center equipped for Add/Drop Multiplexing (ADM). In addition, customers at an ADM equipped wire center may add or drop bandwidth capacity from the synchronous optical channel for delivery to a customer designated premises, WATS office, Public Packet Data Network Service, or another wire center.

OC3/OC3c Synchronous Optical Channel Service may also be provided between a customer designated premises and a Telephone Company designated DSL Access Service Connection Point.

Each channel will be configured with one working and one protect fiber pair within the same sheath between the CDP and the serving wire center of the CDP which provides redundancy to protect the customer's service. Should a failure occur, the SONET technology will automatically switch the customer's transmission to the dedicated protect fiber pair.

The customer may provide node and port equipment at the CDP, which allows the high-speed optical carrier channel to be converted to an electrical signal at a lower speed. The provision of such equipment by the customer is subject to compatibility with the Telephone Company's equipment in the serving wire center and must comply with the standards specified in GR-253-CORE.

The OC3 channel is available in a non-concatenated format (OC3), which provides three individual signals. The OC3 channel is also available in a concatenated format (OC3c), which provides a single signal appropriate for data transmissions.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.10 Individual Case Filings

Certain services set forth in Special Access Service, Section 7 are provided on an Individual Case Basis. Rates and charges for Special Access Service provided on an Individual Case Basis are set forth in Section 17 following.

ACCESS SERVICE

8. Digital Subscriber Line Access Services

Digital Subscriber Line Access Services provide transmission services over local exchange service copper facilities that can be used for simultaneous voice and data communications. Service is provided, where available, between customer-designated premises and designated Telephone Company Serving Wire Centers.

8.1 Asymmetric Digital Subscriber Line Access Service

8.1.1 General

Asymmetric Digital Subscriber Line (ADSL) Access Service enables data traffic generated by a customer-provided modem to be transported to a DSL Access Service Connection Point using the Telephone Company's local exchange service facilities. A DSL Access Service Connection Point is an interconnection point designated by the Telephone Company that aggregates data traffic from and to Telephone Company ADSL-equipped Serving Wire Centers (SWCs). The DSL Access Service Connection Point may be located within the operating territory of the Telephone Company or in the operating territory of another telephone company, provided both telephone companies agree to such an arrangement.

When the DSL Access Service Connection Point is located within the Telephone Company's operating territory, the customer's ADSL Access Service must be connected to a telecommunications service provider's (TSP's) customer designated premises using either the Telephone Company's Special Access, Frame Relay, or ATM Access Services.

When the DSL Access Service Connection Point is located in the operating territory of another telephone company, the customer's ADSL Access Service must be connected to a TSP's customer designated premises using either equivalent frame relay access service provided by the distant telephone company, or a combination of DSL Extended Transport provided by the Telephone Company and equivalent special access service provided by the distant telephone company.

ACCESS SERVICE

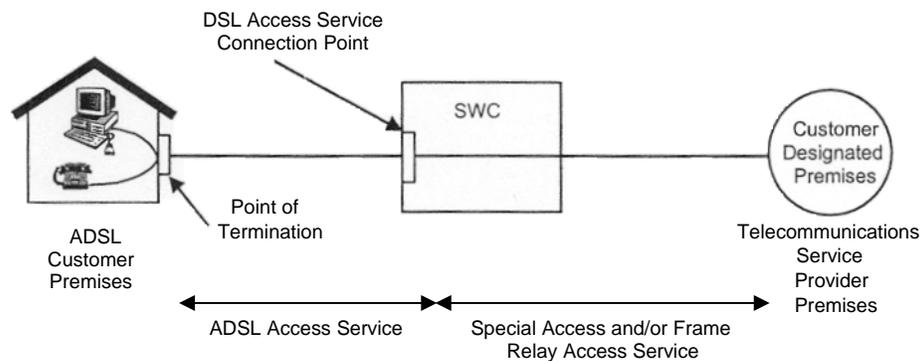
8. Digital Subscriber Line Access Services (Cont'd)

8.1 Asymmetric Digital Subscriber Line Access Service (Cont'd)

8.1.1 General (Cont'd)

A generic view of how ADSL Access Service could be interconnected with a TSP's network is depicted in the figure following. In the first example, the customer's ADSL-equipped Serving Wire Center and associated DSL Access Service Connection Point are located in the same office within the Telephone Company's operating territory. The ADSL Access Service customer orders ADSL Access Service pursuant to the provisions specified in this section. The ADSL Access Service customer's TSP orders Special Access Service and/or Frame Relay Access Service pursuant to the provisions specified in Section 7 preceding and Section 16 following, to connect its customer designated premises to the DSL Access Service Connection Point.

ADSL ACCESS SERVICE



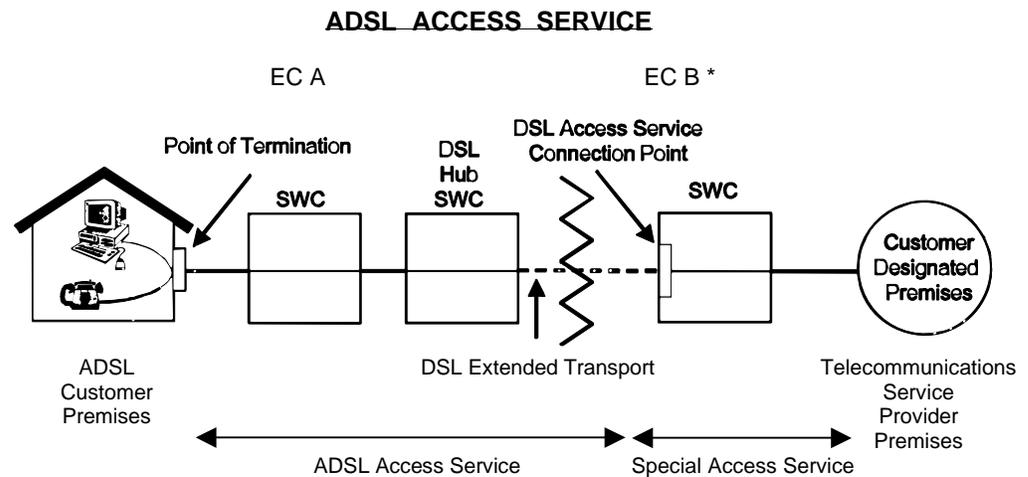
ACCESS SERVICE

8. Digital Subscriber Line Access Services (Cont'd)

8.1 Asymmetric Digital Subscriber Line Access Service (Cont'd)

8.1.1 General (Cont'd)

In the example shown below, the DSL Access Service Connection Point is located outside the Telephone Company's operating territory. The ADSL Access Service customer orders ADSL Access Service pursuant to the provisions specified in this section. In order to connect its customer designated premises to the DSL Access Service Connection Point using special access service, the ADSL Access Service customer's TSP orders DSL Extended Transport from the Telephone Company as specified in this section and equivalent special access service from the distant telephone company.



* If EC B is a non-NECA company, the application of their charges will depend on their access tariff.

8.1.2 Limitations

Unless otherwise specified in Section 8.1.6, following, ADSL Access Service is available at a maximum upstream speed of 512 kbps (i.e., from the customer's equipment up to the DSL Access Service Connection Point) and a maximum downstream speed of 1.544 Mbps (from the DSL Access Service Connection Point down to the customer's equipment). These peak speeds are not guaranteed by the Telephone Company due to factors that may affect the actual speeds delivered, including the ADSL Access Service customer's distance from the Telephone Company Serving Wire Center, condition of the facilities, and any capacity limitations in the TSP's network design. The Telephone Company does not provide customer premises equipment (CPE) in conjunction with the ADSL Access Service offering. ADSL Access Service may not be used in conjunction with multi-point Special Access Service Configurations as described in Section 7.1.3 preceding.

ACCESS SERVICE8. Digital Subscriber Line Access Services (Cont'd)8.1 Asymmetric Digital Subscriber Line Access Service (Cont'd)8.1.2 Limitations (Cont'd)

ADSL Access Service will be furnished where suitable facilities exist as determined by the Telephone Company. The Telephone Company will identify its ADSL-equipped Serving Wire Centers, DSL Access Service Connection Point Serving Wire Centers. The Telephone Companies listed in Section 8.1.6, following, will offer ADSL Access Service under the provisions specified in Section 8.1.

ADSL Access Service will be provided over existing Telephone Company local exchange service lines. Rates and regulations for ADSL Access Service are in addition to any rates and regulations that apply for the associated local exchange service line provided under the terms and conditions in the Telephone Company's general and/or local exchange service tariffs. The Telephone Company will automatically disconnect ADSL Access Service when the associated local exchange service line is disconnected for any reason.

Rates and regulations for Special Access Service and Frame Relay Access Service provided under this tariff will apply for the access service(s) provided between the TSP's customer designated premises and the DSL Access Service Connection Point, as described in Section 7, preceding, and Section 16, following.

ACCESS SERVICE8. Digital Subscriber Line Access Services (Cont'd)8.1 Asymmetric Digital Subscriber Line Access Service (Cont'd)8.1.3 Undertaking of the Telephone Company

The Telephone Company will provide ADSL Access Service at rates and charges as set forth in Sections 17 as follows:

- (A) The Telephone Company will determine if the associated local exchange service line is suitable for use with ADSL Access Service. Service will not be provided on lines that the Telephone Company determines are not suitable for ADSL Access Service or on lines that produce interference with other services provided by the Telephone Company.
- (B) The Telephone Company, after determining if the local exchange service line is suitable for ADSL Access Service, will notify the customer if any additional CPE is necessary to support ADSL Access Service.
- (C) The Telephone Company will provision and maintain ADSL Access Service from the DSL Access Service Connection Point to the Point of Termination at the ADSL Access Service customer's premises, excepted as provided for in Section 8.1.5(D) following.
- (D) The Telephone Company will notify the ADSL Access Service customer's TSP when DSL Extended Transport, as described in Section 8.1.5(D), following, is required.

8.1.4 Obligations of the Customer

In addition to the regulations described in other sections of this tariff, the following provisions apply to ADSL Access Service:

- (A) The customer is responsible for providing the Telephone Company with the necessary information to provision ADSL Access Service [e.g., customer name, telephone number and premises address; billing name and address when different from the customer name and premise address; its internet Protocol (IP) address; and the contact name and telephone number of the TSP with which the customer's ADSL Access Service will interconnect].
- (B) The customer is responsible for providing and maintaining all required customer provided equipment (CPE), which is compatible with ADSL Access Service and complies with the standards specified in Technical Reference ANSI T1.413-1998, except as otherwise specified in Section 8.1.6, following.

ACCESS SERVICE8. Digital Subscriber Line Access Services (Cont'd)8.1 Asymmetric Digital Subscriber Line Access Service (Cont'd)8.1.4 Obligations of the Customer (Cont'd)

- (C) Where required, the ADSL Access Service customer's TSP will order DSL Extended Transport from each Telephone Company designated DSL Transport Hub to its associated DSL Access Service Connection Point as described in Section 8.1.5(D), following.

8.1.5 Rate Regulations

This section contains the regulations governing the rates and charges that apply for ADSL Access Service. Regulations governing the rates and charges for the Special Access and Frame Relay Access Services provided under this tariff used in conjunction with ADSL Access Service are as specified in Section 7, preceding, and Section 16, following.

(A) Minimum Period

The minimum period for which ADSL Access Service is provided to a customer and for which charges are applicable is one month.

(B) Moves

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

- The Point of Termination at the ADSL Access Service customer designated premises
- The ADSL Access Service customer-designated premises

The provisions for moves of ADSL Access Service are the same as those described in Section 7.2.3, preceding, except that an Access Order Charge will not apply.

(C) Temporary Suspension of Service

When the associated local exchange service line over which ADSL Access Service is provided is temporarily suspended, the ADSL Access Service and one-half of the ADSL Line Charge monthly rate will be temporarily suspended for the time period that the associated local exchange service is suspended.

ACCESS SERVICE8. Digital Subscriber Line Access Services (Cont'd)8.1 Asymmetric Digital Subscriber Line Access Service (Cont'd)8.1.5 Rate Regulations (Cont'd)(D) DSL Extended Transport

DSL Extended Transport is required when: 1) the Telephone Company providing ADSL Access Service locates its DSL Access Service Connection Point outside its operating territory in the operating territory of another telephone company and 2) the ADSL Access Service customer's TSP connects its customer designated premises to the DSL Access Service Connection Point using Special Access Service described in Section 7, preceding, or equivalent special access service provided by the distant telephone company.

DSL Extended Transport provides the TSP with a virtual circuit path capable of supporting a peak data speed of up to 1.544 Mbps between a Telephone Company-designated DSL Transport Hub and its associated DSL Access Service Connection Point location. The Telephone Company must designate at least one DSL Transport Hub SWC location within its operating territory when it locates a DSL Access Service Connection Point outside its operating territory. The DSL Transport Hub aggregates ADSL and/or SDSL Access Services data traffic within the operating territory of the Telephone Company providing the DSL Access Service.

DSL Extended Transport is used to transmit ADSL and/or SDSL data traffic. The TSP is responsible for determining and ordering the number of DSL Extended Transport virtual circuit paths it requires to meet its end users' data transmission needs. The TSP must place an order for at least one DSL Extended Transport virtual circuit path, where required, when it places the order for Special Access Service (or equivalent special access service) to connect its customer designated premises to the DSL Access Service Connection Point. An Access Order Charge applies per order for the installation of DSL Extended Transport.

ACCESS SERVICE8. Digital Subscriber Line Access Services (Cont'd)8.1 Asymmetric Digital Subscriber Line Access Service (Cont'd)8.1.5 Rate Regulations (Cont'd)(D) DSL Extended Transport (Cont'd)

DSL Extended Transport is available between a DSL Transport Hub SWC and the associated DSL Access Service Connection Point SWC located within the United States. It is also available between a DSL Transport Hub SWC and a cross border connection point located within the United States when the Telephone Company has located its designated DSL Access Service Connection Point in Canada.

When the DSL Access Service Connection Point is located in Canada, DSL Extended Transport will be furnished by the Telephone Company to a cross border connection point located in the United States. DSL Extended Transport from the cross border connection point to the DSL Access Service Connection Point will be provided by the Canadian telephone company. The Telephone Company will work cooperatively with the TSP and Canadian Telephone Company for the provisioning of DSL Extended Transport in Canada. Rates and regulations defined in this section only apply to that portion of the service between the DSL Transport HUB and the cross border connection point.

(1) Mileage Measurement

- (a) The mileage to be used to determine the monthly charges for each DSL Extended Transport virtual circuit path is calculated using the airline distance between each DSL Transport Hub and its associated DSL Access Service Connection Point when both locations are within the United States. To determine the applicable monthly charges, first compute the mileage using the V&H coordinates method. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the total mileage and applying the rates. Once the total mileage for each path is determined, multiply the number of miles times the DSL Extended Transport per mile rates specified in Section 17 following.

ACCESS SERVICE8. Digital Subscriber Line Access Services (Cont'd)8.1 Asymmetric Digital Subscriber Line Access Service (Cont'd)8.1.5 Rate Regulations (Cont'd)(D) DSL Extended Transport (Cont'd)(1) Mileage Measurement (Cont'd)

(a) (Cont'd)

Example:

- TSP orders two DSL Extended Transport paths between a DSL Transport Hub SWC and the associated DSL Access Service Connection Point SWC. Both SWCs are located within the United States.
- Total mileage between the SWCs is calculated at 28.4 miles.

Monthly charges for DSL Extended Transport are determined as follows:

- Fractional mileage rounded up to the next whole mile equals 29 miles.
 - First 25 miles x \$0.00 per mile equals \$0.00 per path.
 - Next four miles x \$15.31 per mile equals \$61.24 per path.
 - Total mileage charges for DSL Extended Transport in this example equal \$122.48 per month (i.e., \$61.24 x two paths).
- (b) The mileage to be used to determine the monthly charges for each DSL Extended Transport virtual circuit path between a DSL Transport Hub and a cross border connection point is specified below. To calculate the monthly charges for each path, multiply the number of miles between the DSL Transport Hub and the cross border connection point times the DSL Extended Transport per mile rates specified in Section 17 following. The portion of the DSL Extended Transport furnished from the cross border connection point to the DSL Access Service Connection Point is the responsibility of the TSP and is not covered in this tariff as described in Section 8.1.5(D) above.

ACCESS SERVICE8. Digital Subscriber Line Access Services (Cont'd)8.1 Asymmetric Digital Subscriber Line Access Service (Cont'd)8.1.5 Rate Regulations (Cont'd)(E) Rate Categories

There are three types of rates and charges applicable to ADSL Access Service. These are a monthly rate, a nonrecurring charge and a network reconfiguration charge.

The monthly rate for the ADSL Line Charge applies each month or fraction thereof for each local exchange service line equipped with ADSL Access Service. The monthly rate for DSL Extended Transport applies each month or fraction thereof for each 1.544 Mbps virtual circuit path as described in Section 8.1.5(D), preceding.

A nonrecurring charge applies per local exchange service line for the installation of ADSL Access Service. The nonrecurring charge will be waived For each new ADSL Access Line ordered when the customer commits to retain the ADSL Access Line for a minimum period of 12 months following installation of service. If the ADSL Access Line is disconnected for any reason prior to end of 12-month minimum commitment period, the Telephone Company will bill the customer an amount equal to the waived nonrecurring charge.

All changes to existing ADSL Access Service (e.g., a change of TSP and restoral of the ADSL Access Service following a disconnect for non-payment of charges and/or a disconnect of the associated local exchange service line for any reason), other than changes involving DSL network reconfigurations and administrative activities, will be treated as a discontinuance of the existing service and an installation of a new service. A nonrecurring installation charge will apply per ADSL Access Service line for this work activity.

A DSL Network Reconfiguration Charge applies when the ADSL Access Service customer's TSP requests the Telephone Company to modify the Telephone Company's network to: 1) accommodate a change in the ADSL Access Service customer's existing IP address or 2) limit the data speed delivered over the customer's existing ADSL Access Service line. This charge applies for each request per ADSL Access Service line. The Telephone Company will bill the DSL Network Reconfiguration Charge to the ADSL Access Service customer's TSP.

ACCESS SERVICE8. Digital Subscriber Line Access Services (Cont'd)8.1 Asymmetric Digital Subscriber Line Access Service (Cont'd)8.1.5 Rate Regulations (Cont'd)(E) Rate Categories (Cont'd)

The following administrative changes will be made without charge to the customer:

- Change of customer 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),
- Change of billing account number,
- Change of agency authorization that requires no changes to the Telephone Company's network,
- Change of customer contact name or telephone number, and
- Change of jurisdiction.

Rates and charges for ADSL Access Service are as set forth in Section 17, following, when the customer purchases ADSL Access Service under the DSL Access Services Discount Pricing Arrangement described in Section 8.3, following. The DSL Network Reconfiguration Charge is as set forth in Section 17, following. The rate for DSL Extended Transport is as set forth in Section 17, following.

8.1.6 Exceptions

(A) The Telephone Companies listed below offer ADSL Access Service as described in Section 8.1 preceding and Section 8.3, following, with the following exceptions:

- (1) In lieu of the provision specified in Section 8.1.3(B), preceding, the Telephone Company, after determining if the facilities are suitable for ADSL Access Service, will notify the customer if the customer's CPE is compatible with the equipment deployed in the Telephone Company's Serving Wire Center and, if any additional CPE is necessary to support ADSL Access Service.

ACCESS SERVICE8. Digital Subscriber Line Access Services (Cont'd)8.2 Symmetric Digital Subscriber Line Access Service8.2.1 General

Symmetric Digital Subscriber Line (SDSL) Access Service provides the customer the ability to transmit data to (upstream rate) and receive data from (downstream rate) a DSL Access Service Connection Point at the same speed using the Telephone Company's existing local exchange copper facilities. ADSL Access Service Connection Point is an interconnection point designated by the Telephone Company that aggregates data traffic from and to Telephone Company SDSL-equipped Serving Wire Centers (SWCs). The DSL Access Service Connection Point may be located within the operating territory of the Telephone Company or in the operating territory of another telephone company, provided both telephone companies agree to such an arrangement.

When the DSL Access Service Connection Point is located within the Telephone Company's operating territory, the customer's SDSL Access Service must be connected to a telecommunications service provider's (TSP's) customer designated premise using either the Telephone Company's Special Access, Frame Relay, or ATM Access Services. When the DSL Access Service Connection Point is located in the operating territory of another telephone company, the customer's SDSL Access Service must be connected to TSP's customer designated premises using either equivalent frame relay access service provided by the distant telephone company, or a combination of DSL Extended Transport provided by the Telephone Company and equivalent special access service provided by the distant telephone company.

SDSL Access Service is available as two service options, i.e., SDSL Voice-Data and SDSL Data-Only.

- (A) The SDSL Voice-Data option provides transmission of data signals at a peak data transmission speed of 768 kbps using the Telephone Company's existing local exchange service line. This option may be used for simultaneous voice and data communications.
- (B) The SDSL Data-Only option provides transmission of data signals at peak transmission speeds of 144 kbps or 768 kbps using the Telephone Company's existing local exchange copper facilities. This option does not provide the ability to transmit voice communications.

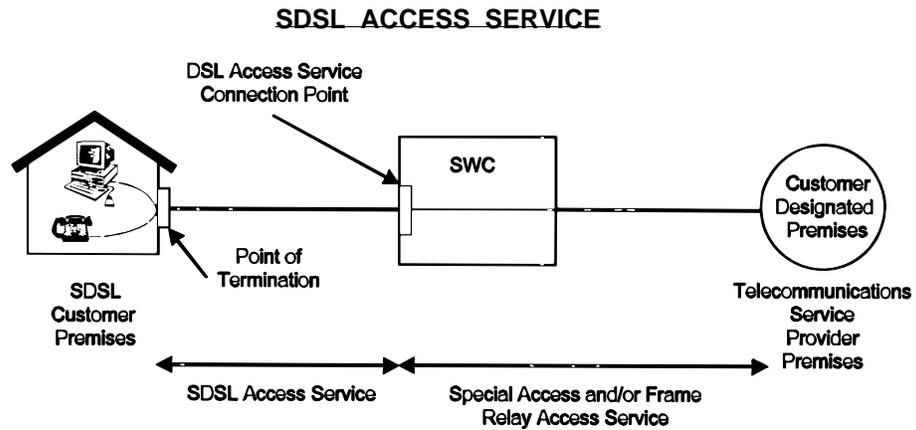
ACCESS SERVICE

8. Digital Subscriber Line Access Services (Cont'd)

8.2 Symmetric Digital Subscriber Line Access Service (Cont'd)

8.2.1 General (Cont'd)

A generic view of how SDSL Access Service could be interconnected with a TSP's network is depicted in the figures following. In the first example, the customer's SDSL-equipped Serving Wire Center and associated DSL Access Service Connection Point are located in the same office within the Telephone Company's operating territory. The SDSL Access Service customer orders SDSL Access Service pursuant to the provisions specified in this section. The SDSL Access Service customer's TSP orders Special Access Service and/or Frame Relay Access Service pursuant to the provisions specified in Section 7, preceding, and Section 16, following, to connect its customer-designated premises to the DSL Access Service Connection Point.



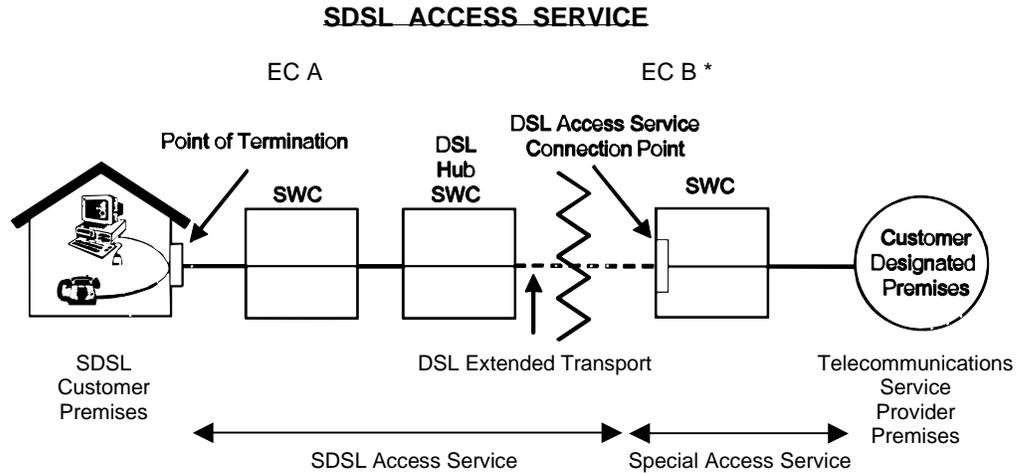
ACCESS SERVICE

8. Digital Subscriber Line Access Services (Cont'd)

8.2 Symmetric Digital Subscriber Line Access Service (Cont'd)

8.2.1 General (Cont'd)

In the example shown below, the DSL Access Service Connection Point is located outside the Telephone Company's operating territory. The SDSL Access Service customer orders SDSL Access Service pursuant to the provisions specified in this section. In order to connect its customer designated premises to the DSL Access Service Connection Point using special access service, the SDSL Access Service customer's TSP orders DSL Extended Transport from the Telephone Company as specified in this section and equivalent special access service from the distant telephone company.



* If EC B is a non-NECA company, the application of their charges will depend on their access tariff.

ACCESS SERVICE8. Digital Subscriber Line Access Services (Cont'd)8.2 Symmetric Digital Subscriber Line Access Service (Cont'd)8.2.2 Limitations

SDSL Access Service is available as two service options as described above. Peak speeds are not guaranteed by the Telephone Company due to factors that may affect the actual speeds delivered, including the SDSL Access Service customer's distance from the Telephone Company Serving Wire Center, condition of the existing copper facilities, and any capacity limitations in the TSP's network design.

The Telephone Company does not provide customer premises equipment (CPE) in conjunction with the SDSL Access Service offering.

SDSL Access Service may not be used in conjunction with multi-point Special Access Service configurations as described in Section 7.1.3 preceding.

SDSL Access Service will be furnished where suitable facilities exist as determined by the Telephone Company. The Telephone Company will identify its SDSL-equipped Serving Wire Centers, DSL Access Service Connection Point Serving Wire Centers. The Telephone Companies listed in Section 17, following, will offer SDSL Access Service under the provisions specified in Section 8.2.

SDSL Access Service will be provided over existing Telephone Company local exchange service facilities. When the customer orders the SDSL Voice-Data option, the rates and regulations for SDSL Access Service are in addition to any rates and regulations that apply for the associated local exchange service line provided under the terms and conditions in the Telephone Company's general and/or local exchange service tariffs. The Telephone Company will automatically disconnect the SDSL Access Service Voice-Data option when the associated local exchange service line is disconnected for any reason.

Rates and regulations for Special Access Service and Frame Relay Access Service provided under this tariff will apply for the access service(s) provided between the TSP's customer designated premises and the DSL Access Service Connection Point, as described in Section 7, preceding, and Section 16, following.

ACCESS SERVICE8. Digital Subscriber Line Access Services (Cont'd)8.2 Symmetric Digital Subscriber Line Access Service (Cont'd)8.2.3 Undertaking of the Telephone Company

The Telephone Company will provide SDSL Access Service at the rates and charges set forth in Sections 17 as follows:

- (A) The Telephone Company will determine if the associated local exchange service line or copper facilities are suitable for use with the SDSL Access Service option ordered by the customer. Service will not be provided on facilities that the Telephone Company determines are not suitable for SDSL Access Service or on facilities that produce interference with other services provided by the Telephone Company.
- (B) The Telephone Company, after determining if the facilities are suitable for SDSL Access Service, will notify the customer if the customer's CPE is compatible with the equipment deployed in the Telephone Company's Serving Wire Center and if any additional CPE is necessary to support SDSL Access Service.
- (C) The Telephone Company will provision and maintain SDSL Access Service from the DSL Access Service Connection Point to the Point of Termination at the SDSL Access Service customer's premises except as provided for in Section 8.2.5(D) following.
- (D) The Telephone Company will notify the SDSL Access Service customer's TSP when DSL Extended Transport, as described in Section 8.2.5(D), following, is required.

ACCESS SERVICE8. Digital Subscriber Line Access Services (Cont'd)8.2 Symmetric Digital Subscriber Line Access Service (Cont'd)8.2.4 Obligations of the Customer

In addition to the regulations described in other sections of this tariff, the following provisions apply to SDSL Access Service:

- (A) The customer is responsible for providing the Telephone Company with the necessary information to provision SDSL Access Service (e.g., customer name, telephone number and premises address; billing name and address when different from the customer name and premises address; its Internet Protocol (IP) address; and the contact name and telephone number of the TSP with which the customer's SDSL Access Service will interconnect).
- (B) The customer is responsible for providing and maintaining all required customer provided equipment (CPE), which is compatible with SDSL Access Service.
- (C) Where required, the SDSL Access Service customer's TSP will order DSL Extended Transport from each Telephone Company designated DSL Transport Hub to its associated DSL Access Service Connection Point as described in Section 8.2.5 (D), following.

ACCESS SERVICE8. Digital Subscriber Line Access Services (Cont'd)8.2 Symmetric Digital Subscriber Line Access Service (Cont'd)8.2.5 Rate Regulations

This section contains the regulations governing the rates and charges that apply for SDSL Access Service. Regulations governing the rates and charges for the Special Access and Frame Relay Access Services provided under tariff used in conjunction with SDSL Access Service are as specified in Section 7 preceding, and Section 16, following.

(A) Minimum Period

The minimum period for which SDSL Access Service is provided to a customer and for which charges are applicable is one month.

(B) Moves

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

- The Point of Termination at the SDSL Access Service customer designated premises
- The SDSL Access Service customer designated premises

The provisions for moves of SDSL Access Service are the same as those described in Section 7.2.3, preceding, except that an Access Order Charge will not apply to move orders for the SDSL Access Service Voice-Data option.

(C) Temporary Suspension of Service

When the associated local exchange service line over which the SDSL Voice-Data option is provided is temporarily suspended, the SDSL Access Service and one-half of the SDSL Line Charge monthly rate will be temporarily suspended for the time period that the associated local exchange service is suspended.

ACCESS SERVICE8. Digital Subscriber Line Access Services (Cont'd)8.2 Symmetric Digital Subscriber Line Access Service (Cont'd)8.2.5 Rate Regulations (Cont'd)(D) DSL Extended Transport

DSL Extended Transport is required when: 1) the Telephone Company providing SDSL Access Service locates its DSL Access Service Connection Point outside its operating territory in the operating territory of another telephone company and 2) the SDSL Access Service customer's TSP connects its customer designated premises to the DSL Access Service Connection Point using Special Access Service described in Section 7, preceding, or equivalent special access service provided by the distant telephone company.

DSL Extended Transport provides the TSP with a virtual circuit path capable of supporting a peak data speed of up to 1.544 Mbps between a Telephone Company-designated DSL Transport Hub and its associated DSL Access Service Connection Point location. The Telephone Company must designate at least one DSL Transport Hub SWC location within its operating territory when it locates a DSL Access Service Connection Point outside its operating territory. The DSL Transport Hub aggregates ADSL and/or SDSL Access Services data traffic within the operating territory of the Telephone Company providing the DSL Access Service.

DSL Extended Transport is used to transmit ADSL and/or SDSL data traffic. The TSP is responsible for determining and ordering the number of DSL Extended Transport virtual circuit paths it requires to meet its end users' data transmission needs. The TSP must place an order for at least one DSL Extended Transport virtual circuit path, where required, when it places the order for Special Access Service (or equivalent special access service) to connect its customer designated premises to the DSL Access Service Connection Point. An Access Order Charge applies per order for the installation of DSL Extended Transport.

ACCESS SERVICE8. Digital Subscriber Line Access Services (Cont'd)8.2 Symmetric Digital Subscriber Line Access Service (Cont'd)8.2.5 Rate Regulations (Cont'd)(D) DSL Extended Transport (Cont'd)

DSL Extended Transport is available between a DSL Transport Hub SWC and the associated DSL Access Service Connection Point SWC located within the United States. It is also available between a DSL Transport Hub SWC and a cross border connection point located within the United States when the Telephone Company has located its designated DSL Access Service Connection Point in Canada.

When the DSL Access Service Connection Point is located in Canada, DSL Extended Transport will be furnished by the Telephone Company to a cross border connection point located in the United States. DSL Extended Transport from the cross border connection point to the DSL Access Service Connection Point will be provided by the Canadian telephone company. The Telephone Company will work cooperatively with the TSP and Canadian Telephone Company for the provisioning of DSL Extended Transport in Canada. Rates and regulations defined in this section only apply to that portion of the service between the DSL Transport HUB and the cross border connection point.

(1) Mileage Measurement

- (a) The mileage to be used to determine the monthly charges for each DSL Extended Transport virtual circuit path is calculated using the airline distance between each DSL Transport Hub and its associated DSL Access Service Connection Point when both locations are within the United States. To determine the applicable monthly charges, first compute the mileage using the V&H coordinates method. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the total mileage and applying the rates. Once the total mileage for each path is determined, multiply the number of miles times the DSL Extended Transport per mile rates specified in Section 17 following.

ACCESS SERVICE8. Digital Subscriber Line Access Services (Cont'd)8.2 Asymmetric Digital Subscriber Line Access Service (Cont'd)8.2.5 Rate Regulations (Cont'd)(D) DSL Extended Transport (Cont'd)(1) Mileage Measurement (Cont'd)

(a) (Cont'd)

Example:

— TSP orders two DSL Extended Transport paths between a DSL Transport Hub SWC and the associated DSL Access Service Connection Point SWC. Both SWCs are located within the United States.

— Total mileage between the SWCs is calculated at 28.4 miles.

Monthly charges for DSL Extended Transport are determined as follows:

— Fractional mileage rounded up to the next whole mile equals 29 miles.

— First 25 miles x \$0.00 per mile equals \$0.00 per path.

— Next four miles x \$15.31 per mile equals \$61.24 per path.

— Total mileage charges for DSL Extended Transport in this example equal \$122.48 per month (i.e., \$61.24 x two paths).

- (b) The mileage to be used to determine the monthly charges for each DSL Extended Transport virtual circuit path between a DSL Transport Hub and a cross border connection point is specified below. To calculate the monthly charges for each path, multiply the number of miles between the DSL Transport Hub and the cross border connection point times the DSL Extended Transport per mile rates specified in Section 17 following. The portion of the DSL Extended Transport furnished from the cross border connection point to the DSL Access Service Connection Point is the responsibility of the TSP and is not covered in this tariff as described in Section 8.2.5(D) above.

ACCESS SERVICE8. Digital Subscriber Line Access Services (Cont'd)8.2 Symmetric Digital Subscriber Line Access Service (Cont'd)8.2.5 Rate Regulations (Cont'd)(E) Rate Categories

There are three types of rates and charges applicable to SDSL Access Service. These are a monthly rate, a nonrecurring charge and a network reconfiguration charge.

The monthly rate for the SDSL Line Charge applies each month or fraction thereof for each SDSL Voice-Data option and SDSL Data-Only option ordered by the customer. The monthly rate for DSL Extended Transport applies each month or fraction thereof for each 1.544 Mbps virtual circuit path as described in Section 8.2.5(D), preceding.

A nonrecurring charge applies for each SDSL Voice-Data and SDSL Data-Only option ordered by the customer for the installation of SDSL Access Service.

All changes to existing SDSL Access Service (e.g., a change of service option, change of service level speed, change of TSP, and restoral of the SDSL Access Service following a disconnect for non-payment of charges and/or a disconnect of the associated local exchange service line for any reason) other than changes involving DSL network reconfigurations and administrative activities, will be treated as a discontinuance of the existing service and an installation of a new service. A nonrecurring installation charge will apply per SDSL Access Service line for this work activity.

A DSL Network Reconfiguration Charge applies when the SDSL Access Service customer's TSP requests the Telephone Company to modify the Telephone Company's network to: 1) accommodate a change in the SDSL Access Service customer's existing IP address or 2) limit the data speed delivered over the customer's existing SDSL Access Service line. This charge applies for each request per SDSL Access Service line. The Telephone Company will bill the DSL Network Reconfiguration Charge to the SDSL Access Service customer's TSP.

ACCESS SERVICE8. Digital Subscriber Line Access Services (Cont'd)8.2 Symmetric Digital Subscriber Line Access Service (Cont'd)8.2.5 Rate Regulations (Cont'd)(E) Rate Categories (Cont'd)

The following administrative changes will be made without charge to the customer:

- Change of customer premises address when the change of address is not a result of physical relocation of equipment,
- Change in billing data (name, address or contact name or telephone),
- Change of billing account number,
- Change of agency authorization that requires no changes to the Telephone Company's network,
- Change of customer contact name or telephone number, and
- Change of jurisdiction.

Rates and charges for SDSL Access Service are as set forth in Section 17 following, when the customer purchases SDSL Access Service under the DSL Access Services Discount Pricing Arrangement described in Section 8.3 following. The DSL Network Reconfiguration Charge is as specified in Section 17 following. The rate for DSL Extended Transport is as set forth in Section 17 following.

ACCESS SERVICE8. Digital Subscriber Line Access Services (Cont'd)8.3 DSL Access Services Discount Pricing Arrangement8.3.1 General

The telecommunications services offered under the DSL Access Services Discount Pricing Arrangement (DPA) are provided at wholesale rates to the customer under the conditions listed below.

- (A) The customer purchases ADSL and/or SDSL Access Service as described in Sections 8.1 and 8.2, preceding, for the purpose of combining these telecommunications services with its own information service(s) to create a new retail service for sale to its end user customer(s).
- (B) In addition to the obligations specified in Sections 8.1.4 and 8.2.4, preceding, the customer assumes the following obligations:
 - (1) The customer will deal directly with its end user customers with respect to all matters pertaining to the service provided, including marketing, sales, ordering, installation, maintenance, trouble reporting, repair, billing and collections. The customer will not direct its end users to contact the Telephone Company for any aspect of the service the customer provides.
 - (2) The customer will submit orders for ADSL and/or SDSL Access Service to the Telephone Company in a format and manner designated by the Telephone Company.
 - (3) The customer will obtain the appropriate authorization to allow the Telephone Company to provision ADSL or SDSL Voice-Data Access Service over the customer's end user's existing telephone exchange service line.

When the customer purchases ADSL and/or SDSL Access Service under the DSL Access Services DPA, the rates and charges in Section 17 following, will apply in lieu of the rates and charges specified in Section 17 following, for ADSL Access Service and/or in Section 17 following, for SDSL Access Service. The DSL Access Services DPA is only available from those Telephone Companies listed in Section 17 following.

ACCESS SERVICE8. Digital Subscriber Line Access Services (Cont'd)8.3 DSL Access Services Discount Pricing Arrangement8.3.1 General (Cont'd)

Services provided under the DSL Access Services DPA are available under a Monthly Plan at the rates and charges specified in Section 17 following, or under a Term Plan described in Section 8.3.2 following, at the rates and charges specified in Section 17 following.

A monthly charge applies for each ADSL and/or SDSL Access Service line covered under the DPA. A nonrecurring charge applies for the installation of each ADSL and/or SDSL Access Service line under the DPA. A DSL Network Reconfiguration Charge would apply for each requested reconfiguration for each ADSL and/or SDSL Access Service line covered under the DPA.

The Telephone Company will bill the customer an Access Order Charge, per order, to convert in-service ADSL and/or SDSL Access Service lines originally purchased under the provisions specified in Sections 8.1 and/or 8.2, preceding, to the DSL Access Services DPA, provided the customer obtains written authorization from its end users authorizing such conversions, where necessary. Per line nonrecurring charges specified in Section 17 following, do not apply to conversion of in-service ADSL and/or SDSL Access Lines to a DPA.

8.3.2 Term Plan(A) Description

The Term Plan provides the customer with reduced rates based on the length of the customer's term commitment and its selected pricing option. The Term Plan is available for terms of one or three years with a choice of two pricing options. The Telephone Company will establish a Term Plan for each Serving Wire Center (SWC) based on the customer's order notifying the Telephone Company which ADSL and/or SDSL-equipped SWC(s) the customer wants included in the plan(s) and its selected term commitment and pricing option for each SWC. An Access Order Charge applies for each order to establish the initial Term Plan(s).

ACCESS SERVICE8. Digital Subscriber Line Access Services (Cont'd)8.3 DSL Access Services Discount Pricing Arrangement8.3.2 Term Plan (Cont'd)(A) Description (Cont'd)

When the customer subscribes to a Term Plan, all in-service ADSL and/or SDSL Access Service lines provided out of and subsequently installed at the included SWC will be billed the rates and charges specified in Section 17 following, for the length of the term commitment. In addition to the applicable ADSL and/or SDSL Line Charges, the customer will be billed a recurring monthly Term Plan Charge for each SWC included in a Term Plan, as specified in Section 17 following, based on its selected pricing option.

If the Telephone Company decreases the rates specified in Section 17 following, during the term of a commitment period, the decreased rates will automatically be applied for the remainder of the current commitment period.

At the end of the Term Plan, the customer may elect to establish a new Term Plan commitment, convert to the rates available under the Monthly Plan, or discontinue service. If the customer does not make an election by the end of the Term Plan, the rates for all ADSL and/or SDSL Access Service lines will automatically be converted to the rates available under the Monthly Plan specified in Section 17 following. An Access Order Charge will not apply to any election made by the customer at the end of the Term Plan.

A Term Plan is subject to payment for early termination as described in (D), following.

(B) Upgrades in Term Plan

A customer may terminate a Term Plan without the application of a termination liability charge when the customer replaces its original Term Plan commitment with a new Term Plan commitment provided the length and pricing option of the new Term Plan commitment is equal to or greater than the length and pricing option of the original Term Plan commitment. An Access Order Charge will not apply when the customer replaces an existing Term Plan with a new Term Plan commitment under this provision.

ACCESS SERVICE8. Digital Subscriber Line Access Services (Cont'd)8.3 DSL Access Services Discount Pricing Arrangement8.3.2 Term Plan (Cont'd)(C) Termination without Liability

A customer may terminate a Term Plan without the application of a termination liability charge if the Telephone Company increases the Term Plan monthly rates described in Section 17 following, during the term of the existing commitment. The customer has 90 days following such rate increase to notify the Telephone Company in writing of its intent to terminate its Term Plan under this section; otherwise, the increased rates will apply for the remainder of the commitment period.

(D) Termination with Liability

If the customer elects to terminate its Term Plan(s) prior to the end of the commitment period for any reason other than specified in Section 8.3.2(B) or 8.3.2(C), preceding, a termination liability charge will apply. For each Term Plan terminated prior to the end of the commitment period, the Telephone Company will bill the customer a charge equal to the monthly Term Plan Charge for its selected pricing option as specified in Section 17 following, multiplied by the number of months remaining in the commitment period.

Monthly Plan rates as described in Section 17 following, will apply to all in-service ADSL and/or SDSL Access Lines following the early termination of a Term Plan.