

## ACCESS SERVICE

7. Special Access Service

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

7.1 General

Special Access Service provides a transmission path to connect customer designated premises\*, either directly, or through a Telephone Company Hub. In addition, Special Access provides a transmission path to connect a customer designated premises to a WATS Serving Office (WSO), to a wire center where connection to an advanced data service# occurs, or to a fiber meet location of a Verizon Dedicated SONET Ring Service or an IntelliLight® Optical Transport Service. Special Access Service includes all exchange access not utilizing Telephone Company end office switches, with the exception of WATS Access Line Service. (D)

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

7.1.1 Channel Types

There are multiple 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: (C)

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

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

\* When Telephone Company central office switches provide local exchange service which utilize a common line which must be interconnected for interstate communications (e.g., Centrex), the Telephone Company central office, where the local exchange service ends and the access connection begins, shall be treated as a customer premises for purposes of this tariff. The physical space from which other Telephone Company services are provided, whether or not on Telephone Company property, shall be treated as a customer premises. The central office where packet data services and data base services reside shall also be included in this definition. (D)

# Advanced data services include Telephone Company provided frame relay services and ATM-cell relay services. Connections to advanced data services are provided by the Telephone Company where such connections are technically and operationally feasible, as determined by the Telephone Company.

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7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.1 Channel Types (Cont'd)

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 300-3000 Hz.

WATS Access Line - a channel between a customer designated premises and a WATS Serving Office (WSO) for transmission of interstate or international traffic.

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

7.1.1 Channel Types (Cont'd)

Digital Data - a channel for the digital transmission of data at rates of 2.4, 4.8, 9.6, 19.2, 56 or 64 kbps.

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

(D)

(D)

(D)

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

The customer also has the option of ordering Voice Grade and analog and digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, 1.544 Mbps and 44.736 Mbps) to a Telephone Company Hub for multiplexing to individual channels of a lower capacity or bandwidth.

The customer may specify optional features for the individual channels derived from the facility to tailor the channel to meet specific communications requirements. Descriptions of the optional features and functions available are also set forth in 7.2 following.

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(D)

(D)

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7. Special Access Service (Cont'd)7.1 General (Cont'd)7.1.2 Rate Categories

The basic rate categories which apply to Special Access Service offered under this tariff are: (T)  
(T)

- Non-Competitive End User Channel Terminations, including WATS Access Connections (WACs) (described in 7.1.2(A) following) (C)  
(D)
- Optional Features and Functions (described in 7.1.2(C) following)
- Surcharge (described in 7.4.2 following)
- Message Station Equipment Recovery Charge (described in 7.4.3 following)

Additionally, rates and charges for Integrated Optical Service Riders may also apply to Special Access connected to Integrated Optical Service Riders as set forth in Section 24.2 following. Rates and charges for Ports also apply to a Special Access DS3 connected to a point to point SONET service as set forth in Section 24.3 following.

## (A) Channel Termination

The Channel Termination rate category provides for the communications path between an end user customer designated premises and the serving wire center of that premises. Included as part of the Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability itself is provided as an optional feature as set forth in (C) following. One Channel Termination charge applies per customer designated premises at which the channel is terminated. This charge will apply even if the customer designated premises and the serving wire center are collocated in a Telephone Company building. For WATS Access Line Service, the WATS Serving Office (WSO) is never considered a customer premises. A Channel Termination charge does not apply: (C)

- at a DSR fiber meet location where high speed interconnection of the Company's facilities to the facilities of the customer or of a third party occurs.

The Channel Termination rate category may also be employed to provide for connections to other service offerings.

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7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Rate Categories (Cont'd)

(B) Channel Mileage

The Channel Mileage rate category is detariffed.

(C)

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7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.2 Rate Categories (Cont'd)

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

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

The following is a list of the Telephone Company's Open Network Architecture (ONA) Special Access Basic Service Elements (BSEs) which provides a cross-reference to the generic name contained in Bell Operating Companies, Service Descriptions, ONA Services User Guide, July 31, 1991, from the product name utilized in this tariff.

<u>GENERIC NAME</u>	<u>VERIZON PRODUCT NAME</u>	(T)
Access to Clear Channel Transmission	Clear Channel Capability	(D)
Bridging	Bridging	
Conditioning	Conditioning	
Inband Signaling	Inband Signaling	(D)
Route Diversity	Route Diversity	
Secondary Channel Capability	Secondary Channel	

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

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

- Signaling Capability
- Hubbing Functions (some of which are detariffed) (C)
- Conditioning (D)

A Hub is a Telephone Company designated serving wire center which may perform bridging, multiplexing, and/or IntelliMux® reconfiguration functions. The bridging functions performed are to connect three or more customer designated premises in a multipoint arrangement. (D)

Descriptions for each of the available Optional Features and Functions are set forth in 7.2 following. Multiplexing functions and IntelliMux® Service are detariffed. (C)  
(C)

7.1.3 Service Configurations

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

(A) Two-Point Service

A two-point service connects two customer designated premises, either on a directly connected basis, or through a Hub. Two point service also connects a customer designated premises and a WATS Serving Office (WSO). (T)  
(D)

Applicable rate elements under this tariff are: (C)  
- Non-Competitive End User Channel Termination(s) (C)  
(D)

- Optional Features and Functions (when applicable)  
In addition, a Special Access Surcharge as set forth in 7.4.2 following, and a Message Station Equipment Recovery Charge as set forth in 7.4.3 following may be applicable. (T)

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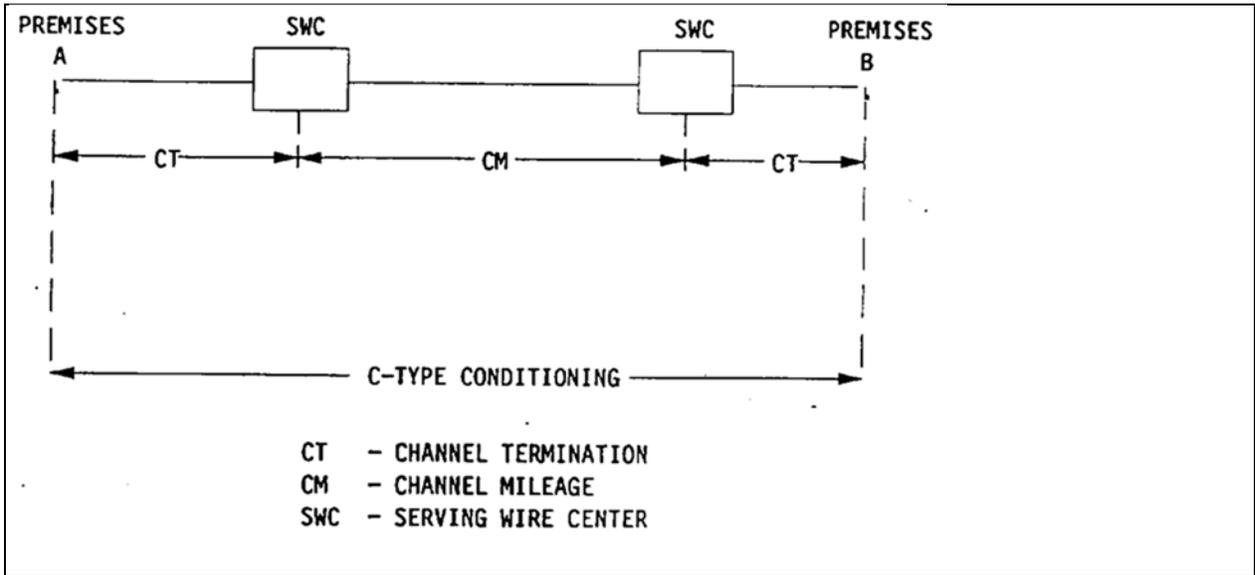
7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(A) Two-Point Service

The following diagram depicts a two-point Voice Grade service connecting two Non-Competitive End User Channel Terminations located 15 miles apart. The service is provided with C-Type Conditioning. (C)  
(C)



Applicable rate elements under this tariff are:

- Non-Competitive End User Channel Terminations (2 applicable) (C)
- C-Type Conditioning Optional Feature (2 applicable) (D)

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7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(B) Multipoint Service

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

(N)  
(N)

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

When ordering, the customer will specify the desired bridging Hub(s) selected from the Exchange Carrier Association Tariff F.C.C. No. 4. This Tariff identifies type(s) of bridging functions which are available and the serving wire centers at which they are available.

Applicable Rate Elements under this tariff are:

(C)

- Non-Competitive End User Channel Terminations (one per customer designated premises)

(C)

- Bridging

(D)  
|

- Additional Optional Features (when applicable).

(D)

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

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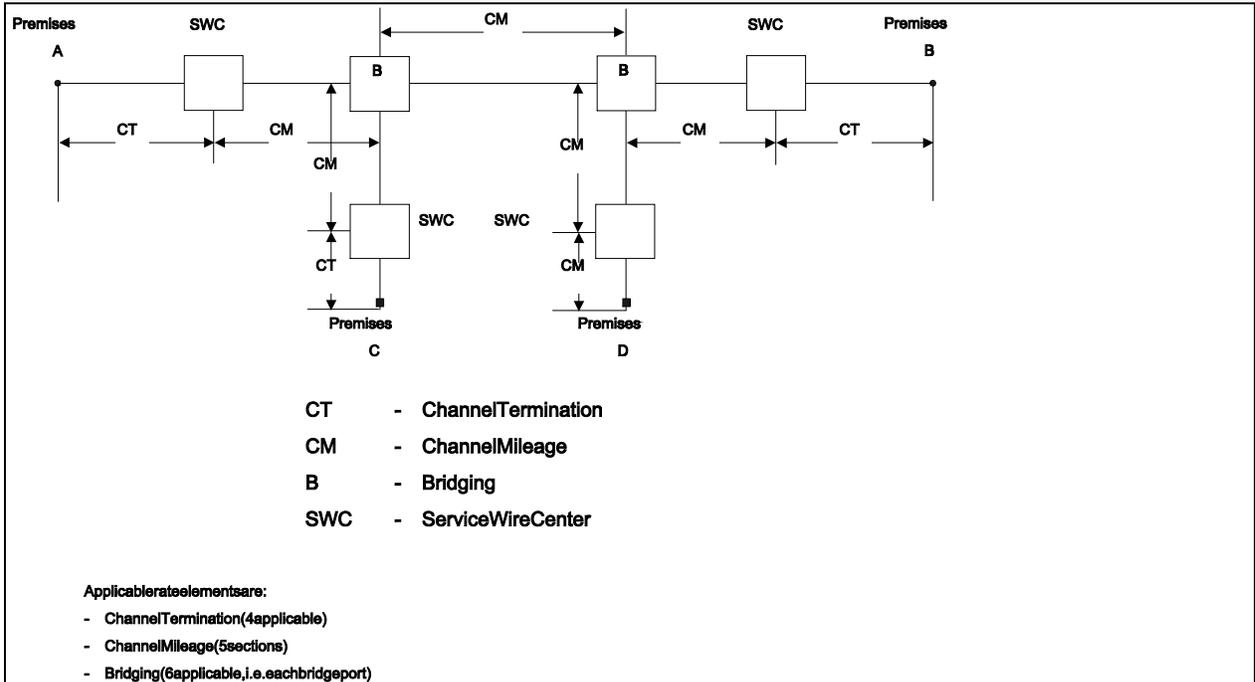
7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(B) Multipoint Service (Cont'd)

Example: Voice Grade multipoint service connecting four Non-Competitive End User Channel Terminations via two customer specified bridging hubs. The rate elements under this tariff are the Non-Competitive End User Channel Terminations and any associated Bridging. (C)  
(N)  
|  
(N)



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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, Specialized Service or Arrangements. The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered (i.e., Non-Competitive End User Channel Terminations and Optional Features [if any]).

(C)  
(D)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 this section and in 11. following:

7.1.6 Design Layout Report

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

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

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

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

In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade Service to test other parameters, as described in 13.3.4(B)(1) following, is available at the customer's request. All test results will be made available to the customer upon request.

7.1.8 Ordering Options and Conditions

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

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

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

Voice Grade (VG)  
WATS Access Connection (WAC)

Digital Data (DA) (D)  
High Capacity (HC)

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. Each of the components of the service are described in this section.

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

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

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

Information pertaining to the technical specifications packages indicates the transmission parameters that are available with each package. This information is displayed in a matrix with the transmission parameters listed down the left side and the packages listed across the top. Each package is identified by a code, e.g., VGC. The first two letters of the code indicate the category of Special Access Service to which the parameters are applicable. These two letter codes are shown above in parentheses following the category of Special Access Service. The letter "C" following the two letter code indicates the technical specifications package for a customized service. A numeric or alpha-numeric designation following the two letter code indicates the specific predefined package. For a customized service, the customer may select any parameters available with that category of service as long as the parameters are compatible. When appropriate, the Technical Reference which contains detailed specifications for the parameters is shown following the matrix.

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

Channel interfaces at each point of termination on a two-point service may be symmetrical or asymmetrical. On a multipoint service they may also be symmetrical or asymmetrical. However, communications can only be provided between points of termination with compatible channel interfaces. Only certain channel interfaces are compatible. These are set forth in 7.3.5 following in a combination format.

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

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

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7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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

Voice Grade	TR-NWT-000335, Issue 3	(D)
WATS Access Line	GR-334-CORE, Issue 1	(D)
		(D)
Digital Data	TR-NWT-000341, Issue 2	
Secondary Channel	TR-NPL-000157, Issue 2	(T)(x)
	PUB 62310	

(x) TR-NPL-000157, Issue 2 replaces TR-NPL-000157, Issue 1 in its entirety.

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7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

High Capacity

GR-54-CORE, Issue 1  
GR-342-CORE, Issue 1  
GR-499-CORE, Issue 4

(T)(x)  
(D)

(D)

(x) GR-499-CORE, Issue 4, replaces GR-499-CORE, Issue 3, in its entirety.

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7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service#

(A) Basic Channel Description

A Voice Grade channel is a channel which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated as analog two-wire or four-wire, or, where facilities permit, as a four-wire in a digital format when used in conjunction with another Voice Grade Channel Termination at the other end. Voice Grade channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

# No new customers may place orders for Voice Grade Service as of the date specified for the locations in the following table. Subject to Section 1.1 preceding, the Telephone Company will continue to provide Voice Grade Service pursuant to this Section 7.2.3 to existing customers in these wire centers with in-service Voice Grade Service as of the specified effective date, or orders for Voice Grade Service placed with the Telephone Company within the permitted time period(s) specified following: (C)  
(C)

(D)

(D)

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7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

(D)

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

The technical specifications for these parameters (except for dropouts, gain hits, and phase hits) are delineated in Technical Reference TR-NWT-000335, Issue 3. (D)

(C) Channel Interfaces

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

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

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

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

(a) Voice Bridging (two-wire and four-wire)

(b) Telephoto Bridging (two-wire and four-wire)

# Service availability limited. Refer to # footnote on Page 7-19.

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7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service# (Cont'd)

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

(8) Signaling Capability

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

(9) Reserved

(10) Reserved

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

	Available with Technical Specifications Package VG-												
	<u>C</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>
C-Type Conditioning Central Office Bridging Capability	X					X	X				X	X	X

(D)  
(D)

# Service availability limited. Refer to # footnote on Page 7-19.

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7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3.1 WATS Access Line Service#

(A) Basic Channel Description

A WATS Access Line Service is a channel which provides voice frequency transmission capability. The service provides customer premise to customer premise connection through the combination of a WATS Access Connection (WAC), a dedicated channel between the customer's end user's premises and a WATS Serving Office (WSO) equipped with Lineside BSA or Trunkside BSAs service as set forth in Section 6 preceding. The WAC is dedicated to one customer who has the ability to transport traffic interstate.

# No new customers may place orders for WATS Access Line Service as of the date specified for the locations in the following table. Subject to Section (C)  
1.1 preceding, the Telephone Company will continue to provide WATS Access Line (C)  
Service pursuant to this Section 7.2.3.1 to existing customers in these wire  
centers with in-service WATS Access Line Service as of the specified effective  
date, or orders for WATS Access Line Service placed with the Telephone Company  
within the permitted time period(s) specified following:

(D)

(D)

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

(D)

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7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3.1 WATS Access Line Service# (Cont'd)

(E) Service Provision Restrictions

The provision of WATS Access Line Service, as described in (A), (B), (C) and (D) preceding, is subject to individual state restrictions governing the provision of intrastate access services and intrastate competition in general. Individual state restrictions are as follows:

(D)

(D)

(1) State of New Jersey

(T)

Interexchange carriers are not authorized to offer intrastate intraLATA WATS Service in New Jersey by order of the New Jersey Board of Public Utilities. Intrastate intraLATA calling must conform to the rules and regulations of the New Jersey Board of Public Utilities. Originating intrastate intraLATA WATS calls are subject to blocking or completion by Verizon New Jersey Inc., as directed or allowed by the New Jersey Board of Public Utilities. Terminating intrastate interLATA (Toll Free\*) calls should be returned by the customer to Verizon New Jersey Inc. for completion, or if this is not possible due to technical limitations and such calls are completed, billing information should be returned to Verizon New Jersey Inc. to allow Verizon New Jersey Inc. to bill such calls as its own traffic.

(T)

(T)

(T)

(T)

\* "Toll Free" service includes any access service which utilizes the following NPA's: 800, 888, 877, 866, 855, 844, 833, and 822 as they become available to the industry.

# Service availability limited. Refer to # footnote on Page 7-29.

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7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3.1 WATS Access Line Service# (Cont'd)

(E) Service Provision Restrictions

(D)

(D)

(2) State of Virginia

(T)

Interexchange carriers are not authorized to offer intraLATA WATS Service in Virginia by order of the Virginia State Corporation Commission. IntraLATA WATS calls will either be blocked, or diverted to Verizon Virginia LLC for completion, at the customer's option.

(T)

(F) WATS Access Line Extensions (WALE)

When WATS Access Line Service is ordered to the end office that normally serves the customer and that office is without WATS screening capability, service is provided from the nearest end office with WATS screening capability (WSO).

(D)

(D)

# Service availability limited. Refer to # footnote on Page 7-29.

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7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.5 Reserved for Future Use

(C)

(D)

(D)

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- 7. Special Access Service (Cont'd)
- 7.2 Service Descriptions (Cont'd)
- 7.2.8 Digital Data Service#

(A) Basic Channel Description

A Digital Data channel is a channel for duplex transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, 19.2, 56 or 64 kbps. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. Digital Data channels are only available via Telephone Company designated hubs and are provided between customer designated premises between a customer designated premises and a Telephone Company Hub, or between a customer designated premises and a wire center where connection to an advanced data service## occurs. Subrating is not available at the 19.2 kbps speed and the 64 kbps speed requires B8ZS Line Code Formatted Signal.

# No new customers may place orders for Digital Data Service as of the date specified for the locations in the following table. Subject to Section 1.1 (C) preceding, the Telephone Company will continue to provide Digital Data Service (C) pursuant to this Section 7.2.8 to existing customers in these wire centers with in-service Digital Data Service as of the specified effective date, or orders for Digital Data Service placed with the Telephone Company within the permitted time period(s) specified following:

(D)

## Advanced data services include frame relay services and ATM-cell relay services.

(D)

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7.2 Service Descriptions (Cont'd)

7.2.8 Digital Data Service# (Cont'd)

(B) Technical Specifications Packages

<u>Parameter</u>	<u>Package DA-</u>					
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>
Error-Free Seconds	$\frac{1}{X}$	$\frac{2}{X}$	$\frac{3}{X}$	$\frac{4}{X}$	$\frac{5}{X}$	$\frac{6}{X}$

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

Voltages which are compatible with Digital Data Service are delineated in Technical Reference TR-NWT-000341, Issue 2.

Channel Interface requirements necessary for Secondary Channel Capability are contained in Technical Reference TR-NPL-000157, Issue 2.

(T)(x)

(x) TR-NPL-000157, Issue 2, replaces TR-NPL-000157, Issue 1, in its entirety.

# Service availability limited. Refer to # footnote on Page 7-58.

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7.2 Service Descriptions (Cont'd)

7.2.8 Digital Data Service# (Cont'd)

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

(3) Secondary Channel (Cont'd)

Secondary Channel is provided only at the 2.4, 4.8, 9.6 and 56 kbps DDS speeds and is available as a point-to-point or multipoint service except for multipoint service at 56 Kbps. Due to transmission equipment restrictions, SC cannot be provided on 56 Kbps circuits that require the installation of Loop Repeater equipment.

The Secondary Channel option is only available on new orders for service. The addition of SC to an existing Digital Data Service will be treated as a disconnect of the existing service and a new connect for the service with SC.

The Technical specifications for this feature are as described in Technical Reference TR-NPL-000157, Issue 2. The bit rates of the SC are as shown in the following table:

(T)(x)

<u>Digital Data Channel Transmission Speed</u>	<u>Secondary Channel Transmission Speed</u>
2.4 Kbps	133 bps
4.8 Kbps	266 bps
9.6 Kbps	533 bps
56.0 Kbps	2.666 Kbps

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

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

# Service availability limited. Refer to # footnote on Page 7-58.

(x) TR-NPL-000157, Issue 2, replaces TR-NPL-000157, Issue 1, in its entirety.

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7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service

(A) Basic Channel Description

A High Capacity channel is a channel for the digital transmission of 1.544 or 44.736 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High Capacity channels are provided between customer designated premises, between a customer designated premises and a Telephone Company Hub, between a customer designated premises and a wire center where connection to an advanced data service# occurs. High Capacity channels may also be connected to the following Telephone Company provided services, provided that such connections are technically and operationally feasible, as determined by the Telephone Company:

- in-service integrated optical service
- in-service point to point SONET service

(1) DS1 High Capacity/1.544 Mbps Service

DS1 service (a 1.544 Mbps facility) is provided with an electrical interface.

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(2) DS3 High Capacity/44.736 Mbps Services

DS3 service is available in standard channel termination configurations and is provided with an electrical interface.

# Advanced data services include frame relay services and ATM-cell relay services.

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7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

(A) Basic Channel Description (Cont'd)

(2) DS3 High Capacity/44.736 Mbps Services (Cont'd)

DS3 channels can be connected at the wire center serving that premises to individual terminating DS3 channels, individual DS3 channels for multiplexing at designated Hubs, or to other DS3 services for multi-DS3 premises-to-premises connections. DS3 Channel Mileage and the DS3 to DS1 multiplexing function are detariffed.

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7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

(B) Technical Specifications Packages

<u>Parameter</u>	<u>Package HC-</u>			
	<u>0</u>	<u>1</u>	<u>1C</u>	<u>3</u>
Error-Free Seconds				<u>X</u>

(C) Channel Interfaces

Compatible channel interfaces are set forth in 7.3.5(J) following. The following channel interfaces (CIs) define the bit rates that are available for a High Capacity channel:

<u>CI</u>	<u>Bit Rate</u>
DS-15	1.544 Mbps (DS1)
DS-44	44.736 Mbps (DS3)

(D) Optional Features and Functions

(1) Reserved.

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7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

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

(2) Reserved.

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(3) Central Office Multiplexing

Central Office Multiplexing is detariffed.

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7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

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

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(4) Clear Channel Capability (CCC)

- (a) 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 a 1.544 Mbps High Capacity channel subtending from a multiplexed 44.736 Mbps High Capacity channel with no constraint on the quantity or sequence of ones (mark) and zero (space) 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 References GR-54-CORE, Issue 1, and GR-342-CORE, Issue 1.

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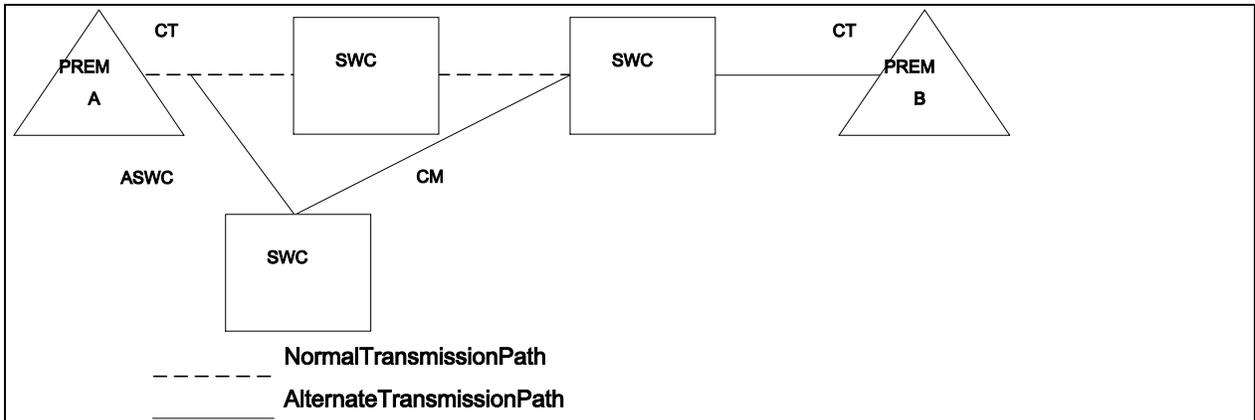
7.2.9 High Capacity Service (Cont'd)

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

(7) Alternate Serving Wire Center (Cont'd)

- (c) The monthly rate for Alternate Serving Wire Center associated with a Non-Competitive End User Channel Termination, as specified in 7.5.9(C)(5) following, applies per point of termination, including per IEF DS1 with Separated VT1.5s, and is in addition to the Channel Terminations, IEF Terminations and Interfaces, and Channel Mileage rates and charges for each High Capacity or IEF service provided over the alternate path. (C)  
(C)  
(D)

Example: Rate application for a High Capacity service connecting two Non-Competitive End User Channel Terminations via ASWC. (C)  
(C)



<u>Rate Elements</u>	<u>Applicable Charges</u>
2 Channel Terms (CT)	Monthly and nonrecurring
Channel Mileage (CM) (detariffed)	Monthly (C)
1 ASWC	Monthly

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7.2.9 High Capacity Service (Cont'd)

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

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

	Available with Technical Specifications Package HC-			
	<u>0</u>	<u>1</u>	<u>1C</u>	<u>3</u>
Clear Channel Capability		X		X
Extended Super Frame Format				X

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7.2.12 IntelliMux® Service

IntelliMux® Service is detariffed.

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7.2.14 IntelliLight Services

(A) General

The Telephone Company's IntelliLight Services are a family of optional Special Access High Capacity services provided using SONET-based technology. IntelliLight Services include the following Special Access services:

- IntelliLight Entrance Facilities (IEF), as set forth in Section 7.2.15 following

IntelliLight services are designed to meet customer requirements for reliable and survivable networks.

IntelliLight services are provided on SONET facilities except where a service is extended on an "off-net" facility. IntelliLight services are only guaranteed for the following interface to interface combinations:

STS1 w/ DS1 mapping - DS1	STS1 - STS1
STS1 w/ DS3 mapping - DS3	OC3 - STS1

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7.2.14 IntelliLight<sup>SM</sup> Services (Cont'd)

(C) Service Descriptions (Cont'd)

(2) Reserved.

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7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(3) Reserved for Future Use

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7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.15 IntelliLight Entrance Facilities (IEF)# (Cont'd)

## (A) Definitions (Cont'd)

Synchronous Transport Signal Level, (STS1): a 51.84 Mbps signal that is the electrical equivalent of the OC1 or a DS3 with additional Mbps devoted to SONET overhead information. An STS1 can carry a DS3 or 28 DS1s when specifically formatted (Mapped). However, DS1s within a DS3 are not accessible within SONET and their performance cannot be guaranteed for this reason. These DS1s may be accessed off-ring using the DS3 to DS1 multiplexing, a detariffed High Capacity optional service. Multiple STS1s, i.e. STS3 and STS12, equal 155.52 and 662.08 Mbps respectively. (C)

Virtual Tributary, (VT): A SONET structure designed for transport of Sub-STS1 payloads. A DS1 is mapped into the SONET format using a VT1.5 as a packaging mechanism that is internal to the SONET signal. An IEF service with VT1.5 mapping may be comprised of Grouped VT1.5s or Separated VT1.5s.

Grouped VT1.5: each VT1.5 in the IEF service is connected to the network at the same wire center (i.e., have the same path on the network) and have identical features, e.g. all VT1.5s have the service option IntelliLight Shared Dual Path.

Separated VT1.5: a VT1.5 in an IEF service that has a path or feature different from the other VT1.5s in the IEF service.

## (B) Service Description

IEF is provisioned over a Telephone Company self-healing SONET ring that passes through the Telephone Company wire centers and the customer's location. One of the wire centers must be the customer's SWC; the other wire center(s) is chosen by the Telephone Company.

IEF service consists of IntelliLight Entrance Facilities and an Interface when applicable. Technical Specifications for IEF service are the same as for IntelliLight Service; see Section 7.2.14(A).

The IEF Termination is a rate category that provides STS1 bandwidth or at least an STS1 aggregate of bandwidth between the customer's designated premises and the SWC of that premises. It can also be provided in multiples of STS1, i.e. STS3 or STS12.

# Service availability limited. Refer to # footnote on Page 7-129.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

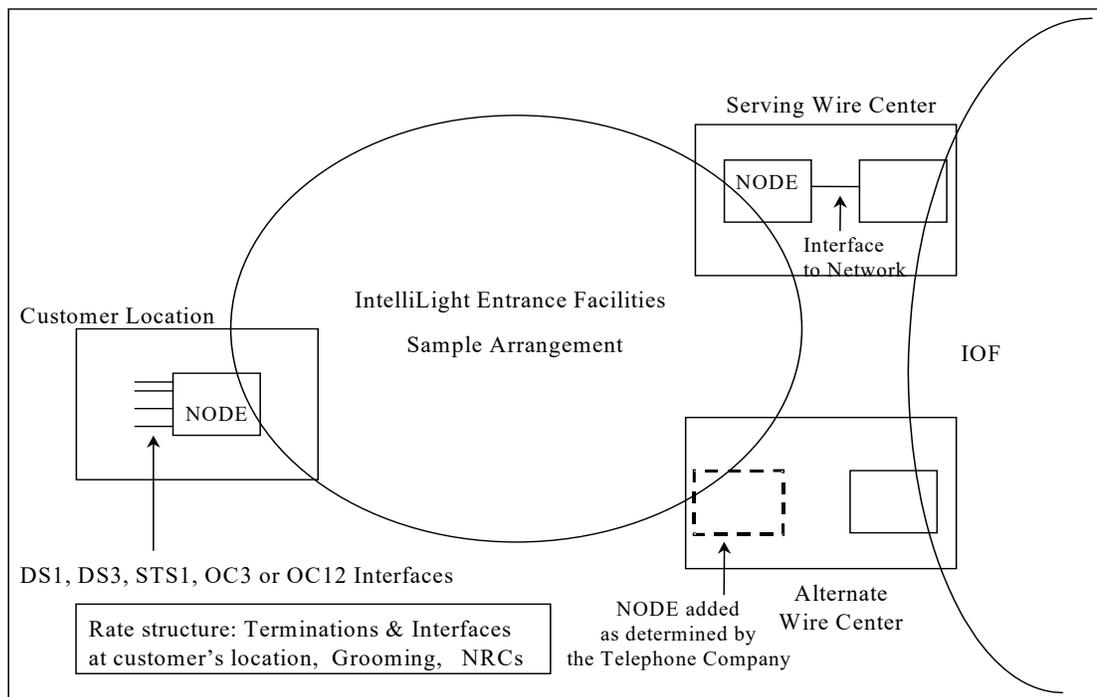
7.2 Service Descriptions (Cont'd)

7.2.15 IntelliLight Entrance Facilities (IEF)# (Cont'd)

(B) Service Description (Cont'd)

Interoffice mileage, when applicable and which is detariffed, will apply at channel mileage rates for the appropriate High Capacity or broadband service being transported over the IOF. (C)  
 (D)

An IEF service is shown below:



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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.15 IntelliLight Entrance Facilities (IEF)# (Cont'd)(C) Optional Features and Functions

Survivability from the IEF SWC to other network service locations can be obtained through the purchase of Alternate Serving Wire Center, ASWC; see High Capacity Service Optional Features and Functions, Section 7.2.9(D)(7). (D)

An optional feature known as grooming may be purchased. Grooming allows multiple DS1 circuits to be "groomed" (aggregated) at a wire center in order to be connected to a common IEF Termination. This option requires that the IEF Termination contain VT 1.5 (DS1) mapping.

DS1s multiplexed into DS3 occurs outside the SONET network, and requires detariffed DS3 to DS1 multiplexing at the wire center. (C)  
(D)

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.15 IntelliLight Entrance Facilities (IEF)# (Cont'd)(D) Terms and Conditions

IEF is available for 3 and 5-year commitment periods.

Once the term period expires, the rate of the expiring selected rate plan will continue until the customer cancels service or requests a new rate plan.

The customer may add additional IEF Interfaces and Terminations to an existing IEF service plan. However, in order to add additional Interfaces and Terminations to an existing IEF Service plan, there must be at least 1 year remaining in the term of the commitment plan. IEF plans with less than 1 year remaining in the commitment period will not be eligible for additional Interfaces or Terminations. Where additional Interfaces or Terminations are added subject to the criteria specified preceding, they must remain in service to the end of the commitment period of the IEF service plan to which they are added or termination liability will apply.

Customers who order an STS1 Interface must specify how the signal is mapped, VT1.5 or DS3-mapped (see definitions for Virtual Tributary and SONET).

The Customer, when purchasing the OC48 Interface service, is solely responsible for the installation and maintenance of its SONET transmission equipment. The customer's equipment must conform to the technical standards as previously cited

Asynchronous multiplexing of DS1s into a DS3 occurs outside the SONET network and requires detariffed DS3 to DS1 Multiplexing at a Telephone Company Hub. (C)  
(D)

Synchronous mapping of DS1s as VT1.5s occurs inside the SONET network and requires STS1 to DS1 multiplexing at the tariffed rates.

Service is available based on negotiated intervals, as described in 5.2.1(B) preceding.

If the customer premises (i.e., interexchange carrier Point of Presence, or end user location) is located in the same building as one of the connecting wire centers, the diversity between the wire center and the customer premises may be limited by the physical paths available to connect the wire center and the premises.

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.15 IntelliLight Entrance Facilities (IEF)# (Cont'd)(D) Terms and Conditions (Cont'd)

The customer will be billed additional charges for any charges levied the Telephone Company for space and power requirements at the customer premises to place ADMs on the Company's side of the network Interface.

IEF service may be used in conjunction with IBT or multiplexed IBT services, advanced data services or the Special Access High Capacity service option of Alternate Serving Wire Center, ASWC. IEF DSIs with these features are rated depending on whether the DSIs are "Grouped" or "Separated". (D)

IEF service may be included in, and concurrently subscribed to, under a Commitment Discount Plan as specified in Section 25.1 following and/or under a National Discount Plan as set forth in Section 25.3 following.

If a customer establishes a Commitment Discount Plan (CDP) for at least one (1) service type listed in Section 25.1.1 following and subscribes to other services listed in Section 25.1.1 following at any time that a CDP is in effect, the customer may not establish or maintain a term plan for any services that are eligible for inclusion in CDP with the limited exception of IEF services as set forth in Section 25.1 following.

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.15 IntelliLight Entrance Facilities (IEF)# (Cont'd)

## (F) Conversions

Customers who wish to convert existing High Capacity Special Access services to IEF may do so without termination liability as long as the total capacity of Special Access service at their premises does not decrease. A new contract period is begun with the conversion; no credit is given for time-in-service on the new term plan. Applicable nonrecurring charges for new installations, rearrangements, or moves will apply.

If customers want to convert an IEF service to a Verizon Dedicated SONET Ring (DSR), there will be no termination liability as long as the total capacity of Special Access services at the premises does not decrease. Credit for time-in-service will not be given for a conversion from IEF to DSR. Applicable nonrecurring charges for DSR service (detariffed) will apply. (C)

## (G) Deployment

Service is provided where SONET facilities and bandwidth are available that can provide the requested interface. (D)

## (H) Rate Regulations

- (1) Monthly rates, as set forth in Section 7.5.21 following, apply to IEF Terminations. The monthly rates are differentiated by the term plan and IEF Interface selected by the customer. Nonrecurring charges, as set forth in Section 7.5.21(C) following, apply to initial and subsequent installations of IEF Terminations.
- (2) Additionally, the monthly rates for IEF Terminations apply on a tapered schedule as set forth in Section 7.5.21(A) following. The monthly rate to be billed for each IEF Termination is based on the total number of IEF Terminations that are in-service on the bill date of each month, and applies on a per customer designated premises and per Billing Account Number (BAN) basis. To determine the total number of IEF Terminations for the bill period, the Telephone Company will count (i) all IEF Terminations; and (ii) all Telephone Company provided SONET entrance facilities that are provided in connection with a Telephone Company provided point-to-point SONET service or ethernet private line service that terminate at such customer designated premises, inclusive of all such IEF Terminations and SONET entrance facilities that are in service and billed under the same BAN.

# Service availability limited. Refer to # footnote on Page 7-129.

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7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes

This section explains the Channel Interface codes and Network Channel codes that the customer must specify when ordering Special Access Service. Included is an example which explains the specific characters of the code, a glossary of Channel Interface codes, impedance levels, Network Channel codes and compatible Channel Interfaces.

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

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

7.3.1 Glossary of Channel Interface Codes and Options

<u>Code</u>	<u>Option</u>	<u>Definition</u>	
AC -		accepts 20 Hz ringing signal at customer's end user's point of termination	(D)
AH -		analog high capacity interface	(D)
	B	60 kHz to 108 kHz (12 channels)	
	C	312 kHz to 552 kHz (60 channels)	
	D	564 kHz to 3084 kHz (600 channels)	
CT -		Centrex Tie Trunk Termination	
CX -		Digital Termination on a Switch	
DA -		data stream in VF frequency band at customer's end user's point of termination	(D)
			(D)
DC -		direct current or voltage	
	1	monitoring interface with series RC combination (McCulloch format)	(T)
	2	Telephone Company energized alarm channel	
	3	Metallic facilities (DC continuity) for direct current/low frequency control signals or slow speed data (30 baud)	

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7. Special Access Service (Cont'd)

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

7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>	(D)
DY -		duplex signaling interface at customer's end user's point of termination	(D)
EA -	E	Type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead.	
EA -	M	Type I E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead.	
EB -	E	Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on E Lead.	
EB -	M	Type II E&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead.	
EC -		Type III E&M signaling at customer POT	
EX -	A	tandem channel unit signaling for loop start or ground start and customer supplies open end (dial tone, etc.) functions.	
EX -	B	tandem channel unit signaling for loop start or ground start and customer supplies closed end (dial pulsing, etc.) functions.	(D)
			(D)
GO -		ground start loop signaling - open end function by customer or customer's end user	
GS -		ground start loop signaling - closed end function by customer or customer's end user	
	C	Centrex foreign exchange termination	
	M	for terminating in central office located answering service concentrator	

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7. Special Access Service (Cont'd)

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

7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>	
IA -		E.I.A. (25 pin RS-232)	
LA -		end user loop start loop signaling - Type A OPS registered port open end	
LB -		end user loop start loop signaling - Type B OPS registered port open end	
LC -		end user loop start loop signaling - Type C OPS registered port open end	(D)
			(D)
LO -		loop start loop signaling - open end function by customer or customer's end user	(D)
			(D)
LS -		loop start loop signaling - closed end function by customer or customer's end user	
NO -		no signaling interface, transmission only	
OP -		Optical Parameter	
-	F	Facility	(D)
			(D)

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7. Special Access Service (Cont'd)

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

7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

<u>Code</u>	<u>Option</u>	<u>Definition</u>	
PR -		protective relaying*	
RV -	O	reverse battery signaling, one way operation, originate by customer	
	T	reverse battery signaling, one way operation, terminate function by customer or customer's end user	
SF -		single frequency signaling with VF band at customer's end user POT	(D)
SO -		SONET/SONET Digital Hierarchy Optical Interface	
SN -		SONET Network	
	F	Facility	
TF -		telephotograph interface	(D)

(D)  
 |  
 (D)

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

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7. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces (Cont'd)

(I) Digital Data

<u>Compatible CIs</u>		<u>Compatible CIs</u>		<u>Compatible CIs</u>		
		4DS9-15	6DU5-48	4DU5-96	4DU5-96	(D)
4DS9-15	4DU5-24	4DS9-15	6DU5-56	6DU5-24	6DU5-24	
4DS9-15	4DU5-48	4DS9-15	6DU5-96	6DU5-48	6DU5-48	
4DS9-15	4DU5-56	4DU5-24	4DU5-24	6DU5-56	6DU5-56	
4DS9-15	4DU5-96	4DU5-48	4DU5-48	6DU5-96	6DU5-96	
4DS9-15	6DU5-24	4DU5-56	4DU5-56			
4DS9-15	4DU5-24S	4DS9-15	6DU5-48S	4DU5-96S	4DU5-96S	
4DS9-15	4DU5-48S	4DS9-15	6DU5-56S	6DU5-24S	6DU5-24S	
4DS9-15	4DU5-56S	4DS9-15	6DU5-96S	6DU5-48S	6DU5-48S	
4DS9-15	4DU5-96S	4DU5-24S	4DU5-24S	6DU5-56S	6DU5-56S	
4DS9-15	6DU5-24S	4DU5-48S	4DU5-48S	6DU5-96S	6DU5-96S	
		4DU5-56S	4DU5-56S			
4DS9-15	4DU5-19					
4DS9-15	4DU5-64					
4DU5-19	4DU5-19					
4DU5-64	4DU5-64					

(D)  
 (D)

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7. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces (Cont'd)

(J) High Capacity

Compatible CIs

Compatible CIs

		4DS9-15	6DU8-B
		4DS9-15	4DU8-B
		4DS9-15J	6DU8-A
		4DS9-15J	4DU8-A
		4DS9-15K	6DU8-B
		4DS9-15K	4DU8-B
		4DS9-15K	4DU8-C
		4DS9-15K	4DU8-C
4DS6-44	4DS6-44		
4DS6-44	6DU8-A,B or C		
4DS6-44	4DU8-A,B or C		
4DS9-15J	4DS9-15J		
4DS9-15K	4DS9-15K	4DU8-A,B or C	4DU8-A,B or C
4DS6-44C	4DS9-15	4DS6-44	4DS9-15
4DS6-44C	4DS9-15J	4DS6-44	4DS9-15J
4DS6-44C	4DS9-15K	4DS6-44	4DS9-15K
4DS6-44C	4DU8-A,B or C	4DS6-44C	4DS6-44C
4DS6-44C	4DS6-44	4DS6-44	4DU9-D
4DS6-44C	6DU8-A,B or C	4DS6-44	4DU9-S
4DS6-44	2FCF-45	4DS6-44	4DU9-C
4DS6-44C	2FCF-13	4DS6-44	4DU9-B
4DS6-44G	2FCF-54	4DS6-44	4DS9-15B
2FCF-54	2FCF-54	4DS6-44	4DS9-15S
4DS6-44G	4DS6-44G	4DS9-15S	4DS9-15S
01FCF.X	01FCF.X	4DU9-D	4DU9-D
		4DU9-S	4DU9-S
4DS9-15B	4DS9-15B	4DS9-15B	4DU9-D
4DS9-15K	4DS9-15K	4DS9-15S	4DU9-S
4DS6.44A	4DS6.44A	4DS6.44I	4DS6.44I

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

Subject to Section 1.1 preceding, this section contains the specific regulations governing the rates and charges that apply for Special Access Service. (C)

7.4.1 Types of Rates and Charges

There are two types of rates and charges. These are monthly rates and nonrecurring charges. Price Cap rates may be differentiated by "Rate Zones". (T)  
(D)  
(D)

Rate Zones are defined in Section 2.6 and are listed in Section 14.6.

Competitive Counties and Non-Competitive Counties are defined in Section 2.6 and the wire centers within such counties are listed in Section 14.8. In wire centers within a Competitive County, monthly rates and nonrecurring charges for Special Access rate elements are arranged in price bands. The price band for each serving wire center within a Competitive County is specified in Section 14.8 following.

For IEF Service, Price Band rates and charges apply regardless of whether the county is Competitive or Non-Competitive. (C)  
(D)

(D)

(D)

The three types of rates and charges are described as follows:

(A) Monthly Rates

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

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7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(A) Monthly Rates (Cont'd)

(1) Channel Termination Monthly Rates

The channel termination rate structure for DS3 High Capacity Services differs based upon whether or not the channel termination is at a Primary or Secondary Premises. A Primary Premises, which is detariffed, is a customer designated premises where a DS3 High Capacity Service circuit/channel is either originated or terminated. Only one end of the channel can be a Primary Premises. A Secondary Premises is any customer-designated premises other than the Primary Premises. (C)  
(C)

If one end of a DS3 High Capacity Service channel is either connected to or derived from a higher speed facility (e.g., DSR), the customer location with the DS3 High Capacity channel termination is classified as a Secondary Premises. An alternately routed channel termination will have the same classification (primary or secondary) as the associated DS3 High Capacity Service channel termination. (C)  
(C)

(D)  
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7.4 Rate Regulations (Cont'd)

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7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(A) Monthly Rates (Cont'd)

(1) Channel Termination Monthly Rates (Cont'd)

(D)

(D)

A secondary premises channel termination monthly rate applies to channel terminations at secondary premises locations.

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7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(B) Reserved

(C)

(D)

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7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for 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 changes. (D)

The nonrecurring charge rate structure applicable to the installation of access service may consist of "first" and "additional" charges, except for DS3 Service Entrance Facilities and Channel Termination, where only one rate applies. For each rate element ordered, the "first" charges apply to the first rate element (e.g., port or channel termination) specified on the service order. The "additional" charges will apply to each additional same-type rate element specified on the same service order, with the same date due, and at or between the same end points. (D)

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7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(1) Installation of Service

(D)

(D)

The nonrecurring charges apply to each rate element of the service installed. The nonrecurring charges for the installation of service are set forth in 7.5, 8, and 19.7 following as nonrecurring charges for Channel Termination, Termination, Transport Channel, Port Node Entrance Ring, Collocated Interconnection Cross-Connect Service or SPOT Bay Frame and Terminations rate elements, etc. (See Note below.)

When a newly installed service is added to a Commitment Discount Plan (as specified in Section 25.1 following), or the National Discount Plan (as specified in Section 25.3 following), the Channel Termination nonrecurring charge which applies to such installed service is \$1.00.

(T)

(T)

Note: See Section 19 following for further information.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(2) Installation of Optional Features and Functions

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

Some optional features under this tariff for which separate nonrecurring charges apply are: (T)

- Voice Grade Data Capability (D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(3) Service Changes

Service changes are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in 5.2.5 preceding (e.g., change from one type of Special Access Service to another or a change from one type of channel termination to another) or a change in the physical location of the point of termination at a customer designated premises. Changes in the type of service (i.e. type of service termination), Collocated Interconnection Cross-Connect Service or SPOT Bay Frame and Terminations, are treated as disconnects and starts. Changes in the physical location of the point of the termination at the customer premises are treated as moves and are described and charged for as set forth in 7.4.5 following. Certain changes in the physical location of the point of termination in a wire center are treated as detariffed rearrangements.

(D)

(C)

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

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(4) Reserved.

(C)

(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(D)

(D)

(5) Reserved.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.4 Minimum Periods

- (A) The minimum service period for all services except Digital Data Service, and DS1 and DS3 High Capacity is one month. (D)  
(D)  
(D)  
(D)  
(D)  
(D)  
(D)  
(D)  
(D)
- (1) The minimum service period for Digital Data Service and DS1 High Capacity services is two months. (T)
- (2) The minimum service period for a DS3 High Capacity service that is provided under a month-to-month payment plan is one year. (D)  
(D)
- (B) The minimum service period for IntelliLight Entrance Facility services is set forth in 7.2.15(E). (T)  
(T)  
(D)  
(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.6 Reserved for Future Use

(C)

(D)

(D)

(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.7 Facility Hubs

(D)

A customer has the option of ordering Voice Grade facilities or analog or digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, DS1 or DS3) to a facility Hub for distributing or channelizing to individual services requiring lower capacity facilities (e.g., Voice, etc).

(D)

When analog or digital high capacity facilities are provided between a customer premises and a facility Hub, the facility will not be considered an end-to-end service until an associated channelized service is installed. The facility Hub will not be considered as a customer premises.

(D)

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(D)

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

(D)

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(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.7 Facility Hubs (Cont'd)

(D)

The Telephone Company will commence billing the monthly rate for the facility to the Hub on the date specified by the customer on the service order. Additional individual services utilizing these facilities may be installed coincident with the installation of the facility to the Hub, or may be ordered and/or installed at a later date, at the option of the customer. The customer who orders the High Capacity Service must order all associated individual Access Channelized Services. The customer will be billed for a Voice Grade or a high capacity analog or digital Non-Competitive End User Channel Termination, detariffed Channel Mileage (when applicable), and the detariffed multiplexer at the time the facility is installed. Additional individual service rates (by service type) will apply for a Non-Competitive End User Channel Termination and for additional detariffed Channel Mileage (as required) for each subsequent channelized service. These will be billed to the customer as each individual service is installed.

(C)

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(C)

(C)

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(C)

Cascading multiplexing occurs when a high capacity analog or digital channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed. For example, a Supergroup facility is de-multiplexed to five Group facilities and then one of the Group facilities is further de-multiplexed to individual Voice Grade channels.

(D)

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(D)

(D)

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(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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(D)

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.8 Shared Use Digital High Capacity Services (Cont'd)

Switched Access Service rates and charges as set forth in 6.8 preceding will apply for each channel of the shared use facility that is used to provide Switched Access Service. Where Special Access Service is provided utilizing a channel of the shared facility to the Hub or 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 Non-Competitive End User Channel Termination rate and detariffed Channel Mileage, if applicable. Rates and charges for optional features and functions associated with a Non-Competitive End User Channel Termination, if any, will apply as set forth in 7.5 following. The customer must place an order for each individual Switched or Special Access Service utilizing the Shared Use Facilities and specify the channel assignment for each such service.

(C)  
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(C)

Should the customer displace (reduce) the entire capacity of the Special Access High Capacity Service with Switched Access Service, the Special Access Service will, for billing purposes, be considered disconnected. Any future capacity due to a customer's disconnect of Switched Access Service will be considered Telephone Company inventory. Should the customer subsequently order Special Access Service, this will be treated as a new order and full rates and charges for the Special Access Service type ordered, as set forth in 7.5 following will apply.

7.4.9 Reserved

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.10 Special Access Rate Exceptions

(D)  
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(D)

Services provided by the Telephone Company to connect a customer location to an Internet Protocol Routing Service Concentrator will be rated as channel termination and, when the customer is normally served by a different serving office, channel mileage applies from the normal serving office to the concentrator or the switch serving office. No channel termination applies at the switch serving office.

(D)

Services provided by the Telephone Company to connect a customer location to an Interexchange Access Frame Relay Switch (XA-FRS) will be rated as a channel termination. A channel termination at the XA-FRS switch serving office and channel mileage from the customer serving wire center to the XA-FRS switch are not applicable under the provisions of this service.

(D)

(D)

(D)

Certain terms and conditions and rates associated with the provision of Telephone Company services may be waived or excepted. These individual instances of terms and/or conditions exemptions are contained in Section 7.4, following.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.13 DS3 High Capacity Services#

(A) Payment Plans# and Minimum Periods

Recurring charges for DS3 Services are rated and charged monthly for all commitment plans; Month-to-Month, 3 and 5-year# Term Pricing Plans (TPPs). TPPs are provided with Base Rates as described in Section (B) following and as set forth in 7.5.9 following. Although a TPP may include a circuit that is provided only in part under this tariff, the Telephone Company manages a TPP for an individual circuit as a single plan and applies tariffed and detariffed rates, terms and conditions as applicable.

(N)  
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 (N)

The minimum service period for DS3 is 12 months.

(D)  
 |  
 (D)

At the end of a term plan, the customer will not be eligible to receive discounted monthly charges unless a new TPP is ordered. Customers with TPPs that have expired prior to December 2, 1999, will be able to retain their service at the prevailing rates for as long as the customer retains the service.

Should a customer terminate service prior to completing the minimum period or the plan term period, termination liability may be applicable. Termination liability for the portion of the circuit provided under this tariff is assessed on Non-Competitive End User Channel Termination rate elements. A customer who downgrades a term plan to shorter duration or disconnects the service will be treated as having terminated the service.

(C)  
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 (C)  
 (D)

In addition to TPP, a customer may select a Commitment Discount Plan (CDP), subject to the terms and conditions set forth in Section 25.1 following.

# Effective May 30, 2019, orders for new 5-Year DS3 TPPs are no longer permitted. Subject to Section 1.1. preceding, the Telephone Company will continue to provide 5-Year DS3 TPPs pursuant to this Section 7.4.13 on any existing 5-Year DS3 TPP that was in-service as of May 30, 2019, or any order for 5-Year DS3 TPP that was placed with the Telephone Company prior to May 30, 2019 (collectively, Existing 5-Year DS3 TPPs), subject to the following conditions:

- The Telephone Company will continue to provide Existing 5-Year DS3 TPPs for the selected commitment period until (i) the customer discontinues service; or (ii) the current commitment period expires, whichever comes first.
- Renewal of an Existing 5-Year DS3 TPP is not permitted.
- Moves and changes are permitted provided that they do not require a new commitment period.

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.13 DS3 High Capacity Services#(B) Base Rates

The rates charges under 3-Year and 5-year TPPs are based upon Base Rates as specified in Section 7.5.9 following. Such rates may change during the commitment period, but in no case will the Base Rate exceed the non-discounted monthly rate for the service. In order to calculate the rates the customer will pay, the following discount percentages are applied to the Base Rates Monthly Rate Per CT for 3-Year and 5-Year TPPs for DS3 High Capacity Channel Terminations and Optional Features and Functions. Discount percentages are not applied to nonrecurring rates. (D)

3-Year	10%
5-Year#	35%

# Service availability limited. Refer to # footnote on Page 7-197.

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7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.13 DS3 High Capacity Services# (Cont'd)

(C) Discontinuance Without Liability (Cont'd)

For TPPs established prior to December 17, 2019, in the event that the Telephone Company initiates a rate increase and the discounted monthly rate for the affected service increases, in aggregate, by eight percent (8%) or more, the customer may cancel its TPP for the affected service without termination liability. The customer must exercise its option to cancel the TPP for the affected service within thirty (30) days of the date of the effective rate increase. (C)  
(T)  
(T)

A customer may cancel a term plan on its DS3 High Capacity Services without penalty in order to include such DS3 High Capacity Services in a Commitment Discount Plan (as set forth in Section 25.1 following). (D)

# Service availability limited. Refer to # footnote on Page 7-197.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.14 Shared Network Arrangement

(D)

(D)

(C)

A Shared Network Arrangement constitutes an agreement between one Host Subscriber and one Service User permitting the Service User to connect a specified number of subtending circuits to one specified multiplexer on the Host's service. Agreements between one Host Subscriber and two (or three, etc.) Service Users shall be deemed to comprise two (or three, etc. respectively) separate "Arrangements." However, an agreement to expand the scope of an existing Arrangement by subsequently increasing the number of subtending circuits on the same multiplexed shall not constitute a new or separate "Arrangement."

A Shared Network Arrangement shall be established between a Host Subscriber and a Service User upon the completion of the service order for the first circuit(s) in the arrangement. No Shared Network Arrangement shall be deemed to be in effect until at least one subtending circuit has been installed for the Service User. A Shared Network Arrangement shall be deemed cancelled when the last subtending circuit has been disconnected.

A Processing Charge does not apply for Service User Integrated Optical Service Rider order(s) processed for a Shared Billing Arrangement. A Processing charge will apply for handling all other service orders in a Shared Network Arrangement. The Processing Charge is contained in Section 7.5.9(D), and applies in addition to all other applicable rates and charges.

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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ACCESS SERVICE

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

(D)

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

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.17 Digital Data and DS1 High Capacity Services#, ## (Cont'd)

(B) Term Pricing Plans (TPP) Description (Cont'd)

Although a TPP may include a circuit that is provided only in part under this tariff, the Telephone Company manages a TPP for an individual circuit as a single plan and applies tariffed and detariffed rates, terms and conditions as applicable.

(N)  
 |  
 (N)

- (1) TPPs for Digital Data Services are available in 2, 3, and 5-year commitment periods. DS1 High Capacity Services are available in 2, 3, 5##, and 7-year## commitment periods.

# Effective November 16, 2018, orders for new Digital Data Service TPPs are no longer permitted. Subject to Section 1.1 preceding, the Telephone Company will continue to provide Digital Data Service TPPs pursuant to this Section 7.4.17(B) on any existing Digital Data Service TPP that was in-service as of November 16, 2018, or any order for Digital Data Service TPP that was placed with the Telephone Company prior to November 16, 2018 (collectively, Existing DDS TPPs), subject to the following conditions:

(C)  
 (T)  
 (T)

- The Telephone Company will continue to provide Existing DDS TPPs for the selected commitment period until (i) the customer discontinues service; (ii) the customer converts to a DDS provided on a month to month basis under Section 7.4.17(A); or (iii) the current commitment period expires, whichever comes first. Upon expiration of the commitment period, if the customer has taken no action, the Telephone Company will convert the customer to basic DDS service offered under Section 7.4.17(A).
- Renewal of an Existing DDS TPP is not permitted.
- Moves and changes are permitted provided that they do not require a new commitment period.

## Effective May 30, 2019, orders for new 5- or 7-Year DS1 High Capacity TPPs are no longer permitted. Subject to Section 1.1 preceding, the Telephone Company will continue to provide 5- and 7-Year DS1 High Capacity TPPs pursuant to this Section 7.4.17(B) on any existing 5- and 7-Year DS1 High Capacity TPP that was in-service as of May 30, 2019, or any order for 5- or 7-Year DS1 High Capacity TPP that was placed with the Telephone Company prior to May 30, 2019 (collectively, Existing 5- and 7-Year DS1 TPPs), subject to the following conditions:

(C)  
 (T)  
 (T)

- The Telephone Company will continue to provide Existing 5- and 7-Year DS1 TPPs for the selected commitment period until (i) the customer discontinues service; or (ii) the current commitment period expires, whichever comes first.
- Renewal of an Existing 5- or 7-Year DS1 TPP is not permitted.
- Moves and changes are permitted provided that they do not require a new commitment period.

Certain information previously found on this page can now be found on Original Page 7-209.1.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.17 Digital Data and DS1 High Capacity Services# (Cont'd)

(B) Term Pricing Plans (TPP) Description (Cont'd)

(2) Customers have the option of purchasing:

- Digital Data Service plans are applicable to channel terminations and channel mileage. Channel Terminations other than End User Channel Terminations in Non-Competitive Counties and channel mileage are detariffed. The channel terminations and channel mileage (both fixed and per mile) rate elements for a given circuit must be included in the same individual Term Pricing Plan.

(T) (x)  
 (M)  
 |  
 (C)  
 |  
 (C)  
 (M)  
 |  
 (M)  
 (D)  
 |  
 (D) (x)

(x) Certain information on this page formerly appeared on 3<sup>rd</sup> Revised Page 7-209.

# Service availability limited. Refer to # and ## footnotes on Page 7-209.

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7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.17 Digital Data and DS1 High Capacity Services# (Cont'd)

(B) Term Pricing Plans (TPP) Description (Cont'd)

(2) (Cont'd)

- Multiple Digital Data Services must be of the same speed in order to be in the same individual Term Pricing Plan.
- DS1 High Capacity Service plans are applicable to channel terminations, associated DS1 Multiplexers (DS1 to Voice, DS1 to Digital, and DS1 to DS0), and channel mileage, fixed and per mile. Channel Terminations other than Non-Competitive End User Channel Terminations, associated DS1 multiplexers and channel mileage are detariffed. The channel termination, associated multiplexer, and channel mileage (both fixed and per mile) rate elements for a given circuit must be included in the same TPP.

- (3) Term Pricing Plans rates for Non-Competitive End User Channel Terminations are detailed in Section 7.5.16. Term Pricing Plans do not include optional features except for associated DS1 multiplexing in the DS1 TPPs. Other optional features are available at Basic Service rates.

Term Pricing Plans are not applicable to services in other rate plans.

# Service availability limited. Refer to # and ## footnotes on Page 7-209.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.17 Digital Data and DS1 High Capacity Services# (Cont'd)

(C) TPP Terms and Conditions

- (1) When requesting a Term Pricing Plan, the customer must specify the length of the desired commitment period and the services which are to be included in the plan.
- (2) When requesting any Term Pricing Plan activity regarding channel terminations, the customer must specify by billing account and circuit identification number which circuits are to be affected.
- (3) Reserved. (C)
- (4) At the end of a TPP commitment period, the service(s) will be billed at the basic rate unless the DS1 customer subscribes to a new TPP.
- (5) Termination liability for the portion of the service under this tariff is assessed on Non-Competitive End User Channel Terminations. (C)  
(C)

Certain material previously found on this page can now be found on 3<sup>rd</sup> Revised Page 7-216.

# Service availability limited. Refer to # and ## footnotes on Page 7-209.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.17 Digital Data and DS1 High Capacity Services# (Cont'd)

(D) TPP Termination Liability

- (1) A termination liability payment is applicable when a service is disconnected in full or in part prior to the end of the selected commitment period or where the customer fails to comply with the conditions required for a TPP, except as set forth in (E) following.
- (2) If the customer requests all channels of a DS1 service to be used for Switched Access, the request will be treated as a disconnect and termination liability will be assessed.
- (3) The termination liability payment for the portion of the service offered under this tariff applies to each channel termination recurring rate element which is disconnected prior to the expiration of the commitment period of the Term Pricing Plan. (C)  
(C)  
(D)

# Service availability limited. Refer to # and ## footnotes on Page 7-209.

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7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.17 Digital Data and DS1 High Capacity Services# (Cont'd)

(D) TPP Termination Liability (Cont'd)

(4) (Cont'd)

(b) Option II (Cont'd)

- Where there is a TPP period less than the actual time the services have been in effect, the termination liability charge will be the difference between the monthly rates for the highest TPP period that could have been satisfied prior to discontinuation of the service and the monthly rates for the selected commitment period multiplied by the actual number of months the plan has been in effect.

For example, if a customer subscribes to a 5-year TPP and disconnects service during the thirty-seventh month, the highest TPP period that could have been satisfied is three years. The customer's termination liability would be calculated as follows: (3-year monthly TPP rate - 5-year monthly TPP X 37 months).

(5) Termination liability will be computed as follows:

At the end of the 12 months, 100% of the total monthly charges will be applied to the difference between the commitment level and the 12 month average of the actual channel terminations.

(D)

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7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.17 Digital Data and DS1 High Capacity Services# (Cont'd)

(E) TPP Termination Without Liability

- (1) For TPPs established prior to December 17, 2019, in the event that the Telephone Company initiates a rate increase and the discounted monthly rate for the affected service increases, in aggregate, by eight percent (8%) or more, the customer may cancel its TPP for the affected service without termination liability. The customer must exercise its option to cancel the TPP for the affected service within thirty (30) days of the date of the effective rate increase.
- (2) For DS1 High Capacity Services, a request to change to a longer commitment period will nullify the current termination liability. All terms and conditions associated with the new TPP will apply.
- (3) Termination liability is not applicable if the customer requests to upgrade service to a higher capacity (e.g., DDS to DS1, DS1 to DS3) service and meets all of the following conditions:
  - The new service is purchased under a long-term agreement equal to or greater than the commitment period of the service being disconnected.
  - The orders for the disconnect of the existing TPP rate elements and the new connect are received by the Telephone Company at the same time, with due dates within 90 days of each other, and are related together by a Related Purchase Order Number (RPON).
  - The total bandwidth (in kbps) of the service is greater than or equal to the bandwidth of the discontinued service(s).

(C) (x)  
 (M) |  
 |  
 |  
 (M) (x)

(x) Certain material on this page formerly appeared on 2<sup>nd</sup> Revised Page 7-211.

# Service availability limited. Refer to # and ## footnotes on Page 7-209.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.18 Voice Grade Service Term Pricing Plans#

(A) Description

Term Pricing Plans, TPPs, are pricing options available to customers who subscribe to specific longer term commitment periods in exchange for reduced monthly rates. Although a TPP may include a circuit that is provided only in part under this tariff, the Telephone Company manages a TPP for an individual circuit as a single plan and applies tariffed and detariffed rates, terms and conditions as applicable.

(N)  
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 (N)

(D)  
 (D)  
 (T)

(1) The channel termination and the channel mileage (fixed and per-mile) rate elements are applicable for Voice Grade Service TPPs. Channel Terminations other than Non-Competitive End User Channel Terminations and channel mileage are detariffed.

(C)  
 |  
 (C)  
 (D)

(D)  
 (T)

(2) Voice Grade Term Pricing Plans do not include optional features. Optional features for Voice Grade Services in TPPs are available at basic service rates.

(3) Term Pricing Plans are not applicable to services in other rate plans.

(T)  
 (D)

(4) Term Pricing Plan rates for Non-Competitive End User Channel Terminations are detailed in Section 7.5.3. The nonrecurring rates for TPPs are the same as for Basic Service.

(C)  
 (C)

(D)  
 |  
 (D)

# Effective November 16, 2018, orders for new Voice Grade Service TPPs are no longer permitted. Subject to Section 1.1 preceding, the Telephone Company will continue to provide Voice Grade Service TPPs pursuant to this Section 7.4.18 on any existing Voice Grade Service TPP that was in-service as of November 16, 2018, or any order for Voice Grade Service TPP that was placed with the Telephone Company prior to November 16, 2018 (collectively, Existing VG TPPs), subject to the following conditions:

(C)  
 (T)  
 (T)

- The Telephone Company will continue to provide Existing VG TPPs for the selected commitment period until (i) the customer discontinues service; (ii) the customer converts to a Voice Grade Service provided on a month to month basis under Section 7.2.3; or (iii) the current commitment period expires, whichever comes first. Upon expiration of the commitment period, if the customer has taken no action, the Telephone Company will convert the customer to basic Voice Grade Service offered under Section 7.2.3.
- Renewal of an Existing VG TPP is not permitted.
- Moves and changes are permitted provided that they do not require a new commitment period.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.18 Voice Grade Service Term Pricing Plans# (Cont'd)

(B) Terms and Conditions

(T)

(1) When requesting any Term Pricing Plan activity regarding channel terminations, the customer must specify by billing account and circuit identification number which circuits are to be affected.

(T)

(D)

(D)

(2) Customers with existing TPPs who wish to increase the number of their Voice Grade services must subscribe the additional services to the basic service plan.

(T)

(D)

(3) At the end of a TPP commitment period, the service(s) will be billed at the basic rate.

(T)

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7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.18 Voice Grade Service Term Pricing Plans# (Cont'd)

(C) TPP Termination Liability

- (1) A termination liability payment is applicable when a service is disconnected in full or in part prior to the end of the selected commitment period or when the customer fails to comply with the conditions required for a TPP, except as set forth in (D) following.
- (2) For TPP services designated on a circuit-by-circuit basis, the termination liability payment for the portion of the service under this tariff applies to each recurring rate element for Non-Competitive End User Channel Termination(s) which is disconnected prior to the expiration of the commitment period of the Term Pricing Plan.
- (3) The termination liability charge is calculated as set forth in (a) or (b) following. The Telephone Company will apply the option which provides the customer with the lowest termination liability charge.

(C)  
|  
(C)

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.4 Rate Regulations (Cont'd)7.4.18 Voice Grade Service Term Pricing Plans# (Cont'd)(C) TPP Termination Liability (Cont'd)

## (3) (Cont'd)

(b) Option II (Cont'd)

For example, if a customer subscribes to a 5-year TPP and disconnects service during the thirty-seventh month, the highest TPP period that could have been satisfied is three years. The termination liability would be calculated as follows: 3-year monthly TPP rate - 5-year monthly TPP rate X 37 months.

(D) TPP Termination Without Liability

- (1) For TPPs established prior to December 17, 2019, termination liability will not apply when cancellation of a Term Plan occurs within thirty (30) days of the effective date of a Telephone Company initiated rate increase of eight percent (8%) or more on any rate applicable to the Term Plan. (C)
- (D)

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7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service#

(A) Channel Termination	<u>USOC</u>	<u>Monthly Rates</u>	
- per point of termination			
(1) Payment Plan##			
- Two-Wire			
Basic (month-to-month)			
Price Cap	T6E2X	\$25.17	(D)
			(D)
3-Year TPP			
Price Cap	TZ4SA	19.25	(D)
			(D)
5-Year TPP			
Price Cap	TZ4GA	17.69	(D)
			(D)
- Four-Wire			
Basic			
Price Cap	T6E4X	49.77	(D)
			(D)
3-Year TPP			
Price Cap	TZ4SB	39.38	(D)
			(D)
5-Year TPP			
Price Cap	TZ4GB	37.31	(D)
			(D)

# Service availability limited. Refer to # footnote on Page 7-19.

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7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service# (Cont'd)

(A) Channel Termination (Cont'd)

- per point of termination

(2) Nonrecurring Charges

	<u>USOC</u>	<u>First</u>	<u>Additional</u>
- Two-Wire Installation/Change Price Cap		\$266.72	\$195.50
- Four-Wire Installation/Change Price Cap		\$379.77	\$272.96

(D)

(D)

(D)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service# (Cont'd)

(C) Optional Features and Functions

	<u>USOCs</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
(1) <u>Bridging</u>				
(a) <u>Voice Bridging</u> - per port				
Two-Wire Price Cap	BCNV2	\$26.47	None	(D)   (D)
Four-Wire Price Cap	BCNV4	17.65	None	(D)   (D)
(b) <u>Data Bridging</u> - per port				
Two-Wire Price Cap	BCND2	12.20	None	(D)   (D)
Four-Wire Price Cap	BCND4	12.20	None	(D)   (D)

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7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service# (Cont'd)

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

(1) Bridging (Cont'd)

(d) DATAPHONE Select-A-Station Bridging (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
Addressable Arrangement				
- Common Equipment* Price Cap	KCN	\$250.52	None	(D)   (D)
- Ports				
- Per 2-wire channel connected Price Cap	KQ2	15.03	None	(D)   (D)
- Per 4-wire channel connected Price Cap	KQ4	40.08	None	(D)   (D)

\* Rate does not apply in the District of Columbia, Maryland, Virginia, or the State of New Jersey.

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7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service# (Cont'd)

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

(1) Bridging (Cont'd)

(e) Telemetry and Alarm Bridging

	<u>USOCs</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
Active Bridging				
Channel Connections				
Split Band				
- Per channel connected	CNLRX			
Price Cap		\$17.65	None	(D)
				(D)

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7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service# (Cont'd)

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
(2) Conditioning, - Per point of termination				
C - Type	X1CPT			
Price Cap		\$ 2.00	None	(D)   (D)
Improved Attenuation Distortion	UHW			
Price Cap		\$ 2.00	None	(D)   (D)
Improved Envelope Delay Distortion	UHY			
Price Cap		\$75.16	None	(D)   (D)
Sealing Current	1HBPT			
Price Cap		None	None	(D)   (D)

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7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service# (Cont'd)

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

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>
--	-------------	----------------------	-----------------------------

(3) Improved Return Loss for Effective Two-Wire Transmission or Improved Termination for Four-Wire Transmission

Improved Return Loss

- Per point of termination

- Two-Wire

1RL2W

Price Cap

\$ 7.01

None

(D)

|

(D)

Improved Termination

- Per point of termination

- Four-Wire

1RL4W

Price Cap

\$ 9.02

None

(D)

|

(D)

(4) Reserved

(5) Data Capability\*\*, per point of termination

XDCPT

Price Cap

\$ 2.00

\$250.52

(D)

|

(D)

(6) Reserved

\* Rate does not apply in the states of Delaware and Pennsylvania.

\*\* Monthly rate does not apply in the Verizon DC, MD, or VA Companies.

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7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service# (Cont'd)

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

	<u>USOCs</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
(7) Signaling Capability, per point of termination	XSS++			
Price Cap		\$ 4.65	None	(D)
				(D)

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

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

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7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

7.5.3.1 WATS Access Line Service#

(D)  
 |  
 (D)

(B) <u>Optional Features and Functions</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	(T)
(1) <u>Bridging</u>				
(a) WAC Bridging, Per port				
- Two-Wire Price Cap	BCNV2	\$37.50	None	(D)   (D)
- Four-Wire Price Cap	BCNV4	25.00	None	(D)   (D)
(2) <u>Improved Two-Wire Transmission Specifications*</u>				
- Per point of Termination Price Cap	X2T	11.25	None	(D)   (D)

\* Rate does not apply in the states of New Jersey and Pennsylvania. (D)  
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7.5 Rates and Charges (Cont'd)

7.5.5 Reserved for Future Use

(C)

(D)

(D)

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7.5 Rates and Charges (Cont'd)

7.5.8 Digital Data Service#

(A) Channel Termination

- Per point of termination

	USOC	Monthly Rates	<u>Nonrecurring Charges</u>		
	TNTM2/T6ECS*		<u>First</u>	<u>Additional</u>	
2.4 kbps	TNTM2/T6ECS*				(D)
Price Cap		\$118.64			
					(D)
4.8 kbps	TNTM2/T6ECS*				(D)
Price Cap		\$131.94			
					(D)
9.6 kbps	TNTM2/T6ECS*				(D)
Price Cap		\$145.26			
					(D)
19.2 kbps	TNTM2/T6ECS*				(D)
Price Cap		\$158.07			
					(D)
56.0 kbps	TNTM2/T6ECS*				(D)
Price Cap		\$175.54			
					(D)
64.0 kbps	TNTM2/T6ECS*				(D)
Price Cap		\$185.28			
					(D)
Installation/Change	TNTM2/T6ECS*				(D)
Price Cap			\$200.00	\$120.00	
					(D)

\* Effective January 31, 2002, the 4-wire service associated with the T6ECS/NRBGH USOC is no longer available for new service requests. However, the Company may still use the USOC in instances where the TNTM2/NRBGH USOC cannot be used.

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7.5 Rates and Charges (Cont'd)

7.5.8 Digital Data Service# (Cont'd)

	<u>USOCs</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
(B) <u>Optional Features and Functions</u>				(T)
(1) Bridging, per port	BCNDA			
Price Cap		\$12.41	None	(D)
				(D)
(2) Reserved				

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7.5 Rates and Charges (Cont'd)

7.5.8 Digital Data Service# (Cont'd)

(B) Optional Features and Functions (Cont'd) (T)

	<u>USOC</u>	<u>Monthly Nonrecurring Rates</u>	<u>Charges</u>	
(3) Secondary Channel Capability				
- Per Channel Termination				
- 2.4 kbps Price Cap	SSE24	\$0.00	None	(D)   (D)
- 4.8 kbps Price Cap	SSE48	\$0.00	None	(D)   (D)
- 9.6 kbps Price Cap	SSE96	\$0.00	None	(D)   (D)
- 56.0 kbps Price Cap	SSE56	\$0.00	None	(D)   (D)

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7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.9 High Capacity Service

(A) Channel Termination

- Per point of termination

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charges</u>	
			<u>First</u>	<u>Additional</u>
(1) <u>Basic Service</u>				
a) <u>Electrical Interface</u>				
1.544 Mbps/DSL				
Rate Zone 1	TMECS	\$207.02		
Rate Zone 2	TMECS	229.25		
Rate Zone 3	TMECS	243.27		
Installation/Change				
Rate Zone 1			\$355.00	\$220.00
Rate Zone 2			355.00	220.00
Rate Zone 3			355.00	220.00

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7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.9 High Capacity Service (Cont'd)

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

(1) Basic Service (Cont'd)

(a) Electrical Interface (Cont'd)

44.736 Mbps/DS3

Rate Zone 1, Month-to-Month

	<u>USOC</u>	Monthly Rate, <u>Per CT</u>	Nonrecurring <u>Charge</u>	
Per DS3 CT at each Secondary Premises	TYFLS	1,700.96	1.00	(D)

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7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.9 High Capacity Service (Cont'd)

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

(1) Basic Service (Cont'd)

(a) Electrical Interface (Cont'd)

44.736 Mbps/DS3 (Cont'd)  
 Rate Zone 2, Month-to-Month

	<u>USOC</u>	Monthly Rate, <u>Per CT</u>	Nonrecurring <u>Charge</u>	
Per DS3 CT at each Secondary Premises	TYFLS	1,786.01	1.00	(D)

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7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.9 High Capacity Service (Cont'd)

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

(1) Basic Service (Cont'd)

(a) Electrical Interface (Cont'd)

44.736 Mbps/DS3 (Cont'd)

Rate Zone 3, Month-to-Month

	<u>USOC</u>	Monthly Rate, <u>Per CT</u>	Nonrecurring <u>Charge</u>	
Per DS3 CT at each Secondary Premises	TYFLS	1,871.06	1.00	(D)

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7.5 Rates and Charges (Cont'd)

7.5.9 High Capacity Service (Cont'd)

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

(1) Basic Service (Cont'd)

(a) Electrical Interface (Cont'd)

44.736 Mbps/DS3 (Cont'd)  
 Rate Zone 1, Base Rates

	<u>USOC</u>	Monthly Rate, <u>Per CT</u>	Nonrecurring <u>Charge</u>	
Per DS3 CT at each Secondary Premises	TYF8S	1,700.96	1.00	(D)

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7.5 Rates and Charges (Cont'd)

7.5.9 High Capacity Service (Cont'd)

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

(1) Basic Service (Cont'd)

(a) Electrical Interface (Cont'd)

44.736 Mbps/DS3 (Cont'd)

Rate Zone 2, Base Rates

	<u>USOC</u>	Monthly Rate, <u>Per CT</u>	Nonrecurring <u>Charge</u>	
Per DS3 CT at each Secondary Premises	TYF8S	1,786.01	1.00	(D)

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7.5 Rates and Charges (Cont'd)

7.5.9 High Capacity Service (Cont'd)

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

(1) Basic Service (Cont'd)

(a) Electrical Interface (Cont'd)

44.736 Mbps/DS3 (Cont'd)  
 Rate Zone 3, Base Rates

	<u>USOC</u>	Monthly Rate, <u>Per CT</u>	Nonrecurring <u>Charge</u>	
Per DS3 CT at each Secondary Premises	TYF8S	1,871.06	1.00	(D)

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- 7.5 Rates and Charges (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.9 High Capacity Service (Cont'd)

(B) Optional Features and Functions (T)

(2) Alternate Serving Wire Center (T)

		Monthly Nonrecurring		
	USOC	Rates	Charges	
1.544 Mbps/DS1 and IEF DS1 on separated VT1.5s, per point of termination				
Rate Zone 1	A1VXZ	\$25.00	None	
Rate Zone 2	A1VXZ	25.00	None	
Rate Zone 3	A1VXZ	25.00	None	(D)   (D)
 44.736 Mbps/DS3, and IEF DS3, STS1, and DS1s on Grouped VT1.5s, per point of termination				(D)
- Month-to-Month				
Rate Zone 1	A1VXZ	250.00	None	
Rate Zone 2	A1VXZ	250.00	None	
Rate Zone 3	A1VXZ	250.00	None	(D)   (D)
- 3 Year RSPP				
Rate Zone 1	A1VXF	225.00	None	
Rate Zone 2	A1VXF	225.00	None	
Rate Zone 3	A1VXF	225.00	None	(D)   (D)
- 5 Year RSPP				
Rate Zone 1	A1VXG	200.00	None	
Rate Zone 2	A1VXG	200.00	None	
Rate Zone 3	A1VXG	200.00	None	(D)   (D)

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7.5 Rates and Charges (Cont'd)

7.5.12 Reserved for Future Use

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7.5 Rates and Charges (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.13 Message Station Equipment Recovery Charge

	<u>USOC</u>	<u>Monthly Rate</u>
Message Station Equipment		
Recovery Charge	UTM	
- Per Special Access		
Surcharge Assessed,		
Price Cap		\$ 4.50

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7.5.14 Special Access Surcharge

- Per Voice Equivalent		
Private Line	S25	25.00

7.5.15 Reserved for Future Use

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7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.16 Term Pricing Plans (Cont'd)

(C) 5-year Commitment Period - DS1#

<u>Service</u>	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>	
			<u>First</u>	<u>Additional</u>
Per Channel Termination				
1.544 Mbps/DS1				
Rate Zone 1	TNT4X	\$134.56		
Rate Zone 2	TNT4X	149.01		
Rate Zone 3	TNT4X	158.13		

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Installation/Change

Rate Zone 1	\$ 1.00	\$0.75
Rate Zone 2	1.00	0.75
Rate Zone 3	1.00	0.75

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# Service availability limited. Refer to ## footnote on Page 7-209.

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7.5 Rates and Charges (Cont'd)

7.5.16 Term Pricing Plans (Cont'd)

(D) 7-year Commitment Period DS1#

<u>Service</u>	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charges</u>	
			<u>First</u>	<u>Additional</u>
Per Channel Termination				
1.544 Mbps/DS1				
Rate Zone 1	TNT8X	\$124.21		
Rate Zone 2	TNT8X	137.55		
Rate Zone 3	TNT8X	145.96		

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Installation/Change				
Rate Zone 1			\$ 1.00	\$0.75
Rate Zone 2			1.00	0.75
Rate Zone 3			1.00	0.75

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7.5 Rates and Charges (Cont'd)

7.5.20 Reserved for Future Use

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7.5 Rates and Charges (Cont'd)

7.5.22 Reserved for Future Use

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