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.

#### 7.1.1 Channel Types (C)

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:

- 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.

* 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.

ACCESS SERVICE

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.

(D)
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|
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(D)



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ACCESS SERVICE

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

7.1.1 Channel Types (Cont'd)

Digital Data - a channel for the digital transmission of 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)
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(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. (D) (D)

(D)
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|
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(D)

ACCESS SERVICE

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:

- Non-Competitive End User Channel Terminations, including WATS Access Connections (WACs) (described in 7.1.2(A) following)
- 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 detariffed Integrated Optical Service Riders may also apply to Special Access connected to Integrated Optical Service Riders. (C) Rates and charges for Ports also apply to a Special Access DS3 connected to a point to point SONET service. (D) (D)

(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:

- 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.

ACCESS SERVICE

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)

ACCESS SERVICE

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. (C) (C)

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. (T)

| GENERIC NAME | VERIZON PRODUCT NAME | (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 | |

ACCESS SERVICE

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 (C)
detariffed. (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 (T)
through a Hub. Two point service also connects a (D)
customer designated premises and a WATS Serving Office (WSO).

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 (T)
Recovery Charge as set forth in 7.4.3 following may be applicable.

ACCESS SERVICE

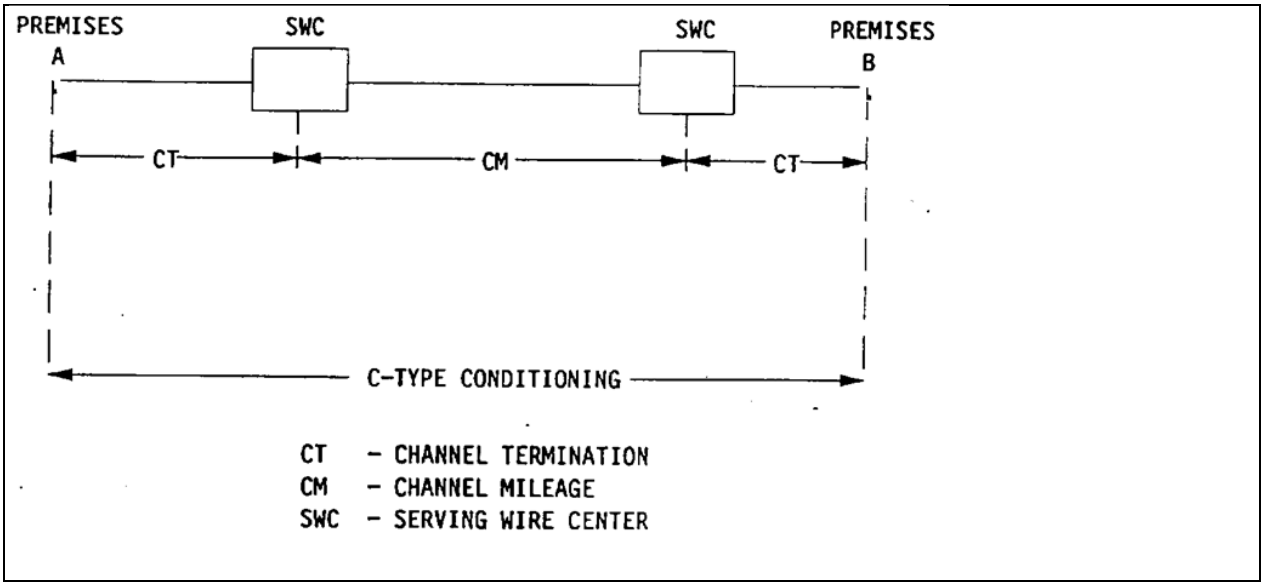
7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(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) (D)
- C-Type Conditioning Optional Feature (2 applicable)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(B) Multipoint Service

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

Multipoint service utilizing a customized technical specifications package as set forth in 7.2 following will be provided when technically possible. If the Telephone Company determines that the requested characteristics for a 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)

(D)
|
(D)

- Bridging
- Additional Optional Features (when applicable).

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



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ACCESS SERVICE

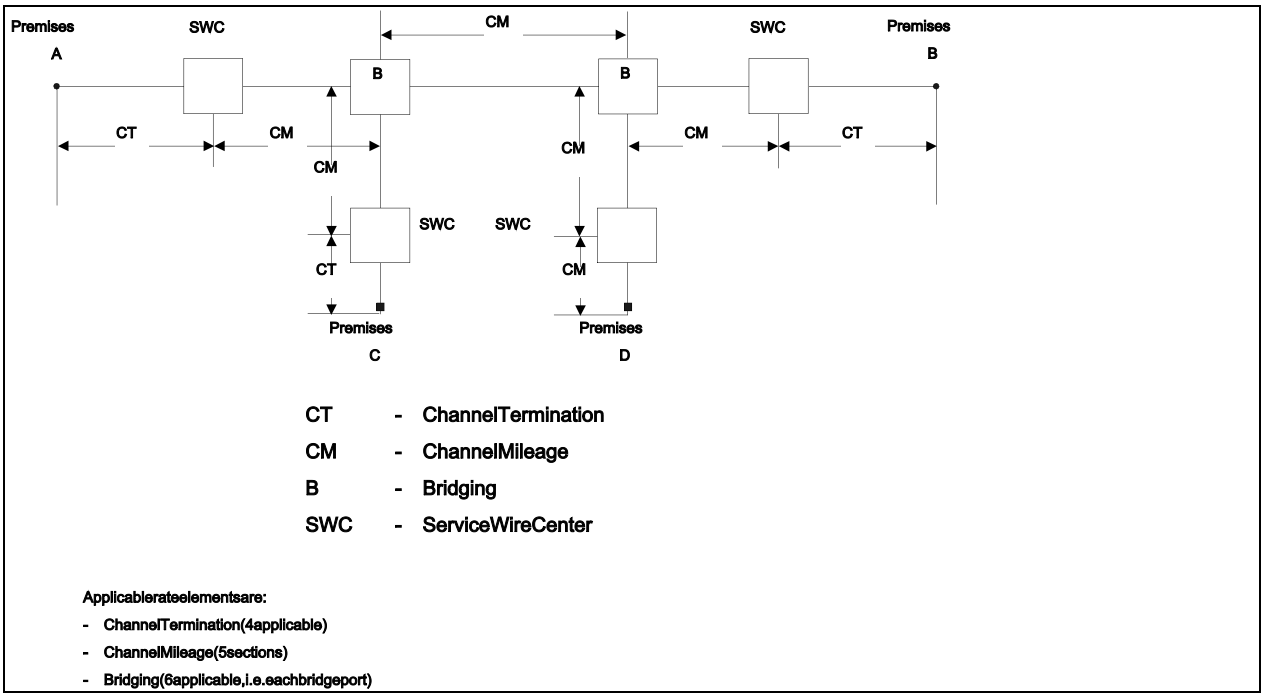
7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.3 Service Configurations (Cont'd)

(B) Multipoint Service (Cont'd)

Example: 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)



ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.4 Alternate Use

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

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

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.)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.1 General (Cont'd)

7.1.9 Special Access Surcharge

In addition, a Special Access Surcharge as set forth in 7.5.14 following will apply to jurisdictionally interstate private line facilities provided by the Telephone Company to a customer, in accordance with regulations as set forth in 7.4.2 following.

7.1.10 Connections with Other Network Services

Special Access Service may be ordered to allow connections between the end user premises and serving wire center which provides Other Network Services.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions

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

Voice Grade (VG)
WATS Access Connection (WAC)

(D)

Digital Data (DA)
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.

ACCESS SERVICE

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)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this tariff except that the existing services with performance specifications exceeding the standard listed in this provision will be maintained at the performance levels specified in this tariff. All services installed after the effective date of this tariff will conform to the transmission 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) |
| | | (D) |
| | | (D) |
| | | (D) |
| | | (D) |
| | | (D) |
| | | (D) |
| | | (D) |
| Digital Data | TR-NWT-000341, Issue 2 | |
| Secondary Channel | TR-NPL-000157, Issue 2<br>PUB 62310 | (T)(x) |

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



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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

| | | |
|---|---|---|
| High Capacity | GR-54-CORE, Issue 1<br>GR-342-CORE, Issue 1<br>GR-499-CORE, Issue 4 | (T) (x)<br>(D)<br>(D) |

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

ACCESS SERVICE

7. Special Access Service (Cont'd)
7.2 Service Descriptions (Cont'd)
7.2.1 Reserved for Future Use (C) (D)

(D)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

(D)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)
7.2 Service Descriptions (Cont'd)
7.2.2 Reserved for Future Use (C) (D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service#

(A) Basic Channel Description

A Voice Grade channel is a channel which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated 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.

# Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. For wire centers specific service withdrawal information, please refer to Section 14 of this Tariff. (C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

Material previously found on this page can now be found on Original Page 14-112.



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ACCESS SERVICE

7. Special Access Service (Cont'd)

Material previously found on this page can now be found on Original Page 14-112.

(Issued under Transmittal No. 1418)



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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service# (Cont'd)

(B) Technical Specifications Packages

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

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

\# Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. For wire centers specific service withdrawal information, please refer to Section 14 of this Tariff. (C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service# (Cont'd)

(B) Technical Specifications Packages (Cont'd)

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

(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)

# Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. For wire centers specific service withdrawal information, please refer to Section 14 of this Tariff. (C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service# (Cont'd)

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

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

(e) Telemetry and Alarm Bridging

Split Band, Active Bridging

Active Bridging

(2) Reserved

(3) Conditioning

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

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

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

# Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. For wire centers specific service withdrawal information, please refer to Section 14 of this Tariff. (C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service# (Cont'd)

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

(3) Conditioning (Cont'd)

(a) C-Type Conditioning

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

Attenuation Distortion (Frequency Response) Relative to 1004 Hz

| Frequency Variation Range (Hz) | (dB) |
|---|---|
| 504-2804 | -1.0 to +3.0 |
| 304-3004 | -2.0 to +6.0 |

| Envelope Delay Distortion Frequency Range (Hz) | Variation (micro-seconds) |
|---|---|
| 1004-2604 | ≤ 500 |
| 604-2604 | ≤ 1500 |
| 504-2804 | ≤ 3000 |

# Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. For wire centers specific service withdrawal information, please refer to Section 14 of this Tariff. (C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service# (Cont'd)

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

(3) Conditioning (Cont'd)

(b) Improved Attenuation Distortion

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

| Attenuation Distortion (Frequency Response) Relative to 1004 Hz | |
|---|---|
| Frequency Range (Hz) | Variation (dB) |
| 404-2804 | -1.0 to +2.0 |
| 304-3004 | -1.0 to +3.0 |
| 304-3204 | -2.0 to +6.0 |

(c) Improved Envelope Delay Distortion

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

| Envelope Delay Distortion | |
|---|---|
| Frequency Range (Hz) | Variation (micro-seconds) |
| 1004-2604 | ≤ 100 |
| 804-2604 | ≤ 200 |
| 604-2604 | ≤ 300 |
| 504-2804 | ≤ 600 |
| 504-3004 | ≤ 3000 |

# Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. For wire centers specific service withdrawal information, please refer to Section 14 of this Tariff. (C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service# (Cont'd)

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

(3) Conditioning (Cont'd)

(d) Sealing Current Conditioning

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

(4) Customer Specified Premises Receive Level

This option allows the customer to specify the receive level at the Point of Termination. The level must be within a specific range on effective four-wire transmission. The ranges are delineated in Technical Reference TR-NWT-000335, Issue 3.

# Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. For wire centers specific service withdrawal information, please refer to Section 14 of this Tariff. (C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service# (Cont'd)

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

(5) Improved Termination and Improved Return Loss

(a) Improved Termination - On Effective Four-Wire Transmission at Four-Wire Point of Termination (applicable to each two-wire port): Provides for a fixed 600 ohm impedance, variable level range and simplex reversal. Telephone Company equipment is required at the customer's premises where this option is ordered. The Improved Termination parameters are delineated in Technical Reference TR-NWT-000335, Issue 3.

(b) Improved Return Loss - On Effective Two-Wire Transmission at Two-Wire Point of Termination: Provides for more stringent Echo Control Specifications. In order for this option to be applicable, the transmission path must be four-wire at one POT and two-wire at the other POT. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire POT. The Improved Return Loss parameters are delineated in Technical Reference TR-NWT-000335, Issue 3.

(6) Data Capability

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

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

- Signal to C-Notched Noise Ratio is equal to or greater than 32dB

# Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. For wire centers specific service withdrawal information, please refer to Section 14 of this Tariff. (C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service# (Cont'd)

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

(6) Data Capability (Cont'd)

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

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

(7) Reserved.

# Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. For wire centers specific service withdrawal information, please refer to Section 14 of this Tariff. (C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service# (Cont'd)

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

(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- | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | C | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| C-Type Conditioning | X | | | | | X | X | X | X | X | X | | |
| Central Office Bridging Capability | X | | X | | | X | X | | | | X | X | X |

# Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. For wire centers specific service withdrawal information, please refer to Section 14 of this Tariff. (C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service# (Cont'd)

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

| | Available with Technical Specifications Package VG- | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | C | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Data Capability Improved Termination | X | | | | | | X | X | | | X | | |
| For Effective Four-Wire Transmission | X | X | X | X | X | X | X | X | X | X | X | X | X |
| Improved Return Loss For Effective Two-Wire Transmission | X | | X | X | | | X | X | | | X | | |
| Sealing Current Conditioning For Effective Four-Wire Transmission | X | | | | | X | X | | | | X | | |
| Signaling Capability | X | X | X | X | | | | X | X | X | | | |

(11) Effective Four-Wire Transmission with Two-Wire Interface

When a customer requests that an effective Four-Wire channel be terminated with a Two-Wire interface at the customer designated premises, then this optional feature applies. Placement of Telephone Company Equipment (Hybrid) is required at the customer's premises to convert the Four-Wire channel to the Two-Wire POT. When this option is ordered, a Four-Wire channel termination charge applies. Per the voice grade technical references, certain voice grade service are always provisioned as Four-Wire services and will be billed as a Four-Wire Channel Termination.

# Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. For wire centers specific service withdrawal information, please refer to Section 14 of this Tariff. (C)

ACCESS SERVICE

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.

# Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. For wire centers specific service withdrawal information, please refer to Section 14 of this Tariff. (C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

Material previously found on this page can now be found on Original Page 14-112.



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ACCESS SERVICE

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

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ACCESS SERVICE

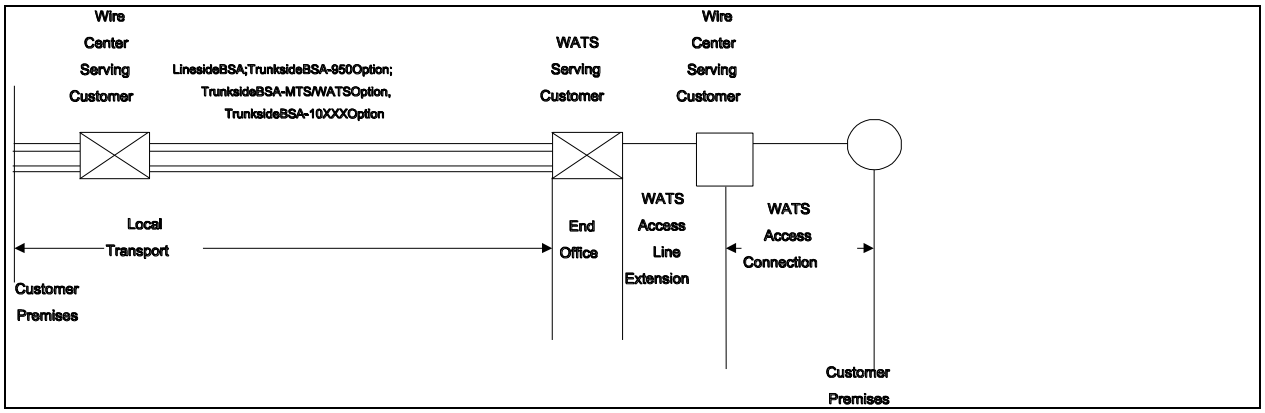
7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3.1 WATS Access Line Service# (Cont'd)

(A) Basic Channel Description (Cont'd)

The WAC is comprised of a Channel Termination from the customer's end user serving wire center to the customer's end user premises.




WATS Access Line Service is service arranged for originating, terminating or two way transmission to or from an end user's premises at the option of the customer. It is provided with rotary dial or dual tone multifrequency address signaling and with either loop start or ground start signaling. Two way WATS Access Line Service is subject to recording capability and central office capacity.

# Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. For wire centers specific service withdrawal information, please refer to Section 14 of this Tariff. (C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3.1 WATS Access Line Service# (Cont'd)

(A) Basic Channel Description (Cont'd)

Originating only and Two Way (originating only) WATS Access Line Service customers, at their option and at no charge, may be provided access to test lines in their local central office to test the WATS Access Connection. Access to two types of lines is available, balance (Type 100) and milliwatt (Type 102). Where available, this feature is only provided in Telephone Company electronic end offices in which WATS Access Connections are provided.

(B) Technical Specifications Packages

| | Packages WAL - | | |
|---|---|---|---|
| Parameters | 1 | 2 | 3 |
| Attenuation Distortion | X | X | |
| Bit Error Rate | | | X |
| C-Message Noise | X | X | |
| Echo Control | X | X | |
| Envelop Delay Distortion | X | X | |
| Frequency Shift | X | X | |
| Impulse Noise | X | X | |
| Intermodulation Distortion | X | X | |
| Loss Deviation | X | X | |
| Phase Jitter | X | X | |
| Signal-to-C Notch Noise | X | X | |

WACs are offered as either effective two-wire, effective four-wire, high capacity or improved two-wire access connections. The technical limitations are delineated in Technical Reference GR-334-CORE, Issue 1.

# Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. For wire centers specific service withdrawal information, please refer to Section 14 of this Tariff. (C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3.1 WATS Access Line Service# (Cont'd)

(C) Channel Interfaces

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

(D) Optional Features and Functions

(1) Central Office Bridging Capability

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

(2) Improved Two-Wire Transmission Specifications

# Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. For wire centers specific service withdrawal information, please refer to Section 14 of this Tariff. (C)

ACCESS SERVICE

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:

(1) State of New Jersey

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.

* "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.

# Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. For wire centers specific service withdrawal information, please refer to Section 14 of this Tariff. (C)

ACCESS SERVICE

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

(2) State of Virginia

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.

(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).

# Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. For wire centers specific service withdrawal information, please refer to Section 14 of this Tariff. (C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.4 Reserved for Future Use (C)

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ACCESS SERVICE

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)

7.2.5 Reserved for Future Use (C)

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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)

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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)

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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)

7.2.6 Reserved for Future Use (C)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.7 Reserved for Future Use (C)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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.

# Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. For wire centers specific service withdrawal information, please refer to Section 14 of this Tariff. (C)

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

ACCESS SERVICE

7. Special Access Service (Cont'd)

Material previously found on this page can now be found on Original Page 14-112.



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ACCESS SERVICE

7. Special Access Service (Cont'd)

Material previously found on this page can now be found on Original Page 14-112.



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ACCESS SERVICE

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

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Data Service# (Cont'd)

(B) Technical Specifications Packages

| | | | Package DA- | | | |
|---|---|---|---|---|---|---|
| Parameter | 1 | 2 | 3 | 4 | 5 | 6 |
| Error-Free Seconds | X | X | X | X | X | X |

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

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

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

# Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. For wire centers specific service withdrawal information, please refer to Section 14 of this Tariff. (C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Data Service# (Cont'd)

(C) Channel Interfaces

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

| CI | Bit Rate |
|---|---|
| DU-24 | 2.4 kbps |
| DU-48 | 4.8 kbps |
| DU-96 | 9.6 kbps |
| DU-19 | 19.2 kbps |
| DU-56 | 56.0 kbps |
| DU-64 | 64.0 kbps |

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

(D) Optional Features and Functions

(1) Central Office Bridging Capability

(2) Reserved

(3) Secondary Channel

Secondary Channel (SC) is an optional arrangement which provides a derived lower speed Digital Data companion channel which is independent of the primary Digital Data Service channel. SC allows customers to perform Network Management, diagnostic and maintenance applications on their Digital Data Networks.

# Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. For wire centers specific service withdrawal information, please refer to Section 14 of this Tariff. (C) | | | (C)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.8 Digital Data Service# (Cont'd)

(D) Optional Features and Functions (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:

| Digital Data Channel Transmission Speed | Secondary Channel Transmission Speed |
|---|---|
| 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.

| | Available with Technical Specifications Package DA- | | | |
|---|---|---|---|---|
| | 1 | 2 | 3 | 4 |
| Central Office Bridging Capability | X | X | X | X |
| Secondary Channel | X | X | X | X |

# Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. For wire centers specific service withdrawal information, please refer to Section 14 of this Tariff. (C)



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ACCESS SERVICE

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

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ACCESS SERVICE

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

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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)

7.2.9 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: (D) (D)

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.

(D)
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(D)

(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.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

(A) Basic Channel Description (Cont'd)

(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. (D) (C)

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

(B) Technical Specifications Packages

| | Package HC- | | | |
|---|---|---|---|---|
| Parameter | 0 | 1 | 1C | 3 |
| Error-Free Seconds | | | | X |

(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:

| CI | Bit Rate |
|---|---|
| DS-15 | 1.544 Mbps (DS1) |
| DS-44 | 44.736 Mbps (DS3) |

(D) Optional Features and Functions

(1) Reserved. (C)

(D)
|
(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

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

(2) Reserved. (C)

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(3) Central Office Multiplexing

Central Office Multiplexing is detariffed. (N)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

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

(D)

(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.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

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

(4) Clear Channel Capability (CCC) (Cont'd)

(b) CCC is provided on 1.544 Mbps High Capacity channels between two customer designated premises and on multiplexed 44.736 High Capacity channels or multiplexed 1.544 High Capacity channels* between a telephone company Hub office and a customer designated premises, and is subject to the availability of facilities.

(c) The optional feature may be ordered at the same time the High Capacity service is ordered or it may be ordered as an addition to an existing High Capacity service. Customers must agree to out-of-service periods required to add this feature to an existing High Capacity service.

* Available only in a DS1-to-Digital Multiplexed Configuration.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

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

(5) Extended Superframe Format

Extended Superframe Format is an optional feature that passes a customer provided framing format for 1.544 Mbps High Capacity service. Extended Superframe Format extends the customer's 1.544 Mbps framing structure from 12 to 24 frames and divides the 8 Kbps 193rd bit position pattern into three distinct functionalities: 2 kbps for frame synchronization, 2 kbps for cyclic redundancy checking, and 4 kbps used for performance monitoring information.

Certain material previously found on this page can now be found on Original Page 7-70.2.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

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

(6) Shared Network Arrangement

(a) A Shared Network Arrangement is a service offering that enables a customer (the "Service User") to connect subtending services to the multiplexed High Capacity service or IntelliMux® service of another customer (the "Host Subscriber"), with the Telephone Company maintaining separate records and billing for each. Each customer will be billed for those rate elements associated with his own portion of the service configuration. Under no circumstances will the rates or charges for individual rate elements be split. This offering is limited to service configurations where a Service User obtains either subtending Voice Grade or Digital Data Service circuits from a Host's multiplexed DS1 service, or DS1 circuits from a Host's multiplexed DS3 service. (D)

(b) Under the Shared Network Arrangement, the Telephone Company may share with the host subscriber record information pertaining to the services of other users of the shared network. Such disclosure will be under the sole discretion of the Telephone Company as is necessary to perform billing reconciliations and/or other functions required in connection with maintaining account records.

(c) Section 7.4.14 contains rate regulations specific to Shared Network Arrangements.

(D)
(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

(D) Optional Features and Functions

(7) Alternate Serving Wire Center

(a) Alternate Serving Wire Center (ASWC) is an optional feature which provides a transmission path for a High Capacity Service between the customer's designated premises and a serving wire center separate from the normal serving wire center.

(b) The Telephone Company will designate the serving wire center to be used as the alternate. The ASWC feature is available where contiguous wire centers with adjacent fiber feeder routes exist. Where facilities are not available, Special Construction rates and regulations may apply as set forth in the appropriate Special Construction tariff. Where service is available, provisioning is based on a Negotiated Interval as described in 5.2.1(B) preceding.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

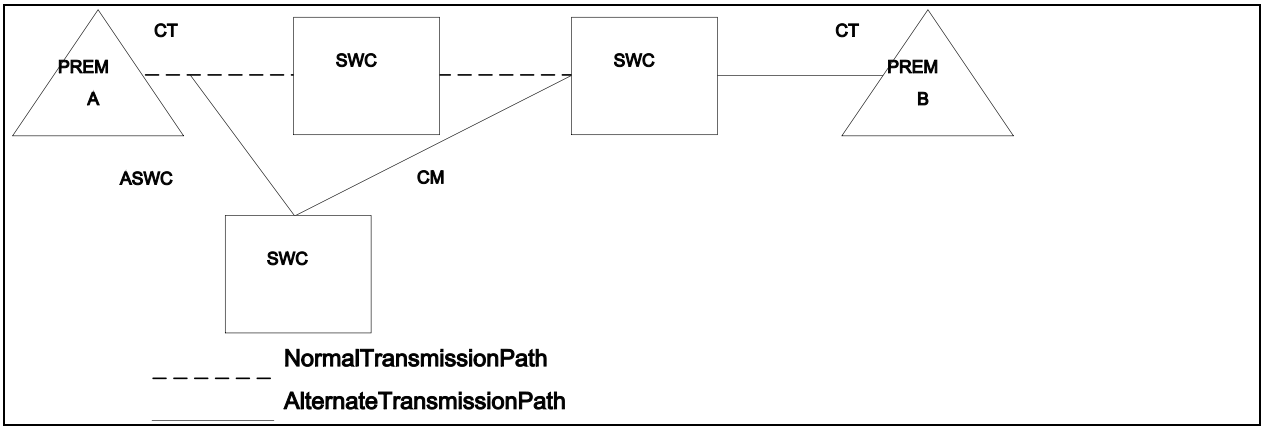
7.2.9 High Capacity Service (Cont'd)

(D) Optional Features and Functions (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, and is in addition to the Channel Terminations and Channel Mileage rates and charges for each High Capacity service provided over the alternate path. (D) (D) (D)

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




| Rate Elements | | Applicable Charges |
|---|---|---|
| 2 Channel Terms (CT) | | Monthly and nonrecurring |
| Channel Mileage (CM) | (detariffed) | Monthly |
| 1 ASWC | | Monthly |



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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.9 High Capacity Service (Cont'd)

(D) Optional Features and Functions (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- | | | | |
|---|---|---|---|---|---|
| | 0 | 1 | 1C | 3 | (D) |
| Clear Channel Capability | | X | | X | (D) |
| Extended Super Frame Format | | | | X | (D) |

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 Reserved for Future Use (C)

(D)

(D)



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1300 I Street, NW, Washington, DC 20005 (T)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.11 Reserved for Future Use (C)

(D)

(D)



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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.12 IntelliMux® Service

IntelliMux® Service is detariffed. (N)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)
7.2 Service Descriptions (Cont'd)
7.2.13 Reserved for Future Use (C)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

(D)

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ACCESS SERVICE

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)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

(D)

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(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 Reserved for Future Use (C)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(A) General (Cont'd)

Technical specifications are delineated in the following Technical References: (T) (T)

GR-253-CORE, Issue 4 (C)(x)
"Synchronous Optical Network (SONET) Transport Systems: Common Generic Criteria"

GR-1374-CORE, Issue 1 (T)
"SONET Inter-Carrier Interface Physical Layer Generic Criteria for Carriers"

ANSI T1.105.01-2000 (R2005) (C)(x)
"Synchronous Optical Network (SONET) - Basic Description including Multiplex Structure, Rates and Formats"

IEEE 802.3-2005/Cor2/D2.0-2007, Telecommunications and information exchange between systems-Local and Metropolitan Areas Networks-Specific Requirements-Part 3. (C)(x)

IEEE 802.3z-1998, Supplement to Standard for Information Technology-Local and Metropolitan Area Networks, Part 3. (C)(x)

(x) GR-253-CORE, Issue 4, replaces GR-253-CORE, Issue 3, in its entirety.
IEEE 802.3-2005/Cor2/D2.0-2007 replaces ANSI X3.802.3 in its entirety.
IEEE 802.3z-1998 replaces ANSI X3.802.3z in its entirety.
ANSI T1.105.01-2000 (R2005) replaces ANSI T1.105-1995 in its entirety.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(B) Definitions

Add/Drop Multiplexing, (ADM): a multiplexing function that allows lower level signals to be added or dropped from an optical carrier channel.

Customer Access Ring, (CAR): a survivable fiber ring that is constructed through at least two Central Offices/Wire Centers. Cars utilize unidirectional path-switched ring ADMs, typically operating at OC3 and OC12 rates.

Enhanced DSR node: See also the definition of Node following. An (T)
enhanced DSR node, available after March 20, 2003, provides (T)
additional feature functionality that is not available with the
existing first-generation DSR nodes. Enhanced DSR nodes are capable (T)
of supporting DS1 and Gigabit Ethernet ports at the OC12, OC48 and
OC192 levels.

Fiber path diversity: the provision of service using at least two fibers placed on physically separate paths, i.e., different conduit runs that do not pass through the same manhole(s). The cable paths are separated by at least 25 feet.

High Speed Interface: a DSR or IOTS rate element on a partial ring (T)
service that allows high speed interconnection of the Company's
facilities to the facilities of the customer or of a third party.
High speed interconnection is provided at a fiber meet location that
is mutually agreed upon by the Company and the customer.

Node: a DSR rate element and a designation of either a customer (T)
location or Company wire center on a SONET ring that has ADM
capability. It is also the address of where a channelized (lower
speed) service originates or terminates on a ring. Generally, the
ring capacity determines the type of node. For DSR, see also (T)
Enhanced DSR node. (T)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(B) Definitions (M)

Optical Carrier Rate, (OC #): a SONET transmission signal/speed, line rate, or service. The rates are in multiples of an OC1, which is equivalent to an STS1 (51.84 Mbps), SONET's basic rate.

| OC(#) Rate | Bandwidth Capacity |
|---|---|
| 3 | 155.52 Mbps |
| 12 | 622.08 Mbps |
| 48 | 2.488 Gbps |
| 192 | 9.952 Gbps |

Optical Carrier Rate Concatenated, (OC#c): a "clear channel" SONET transmission using only one framing format. Generally, an OC3 signal provides three STS1s frame formats with 3 overheads for a total capacity of 2268 bytes per Synchronous Payload envelope (SPE) frame; in an OC3c signal, one STS3c frame format is used with one overhead, increasing the total payload capacity to 2340 bytes per SPE frame. (M)

Material now shown on this page previously appeared on Page 7-99.

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(B) Definitions (Cont'd)

OC12/3, (OC12 over 3): a node designation that denotes a ring line rate of OC12, but with port interface capability and capacity equal to OC3. An OC12 DSR could have one, some or all OC12/3 nodes.

OC12+3, OC48+3,OC192+3,OC192+12,and OC192+48: designations for nodes in ring-on-ring designs; the higher speed ADM is part of the true ring, and the lower speed ADM is connected for the purpose of mapping lower speed services onto the STS1s of the OC12, OC48 or OC192. Both nodes, the lower and higher speed node, of a ring-on-ring arrangement must be located in the same customer premises or wire center.

Port: a DSR rate element that denotes the interface at which a channelized or lower speed service terminates or originates at a DSR node.

Port Node: an arrangement on a DSR that interconnects the main DSR ring with a subtending DSR ring. (N) (N)

SONET, (Synchronous Optical NETwork): an international standard for the transmission of high capacity bandwidth over optical facilities. This synchronous transmission platform utilizes a modular multiplexing approach. Because of the large bandwidth, some of the payload is used to monitor, protect, manage and improve the transmission of the signal.

Subtending Ring: a DSR Service that subtends (interconnects with) a DSR main ring. (N) (N)

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). These DS1s may be accessed off-ring using the tariffed DS3 to DS1 multiplexing optional service or at an enhanced node via a DS3 Transmux port.

Transmuxing: the function of a DSR DS3 Transmux port that performs a DS3 to DS1 conversion at a DSR Enhanced Node. The DS3 to DS1 conversion allows a single DSR DS3 Transmux port (which includes a DS3 Transmux Facility to which the DS1 circuits are mapped) to be a facility associated with up to twenty-eight (28) VT1.5 mapped DSR DS1 ports. Such DS3 Transmux Facility will be provisioned upon ordering the associated DS1 Transmux port. Transmuxing within the DSR network retains DS1 visibility allowing for full, proactive maintenance capability of the DS1 signals.

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.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions

(1) Reserved (T)

Certain material previously appearing on this page currently appears in Section 23.1 following

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

Certain material previously appearing on this page currently appears in Section 23.1 following

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

Certain material previously appearing on this page currently appears in Section 23.1 following

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

Certain material previously appearing on this page currently appears in Section 23.1 following

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

Certain material previously appearing on this page currently appears in Section 23.1 following

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

Certain material previously appearing on this page currently appears in Section 23.1 following

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

Certain material previously appearing on this page currently appears in Section 23.1 following

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

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Certain material previously appearing on this page currently appears in Section 23.1 following

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

Certain material previously appearing on this page currently appears in Section 23.1 following

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

Certain material previously appearing on this page currently appears in Section 23.1 following

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight Services (Cont'd)

(C) Service Descriptions (Cont'd)

(1) Reserved (Cont'd) (T)

Certain material previously appearing on this page currently appears in Section 23.1 following

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.14 IntelliLight℠ Services (Cont'd)

(C) Service Descriptions (Cont'd)

(2) Reserved. (C)

(D)

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ACCESS SERVICE

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7.2.14 IntelliLight Services (Cont'd)

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ACCESS SERVICE

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

| Code | Option | Definition | |
|---|---|---|---|
| | | | (D) |
| | | | (D) |
| AC - | | accepts 20 Hz ringing signal at customer's end user's point of termination | |
| AH - | | analog high capacity interface | |
| - | B | 60 kHz to 108 kHz (12 channels) | |
| - | C | 312 kHz to 552 kHz (60 channels) | |
| - | 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 (McCulloh 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) | |

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)

| Code | Option | Definition | |
|---|---|---|---|
| DD - | | DATAPHONE Select-A-Station (and TABS) interface at customer's point of termination | |
| DE - | | DATAPHONE Select-A-Station (and TABS) interface at the customer's end user's point of termination | |
| DS - | | digital hierarchy interface | |
| - | 15 | 1.544 Mbps (DS1) format per PUB 62411 and Supplement A plus D4 | |
| - | 15B | 1.544 Mbps (DS1) format per PUB 62411 and Supplement A plus D4 with B8ZS clear channel capability | |
| - | 15E | 8-bit PCM encoded in one 64 Kbps of the DS1 signal | |
| - | 15F | 8-bit PCM encoded in two 64 Kbps of the DS1 signal | |
| - | 15G | 8-bit PCM encoded in three 64 Kbps of the DS1 signal | |
| - | 15H | 14/11-bit PCM encoded in six 64 Kbps of the DS1 signal | |
| - | 15J | 1.544 Mbps format per Technical Reference GR-54-CORE, Issue 1 | |
| - | 15K | 1.544 Mbps format per Technical Reference GR-54-CORE, Issue 1, plus extended framing format | |
| - | 15L | 1.544 Mbps (DS1) with SF signaling | |
| - | 15S | 1.544 Mbps (DS1) with B8ZS clear channel capability per Technical Reference Technical Reference GR-342-CORE, Issue 1, plus extended framing | (D) |
| | | | (D) |
| - | 44 | 44.736 Mbps (DS3) | |
| | 44A | 44.736 Mbps (DS3 unchannelized and C-Bit Parity per GR-342 | |
| | 44I | 44.736 Mbps (DS3) with C-Bit Parity format | |
| - | 44L | 44.736 Mbps (DS3) with SF signaling | |

ACCESS SERVICE

7. Special Access Service (Cont'd)

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

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

| Code | Option | Definition | |
|---|---|---|---|
| DU | - | digital access interface | (M)(y) |
| | - 19 | 19.2 kbps | (M)(y) |
| | - 24 | 2.4 Kbps | (M)(y) |
| | - 24S | 2.4 Kbps with secondary channel | (M)(y) |
| | 48 | 4.8 Kbps | (M)(y) |
| | - 48S | 4.8 Kbps with secondary channel | (M)(y) |
| | 56 | 56.0 Kbps | (M)(y) |
| | - 56S | 56.0 Kbps with secondary channel | (M)(y) |
| | - 64 | 64.0 kbps | (M)(y) |
| | 96 | 9.6 Kbps | (M)(y) |
| | - 96S | 9.6 Kbps with secondary channel | (M)(y) |
| | - A | 1.544 Mbps format per Technical Reference GR-54- | (C)(x)(y) |
| | | CORE, Issue 1 | (C)(x)(y) |
| | - B | 1.544 Mbps format per Technical Reference GR-54- | (C)(x)(y) |
| | | CORE, Issue 1 plus D4 | (C)(x)(y) |
| | - D | 1.544 Mbps (DS1) format per Technical Reference GR- | (C)(x)(y) |
| | | 54-CORE, Issue 1, plus D4 with B8ZS clear channel | (C)(x)(y) |
| | | capability | (M)(y) |
| | - C | 1.544 Mbps format per Technical Reference GR-54- | (C)(x)(y) |
| | | CORE, Issue 1, plus extended framing format | (C)(x)(y) |
| | - S | 1.544 Mbps (DS1) with B8ZS clear channel Capability | (M)(y) |
| | | per Technical Reference GR-54-CORE, Issue 1, plus | (C)(x)(y) |
| | | extended framing | (M)(y) |

(x) GR-54-CORE, Issue 1, replaces PUB 62411, PUB 62411A, and TR-NPL-000054 in their entirety.

(y) Certain material currently appearing on this page previously appeared on Original Page 7-140

ACCESS SERVICE

7. Special Access Service (Cont'd)

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

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

| Code | Option | Definition | |
|---|---|---|---|
| | | | (D) |
| | | | (D) |
| DY - | | duplex signaling interface at customer's end user's point of termination | |
| 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) |
| GO - | | ground start loop signaling - open end function by customer or customer's end user | (D) |
| 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 | |

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)

| Code | Option | Definition | |
|---|---|---|---|
| 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) |
| 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) |

ACCESS SERVICE

7. Special Access Service (Cont'd)

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

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

| Code | Option | Definition | |
|---|---|---|---|
| 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 | |

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

ACCESS SERVICE

7. Special Access Service (Cont'd)

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

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7.3.2 Impedance

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

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

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



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ACCESS SERVICE

7. Special Access Service (Cont'd)

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

7.3.3 Digital Hierarchy Channel Interface Codes (4DS)

This interface is available to customers that select the multiplexed four-wire DSX-1 or higher facility interface option at the customer designated premises. Customers who have installed multiplexed DS1 systems to a Facility Hub and are connecting individual facilities to these systems to complete service arrangements will be requested to provide subsequent system and channel assignment data. Customers who request these interfaces in conjunction with other compatible non digital interfaces without system and channel assignment data will be provided service, where facilities permit, on Telephone Company DS1 Facilities Inventory. The various digital bit rates in the digital hierarchy employ the channel interface code 4DS9, 4DS0 or 4DS6 plus the speed options indicated below:

| Electrical Interface Code and Speed Option | Nominal Bit Rate (Mbps) | Digital Hierarchy Level | |
|---|---|---|---|
| 4DS9-15 | 1.544 | DS1 | (D) |
| 4DS6-44 | 44.736 | DS3 | |

(D)
|
|
|
|
|
(D)



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ACCESS SERVICE

7. Special Access Service (Cont'd)

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

7.3.4 Service Designator/Network Channel Code Conversion Table

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

| Service Designator Code | Network Channel Code |
|---|---|
| VGC | LQ |
| VG1 | LB |
| VG2 | LC |

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

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

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

| Service Designator Code | Network Channel Code | |
|---|---|---|
| VG3 | LD | (D) |
| VG4 | LE | \| |
| VG5 | LF | (D) |
| VG6 | LG | |
| VG7 | LH | |
| VG8 | LJ | |
| VG9 | LK | |
| VG10 | LN | |
| VG11 | LP | |
| VG12 | LR | |
| WAC | SE | |
| WAC | SF | |
| DA1 | XA | |
| DA2 | XB | |
| DA3 | XG | |
| DA4 | XH | |
| DA5 | XE | |
| DA6 | YN | |
| HC0 | HS | |
| HC1 | HC | |
| HC1C | HD | |
| HC3 | HF | |
| HC3C | HF, QTY 3 | (D) |
| | | (D) |

ACCESS SERVICE

7. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces

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

(A) Reserved (C)(D)

(B) Reserved (C)(D)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade

| Compatible CIs | | Compatible CIs | | Compatible CIs | |
|---|---|---|---|---|---|
| 4AB2 | 4AB2 | 4AH6-C | 4DA2 | 4AH6-D | 2DY2 |
| | | 4AH6-C | 2DA2 | 4AH6-C | 9DY2 |
| 4AB2 | 4AC2 | | | 4AH6-C | 9DY3 |
| 4AB3 | 4AC2 | 4AH5-B | 6DA2 | 4AH6-C | 6DY2 |
| 4AB2 | 2AC2 | 4AH5-B | 4DA2 | 4AH6-C | 6DY3 |
| 4AB3 | 2AC2 | 4AH5-B | 2DA2 | 4AH6-C | 4DY2 |
| 2AB2 | 2AC2 | | | 4AH6-C | 2DY2 |
| 2AB3 | 2AC2 | 4AH6-D | 4DE2 | 4AH5-B | 9DY2 |
| | | 4AH6-C | 4DE2 | 4AH5-B | 9DY3 |
| 4AB2 | 4SF2 | 4AH5-B | 4DE2 | 4AH5-B | 6DY2 |
| 4AB3 | 4SF2 | 4AH6-D | 2DE2 | 4AH5-B | 6DY3 |
| 4AC2 | 4AC2 | 4AH6-C | 2DE2 | 4AH5-B | 4DY2 |
| 4AC2 | 2AC2 | 4AH5-B | 2DE2 | 4AH5-B | 2DY2 |
| 4AH6-D | 4AC2 | 4AH6-D | 4DX3 | 4AH6-D | 9EA2 |
| 4AH6-D | 2AC2 | 4AH6-C | 4DX3 | 4AH6-D | 9EA3 |
| 4AH6-C | 4AC2 | 4AH5-B | 4DX3 | 4AH6-D | 6EA2-E |
| 4AH6-C | 2AC2 | 4AH6-D | 4DX2 | 4AH6-D | 6EA2-M |
| 4AH5-B | 2AC2 | 4AH6-C | 4DX2 | 4AH6-D | 4EA2-E |
| 4AH5-B | 4AC2 | 4AH5-B | 4DX2 | 4AH6-D | 4EA2-M |
| | | | | 4AH6-C | 9EA2 |
| 4AH6-D | 2CT3 | 4AH6-D | 9DY2 | 4AH6-C | 9EA3 |
| 4AH6-C | 2CT3 | 4AH6-D | 9DY3 | 4AH6-C | 6EA2-E |
| 4AH5-B | 2CT3 | 4AH6-D | 6DY2 | | |
| | | 4AH6-D | 6DY3 | | |
| 4AH6-D | 6DA2 | 4AH6-D | 4DY2 | | |
| 4AH6-D | 4DA2 | | | | |
| 4AH6-D | 2DA2 | | | | |
| 4AH6-C | 6DA2 | | | | |

ACCESS SERVICE

7. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

| Compatible CIs | | Compatible CIs | | Compatible CIs | |
|---|---|---|---|---|---|
| 4AH6-C | 6EA2-M | 4AH6-D | 6GS2 | 4AH6-D+ | 2LO2 |
| 4AH6-C | 4EA2-E | 4AH6-D | 4GS2 | 4AH6-C+ | 2LO3 |
| 4AH6-C | 4EA2-M | 4AH6-D | 2GS3* | 4AH6-C+ | 2LO2 |
| 4AH5-B | 9EA2 | 4AH6-D | 2GS2 | 4AH5-B+ | 2LO3 |
| 4AH5-B | 9EA3 | 4AH6-C | 6GS2 | 4AH5-B+ | 2LO2 |
| 4AH5-B | 6EA2-E | 4AH6-C | 4GS2 | | |
| 4AH5-B | 6EA2-M | 4AH6-C | 2GS3* | 4AH6-D+ | 4LR2 |
| 4AH5-B | 4EA2-E | 4AH6-C | 2GS2 | 4AH6-D+ | 2LR2 |
| 4AH5-B | 4EA2-M | 4AH5-B | 6GS2 | 4AH6-C+ | 4LR2 |
| | | 4AH5-B | 4GS2 | 4AH6-C+ | 2LR2 |
| 4AH6-D | 8EB2-E | 4AH5-B | 2GS3* | 4AH5-B+ | 4LR2 |
| 4AH6-D | 8EB2-M | 4AH5-B | 2GS2 | 4AH5-B+ | 2LR2 |
| 4AH6-D | 6EB2-E | | | | |
| 4AH6-D | 6EB2-M | 4AH6-D | 2LA2 | 4AH6-D+ | 6LS2 |
| 4AH6-C | 8EB2-E | 4AH6-C | 2LA2 | 4AH6-D+ | 4LS2 |
| 4AH6-C | 8EB2-M | 4AH5-B | 2LA2 | 4AH6-D+ | 2LS2 |
| 4AH6-C | 6EB2-E | | | 4AH6-D+ | 2LS3** |
| 4AH6-C | 6EB2-M | 4AH6-D | 2LB2 | 4AH6-C+ | 6LS2 |
| 4AH5-B | 8EB2-E | 4AH6-C | 2LB2 | 4AH6-C+ | 4LS2 |
| 4AH5-B | 8EB2-M | 4AH5-B | 2LB2 | 4AH6-C+ | 2LS2 |
| 4AH5-B | 6EB2-E | | | 4AH6-C+ | 2LS3** |
| 4AH5-B | 6EB2-M | 4AH6-D | 2LC2 | 4AH5-B+ | 6LS2 |
| | | 4AH6-C | 2LC2 | 4AH5-B+ | 4LS2 |
| 4AH6-D | 2G02 | 4AH5-B | 2LC2 | 4AH5-B+ | 2LS2 |
| 4AH6-D | 2G03 | | | 4AH5-B+ | 2LS3** |
| 4AH6-C | 2G02 | 4AH6-D | 2LO3 | | |
| 4AH6-C | 2G03 | | | | |
| 4AH5-B | 2G02 | | | | |
| 4AH5-B | 2G03 | | | | |

* The "C" and "M" options as described in 7.3.1 preceding are also available with this combination (i.e., 2GS3-C or 2GS3-M).

** The "M" option as described in 7.3.1 preceding is also available with this combination (i.e., 2LS3-M).

ACCESS SERVICE

7. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

| Compatible CIs | | Compatible CIs | | Compatible CIs | | Compatible CIs | |
|---|---|---|---|---|---|---|---|
| 4AH6-D | 4NO2 | 4AH6-D | 4TF2 | 2CT3 | 4SF2 | 4DS9-* | 4AC2 |
| 4AH6-D | 2NO2 | 4AH6-D | 2TF2 | 2CT3 | 4SF3 | 4DS9-* | 2AC2 |
| 4AH6-C | 4NO2 | 4AH6-C | 4TF2 | 2CT3 | 6EB2-E | 4DS9-* | 6DA2 |
| 4AH6-C | 2NO2 | 4AH6-C | 2TF2 | 2CT3 | 6EB2-M | 4DS9-* | 4DA2 |
| 4AH5-B | 4NO2 | 4AH5-B | 4TF2 | 2CT3 | 6EB3-E | 4DS9-* | 2DA2 |
| 4AH5-B | 2NO2 | 4AH5-B | 2TF2 | 2CT3 | 8EB2-E | | |
| | | 2CT3 | 2CT3 | 2CT3 | 8EB2-M | 4DS9-* | 4DE2 |
| 4AH6-D | 4PR2 | 2CT3 | 4DS9-* | 2CT3 | 8EC2 | 4DS9-* | 2DE2 |
| 4AH6-D | 2PR2 | | | 4CT2 | 4DX2 | 4DS9-* | 4DX3 |
| 4AH6-C | 4PR2 | 2CT3 | 6DX2 | 4CT2 | 4DS9-* | 4DS9-* | 4DX2 |
| 4AH6-C | 2PR2 | 2CT3 | 4DX2 | 4CT2 | 4SF2 | | |
| 4AH5-B | 4PR2 | 2CT3 | 4DX3 | 4CT2 | 6EA2-E | | |
| 4AH5-B | 2PR2 | | | 4CT2 | 6EA2-M | | |
| | | 2CT3 | 9DY3 | 4CT2 | 8EB2-E | 4DS9-* | 9DY3 |
| 4AH6-D | 4RV2-T | 2CT3 | 6DY3 | 4CT2 | 8EB2-M | 4DS9-* | 9DY2 |
| 4AH6-D | 2RV2-T | 2CT3 | 9DY2 | 4CT2 | 8EC2 | 4DS9-* | 6DY3 |
| | | | | 6DA2 | 6DA2 | | |
| 4AH6-C | 4RV2-T | 2CT3 | 6DY2 | 6DA2 | 4DA2 | 4DS9-* | 6DY2 |
| 4AH6-C | 2RV2-T | 2CT3 | 4DY2 | 6DA2 | 2DA2 | 4DS9-* | 4DY2 |
| | | | 4DA2 | 4DA2 | | | |
| 4AH5-B | 4RV2-T | 2CT3 | 2DY2 | 4DA2 | 2DA2 | 4DS9-* | 2DY2 |
| 4AH5-B | 2RV2-T | | | 2DA2 | 2DA2 | | |
| | | 2CT3 | 9EA3 | 4DB2 | 6DA2 | 4DS9-* | 9EA2 |
| 4AH6-D | 4SF2 | 2CT3 | 9EA2 | 4DB2 | 4DA2 | 4DS9-* | 9EA3 |
| 4AH6-C | 4SF2 | 2CT3 | 6EA2-E | 4DB2 | 2DA2 | 4DS9-* | 6EA2-E |
| 4AH5-B | 4SF2 | 2CT3 | 6EA2-M | 2DB3 | 2DA2 | 4DS9-* | 6EA2-M |
| 4AH6-D | 4SF3 | 2CT3 | 4EA2-E | 2DB2 | 2DA2 | 4DS9-* | 4EA2-E |
| 4AH6-C | 4SF3 | 2CT3 | 4EA2-M | 4DB2 | 4DB2 | 4DS9-* | 4EA2-M |
| 4AH5-B | 4SF3 | | | 4DB2 | 4NO2 | | |
| | | | | 4DB2 | 4NO2 | | |
| | | | | 2DB2 | 2NO2 | | |
| | | | | 4DB2 | 4PR2 | | |
| | | | | 4DB2 | 2PR2 | | |
| | | | | 2DB2 | 2PR2 | | |
| | | | | 4DD3 | 4DE2 | | |
| | | | | 4DD3 | 2DE2 | | |

* See 7.3.3 preceding for explanation.

ACCESS SERVICE

7. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

| Compatible CIs | | Compatible CIs | | Compatible CIs | |
|---|---|---|---|---|---|
| 4DS9-* | 8EB2-E | 4DS9-* | 4NO2 | 4DX3 | 9DY2 |
| 4DS9-* | 8EB2-M | 4DS9-* | 2NO2 | 4DX2 | 6DY3 |
| 4DS9-* | 6EB2-E | | | 4DX3 | 6DY3 |
| 4DS9-* | 6EB2-M | 4DS9-* | 4PR2 | 4DX2 | 6DY2 |
| | | 4DS9-* | 2PR2 | 4DX3 | 6DY2 |
| 4DS9-* | 2GO2 | | | 4DX2 | 4DY2 |
| 4DS9-* | 2GO3 | 4DS9-* | 4RV2-T | 4DX3 | 4DY2 |
| | | 4DS9-* | 2RV2-T | 4DX2 | 2DY2 |
| 4DS9-* | 6GS2 | 4DS9-* | 2RV3-O | 4DX3 | 2DY2 |
| 4DS9-* | 4GS2 | 4DS9-* | 4SF2 | | |
| 4DS9-* | 2GS2 | 4DS9-* | 4SF3 | 6DX2 | 9EA3 |
| 4DS9-* | 2GS3** | | | 6DX2 | 9EA2 |
| | | 4DS9-* | 4TF2 | 6DX2 | 6EA2-E |
| 4DS9-* | 2LA2 | 4DS9-* | 2TF2 | 6DX2 | 6EA2-M |
| | | | | 6DX2 | 4EA2-E |
| 4DS9-* | 2LB2 | 4DX2 | 4DX2 | 6DX2 | 4EA2-M |
| | | 4DX3 | 4DX2 | 4DX2 | 9EA2 |
| 4DS9-* | 2LC2 | 4DX3 | 4DX3 | 4DX3 | 9EA2 |
| | | | | 4DX2 | 9EA3 |
| 4DS9-* | 2LO2 | 6DX2 | 9DY3 | 4DX3 | 9EA3 |
| 4DS9-* | 2LO3 | 6DX2 | 9DY2 | 4DX2 | 6EA2-E |
| | | 6DX2 | 6DY3 | 4DX3 | 6EA2-E |
| 4DS9-* | 4LR2 | 6DX2 | 6DY2 | 4DX2 | 6EA2-M |
| 4DS9-* | 2LR2 | 6DX2 | 4DY2 | 4DX3 | 6EA2-M |
| | | 6DX2 | 2DY2 | 4DX2 | 4EA2-E |
| 4DS9-* | 6LS2 | 4DX2 | 9DY3 | 4DX3 | 4EA2-E |
| 4DS9-* | 4LS2 | 4DX3 | 9DY3 | 4DX2 | 4EA2-M |
| 4DS9-* | 2LS2 | 4DX2 | 9DY2 | 4DX3 | 4EA2-M |
| 4DS9-* | 2LS3*** | | | | |

* See 7.3.3 preceding for explanation.

** The "C" and "M" options as described in 7.3.1 preceding are also available with this combination (i.e., 2GS3-C or 2GS3-M).

*** The "M" option as described in 7.3.1 preceding is also available with this combination (i.e., 2LS3-M).

ACCESS SERVICE

. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

| Compatible CIs | | Compatible CIs | | Compatible CIs | |
|---|---|---|---|---|---|
| 6DX2 | 8EB2-E | 4DX2 | 6LS2 | 9DY2 | 6DY3 |
| 6DX2 | 8EB2-M | 4DX3 | 6LS2 | 9DY3 | 4DY2 |
| 6DX2 | 6EB2-E | 4DX3 | 4LS2 | 9DY2 | 4DY2 |
| 6DX2 | 6EB2-M | 4DX2 | 4LS2 | 9DY2 | 2DY2 |
| 4DX2 | 8EB2-E | 4DX3 | 2LS3* | 9DY3 | 2DY2 |
| 4DX2 | 8EB2-M | 4DX2 | 2LS3* | 6DY3 | 6DY3 |
| 4DX3 | 8EB2-E | 4DX3 | 2LS2 | 6DY3 | 6DY2 |
| 4DX3 | 8EB2-M | 4DX2 | 2LS2 | 6DY2 | 6DY2 |
| 4DX2 | 6EB2-E | 2DX3 | 2LS2 | 6DY3 | 4DY2 |
| 4DX2 | 6EB2-M | 2DX3 | 2LS3* | 6DY3 | 2DY2 |
| 4DX3 | 6EB2-E | | | 6DY2 | 4DY2 |
| 4DX3 | 6EB2-M | 4DX3 | 4RV2-T | 6DY2 | 2DY2 |
| | | 4DX2 | 4RV2-T | 4DY2 | 2DY2 |
| 4DX2 | 2LA2 | 4DX3 | 2RV2-T | 4DY2 | 4DY2 |
| 4DX3 | 2LA2 | 4DX2 | 2RV2-T | 2DY2 | 2DY2 |
| 2DX3 | 2LA2 | 4DX2 | 2RV3-O | 6EA2-E | 4AC2 |
| | | 6DX2 | 4SF2 | 6EA2-M | 4AC2 |
| 4DX2 | 2LB2 | 4DX2 | 4SF2 | 6EA2-E | 2AC2 |
| 4DX3 | 2LB2 | 4DX3 | 4SF2 | 6EA2-M | 2AC2 |
| 2DX3 | 2LB2 | 4DX2 | 4SF3 | | |
| | | 4DX3 | 4SF3 | 9EA2 | 9DY3 |
| 4DX2 | 2LC2 | | | 9EA2 | 9DY2 |
| 4DX3 | 2LC2 | 9DY3 | 9DY3 | 9EA2 | 6DY3 |
| 2DX3 | 2LC2 | 9DY3 | 9DY2 | 9EA2 | 6DY2 |
| | | 9DY2 | 9DY2 | 9EA2 | 4DY2 |
| 4DX2 | 2LO3 | 9DY3 | 6DY3 | 9EA2 | 2DY2 |
| 4DX3 | 2LO3 | 9DY3 | 6DY2 | 9EA3 | 9DY3 |
| 2DX3 | 2LO3 | 9DY2 | 6DY2 | | |

* The "M" option as described in 7.3.1 preceding is also available with this combination (i.e., 2LS3-M).

ACCESS SERVICE

7. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

| Compatible CIs | | Compatible CIs | | Compatible CIs | |
|---|---|---|---|---|---|
| 9EA3 | 9DY2 | 4EA2-M | 9DY2 | 4EA3-E | 9EA2 |
| 9EA3 | 6DY3 | 4EA2-M | 6DY3 | 4EA3-E | 9EA3 |
| 9EA3 | 6DY2 | 4EA2-M | 6DY2 | 4EA2-M | 4EA2-M |
| 9EA3 | 4DY2 | 4EA2-M | 4DY2 | | |
| 9EA3 | 2DY2 | 4EA2-M | 2DY2 | 9EA2 | 8EB2-E |
| 6EA2-E | 9DY3 | | | 9EA2 | 8EB2-M |
| 6EA2-E | 9DY2 | 9EA2 | 9EA2 | 9EA2 | 6EB2-E |
| 6EA2-E | 6DY3 | 9EA2 | 9EA3 | 9EA2 | 6EB2-M |
| 6EA2-E | 6DY2 | 9EA2 | 6EA2-E | 9EA3 | 8EB2-E |
| 6EA2-E | 4DY2 | 9EA2 | 6EA2-M | 9EA3 | 8EB2-M |
| 6EA2-E | 2DY2 | 9EA2 | 4EA2-E | 9EA3 | 6EB2-E |
| 6EA2-M | 9DY3 | 9EA2 | 4EA2-M | 9EA3 | 6EB2-M |
| 6EA2-M | 9DY2 | 9EA3 | 9EA3 | 6EA2-E | 8EB2-E |
| 6EA2-M | 6DY3 | 9EA3 | 6EA2-E | 6EA2-E | 8EB2-M |
| 6EA2-M | 6DY2 | 9EA3 | 6EA2-M | 6EA2-E | 6EB2-E |
| 6EA2-M | 4DY2 | 9EA3 | 4EA2-E | 6EA2-E | 6EB2-M |
| 6EA2-M | 2DY2 | 9EA3 | 4EA2-M | 6EA2-M | 8EB2-E |
| 4EA2-E | 9DY3 | 6EA2-E | 6EA2-E | 6EA2-M | 8EB2-M |
| 4EA2-E | 9DY2 | 6EA2-E | 6EA2-M | 6EA2-M | 6EB2-E |
| 4EA3-E | 9DY3 | 6EA2-M | 6EA2-M | 6EA2-M | 6EB2-M |
| 4EA3-E | 9DY2 | 6EA2-E | 4EA2-E | 4EA2-E | 8EB2-E |
| 4EA3-E | 6DY3 | 6EA2-E | 4EA2-M | 4EA2-E | 8EB2-M |
| 4EA3-E | 6DY2 | 6EA2-M | 4EA2-E | 4EA3-E | 8EB2-E |
| 4EA3-E | 4DY2 | 6EA2-M | 4EA2-M | 4EA3-E | 8EB2-M |
| 4EA3-E | 2DY2 | 4EA2-E | 4EA2-E | 4EA2-E | 6EB2-E |
| 4EA2-E | 6DY3 | 4EA3-E | 6EA2-E | 4EA2-E | 6EB2-M |
| 4EA2-E | 6DY2 | 4EA3-E | 6EA2-M | 4EA3-E | 6EB2-E |
| 4EA2-E | 4DY2 | 4EA3-E | 4EA2-E | 4EA3-E | 6EB2-M |
| 4EA2-E | 2DY2 | 4EA3-E | 4EA2-M | 4EA2-M | 8EB2-E |
| 4EA2-M | 9DY3 | 4EA2-E | 4EA2-M | | |

ACCESS SERVICE

. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

| Compatible CIs | | Compatible CIs | | Compatible CIs | |
|---|---|---|---|---|---|
| 4EA2-M | 8EB2-M | 9EA3 | 4SF2 | 6EB3-E | 9DY2 |
| 4EA2-M | 6EB2-E | 9EA2 | 4SF2 | 6EB3-E | 9DY3 |
| 4EA2-M | 6EB2-M | 6EA2-E | 4SF3 | 6EB2-E | 6DY2 |
| | | 6EA2-M | 4SF3 | 6EB3-E | 6DY2 |
| 6EA2-E | 2LA2 | 6EA2-E | 4SF2 | 6EB2-E | 6DY3 |
| 6EA2-M | 2LA2 | 6EA2-M | 4SF2 | 6EB3-E | 6DY3 |
| | | 4EA3-E | 4SF2 | 6EB2-E | 4DY2 |
| 6EA2-E | 2LB2 | 4EA2-E | 4SF2 | 6EB3-E | 2DY2 |
| 6EA2-M | 2LB2 | 4EA2-M | 4SF2 | 6EB3-E | 4DY2 |
| | | | | 6EB2-M | 9DY2 |
| 6EA2-E | 2LC2 | 8EB2-E | 4AC2 | 6EB2-M | 9DY3 |
| 6EA2-M | 2LC2 | 8EB2-M | 4AC2 | 6EB2-M | 6DY2 |
| | | 8EB2-E | 2AC2 | 6EB2-M | 6DY3 |
| 6EA2-E | 2LO3 | 8EB2-M | 2AC2 | 6EB2-M | 4DY2 |
| 6EA2-M | 2LO3 | | | 6EB2-E | 2DY2 |
| | | 8EB2-E | 9DY3 | 6EB2-M | 2DY2 |
| 6EA2-E | 6LS2 | 8EB2-E | 9DY2 | | |
| 6EA2-M | 6LS2 | 8EB2-E | 6DY3 | 6EB3-E | 9EA2 |
| 6EA2-E | 4LS2 | 8EB2-E | 6DY2 | 6EB3-E | 9EA3 |
| 6EA2-M | 4LS2 | 8EB2-E | 4DY2 | 6EB3-E | 6EA2-E |
| 6EA2-E | 2LS2 | 8EB2-E | 2DY2 | 6EB3-E | 6EA2-M |
| 6EA2-M | 2LS2 | 8EB2-M | 9DY3 | 6EB3-E | 4EA2-E |
| 6EA2-E | 2LS3* | 8EB2-M | 9DY2 | 6EB3-E | 4EA2-M |
| 6EA2-M | 2LS3* | 8EB2-M | 6DY3 | | |
| | | 8EB2-M | 6DY2 | 8EB2-E | 8EB2-E |
| 6EA2-E | 4RV2-T | 8EB2-M | 4DY2 | 8EB2-E | 8EB2-M |
| 6EA2-M | 4RV2-T | 8EB2-M | 2DY2 | 8EB2-M | 8EB2-M |
| 6EA2-E | 2RV2-T | 6EB2-E | 9DY2 | 8EB2-E | 6EB2-E |
| 6EA2-M | 2RV2-T | | | | |
| 6AE2-E | 2RV3-O | 6EB2-E | 9DY3 | 8EB2-E | 6EB2-M |
| 6AE2-M | 2RV3-O | | | | |

* The "M" option as described in 7.3.1 preceding is also available with this combination.

ACCESS SERVICE

7. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

| Compatible CIs | | Compatible CIs | | Compatible CIs | |
|---|---|---|---|---|---|
| 8EB2-M | 6EB2-E | 8EB2-E | 4RV2-T | 8EC2 | 8EB2-M |
| 8EB2-M | 6EB2-M | 8EB2-M | 4RV2-T | 8EC2 | 6EB2-E |
| 6EB2-E | 6EB2-E | 8EB2-E | 2RV2-T | 8EC2 | 6EB2-M |
| | | 8EB2-M | 2RV2-T | | |
| 6EB2-E | 6EB2-M | 8EB2-E | 2RV3-O | | |
| 6EB3-E | 8EB2-E | 8EB2-M | 2RV3-O | 8EC2 | 4SF2 |
| 6EB3-E | 8EB2-M | 8EB2-E | 4SF2 | | |
| 6EB2-M | 6EB2-M | 8EB2-M | 4SF2 | 6EX2-B | 2G03 |
| | | 8EB2-E | 4SF3 | | |
| 8EB2-E | 2LA2 | 8EB2-M | 4SF3 | 6EX2-A | 6GS2 |
| 8EB2-M | 2LA2 | 6EB3-E | 4SF2 | 6EX2-A | 4GS2 |
| | | 6EB2-E | 4SF2 | 6EX2-A | 2GS2 |
| 8EB2-E | 2LB2 | 6EB2-M | 4SF2 | 6EX2-A | 2GS3** |
| 8EB2-M | 2LB2 | | | | |
| | | 8EC2 | 9DY2 | 6EX2-B | 2LA2 |
| 8EB2-E | 2LC2 | 8EC2 | 9DY3 | | |
| 8EB2-M | 2LC2 | 8EC2 | 6DY2 | 6EX2-B | 2LB2 |
| | | 8EC2 | 6DY3 | | |
| 8EB2-E | 2LO3 | 8EC2 | 4DY2 | 6EX2-B | 2LC2 |
| 8EB2-M | 2LO3 | 8EC2 | 2DY2 | | |
| | | | | 6EX2-B | 2LO2 |
| 8EB2-E | 6LS2 | 8EC2 | 9EA2 | 6EX2-B | 2LO3 |
| 8EB2-M | 6LS2 | 8EC2 | 9EA3 | | |
| 8EB2-E | 4LS2 | 8EC2 | 6EA2-E | 6EX2-B | 4LR2 |
| 8EB2-M | 4LS2 | 8EC2 | 6EA2-M | 6EX2-B | 2LR2 |
| 8EB2-E | 2LS2 | 8EC2 | 4EA2-E | | |
| 8EB2-M | 2LS2 | 8EC2 | 4EA2-M | 6EX2-A | 6LS2 |
| 8EB2-E | 2LS3* | | | 6EX2-A | 4LS2 |
| 8EB2-M | 2LS3* | 8EC2 | 8EB2-E | 6EX2-A | 2LS2 |
| | | | | 6EX2-A | 2LS3 |

* The "M" option as described in 7.3.1 preceding is also available with this combination (i.e., 2LS3-M).

** The "C" and "M" options as described in 7.3.1 preceding are also available with this combination (i.e., 2GS3-C or 2GS3-M).

ACCESS SERVICE

7. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

| Compatible CIs | | Compatible CIs | | Compatible CIs | |
|---|---|---|---|---|---|
| 6EX2-A | 4SF2 | 6LO2 | 6LS2 | 4LR2 | 4SF2 |
| 6EX2-B | 4SF2 | 6LO2 | 4LS2 | 4LR3 | 4SF2 |
| | | 6LO2 | 2LS2 | | |
| 6GO2 | 6GS2 | 6LO2 | 2LS3** | 6LS2 | 2LA2 |
| 6GO2 | 4GS2 | 4LO2 | 6LS2 | 4LS2 | 2LA2 |
| 6GO2 | 2GS2 | 4LO2 | 4LS2 | 4LS3 | 2LA2 |
| 6GO2 | 2GS3* | 4LO3 | 6LS2 | 2LS2 | 2LA2 |
| 4GO2 | 6GS2 | 4LO3 | 4LS2 | 2LS3** | 2LA2 |
| 4GO3 | 6GS2 | 4LO3 | 2LS3** | | |
| 4GO2 | 4GS2 | 4LO3 | 2LS2 | 6LS2 | 2LB2 |
| 4GO3 | 4GS2 | 4LO2 | 2LS2 | 4LS2 | 2LB2 |
| 4GO2 | 2GS2 | 4LO2 | 2LS3** | 4LS3 | 2LB2 |
| 4GO2 | 2GS3* | 2LO3 | 2LS3** | 2LS2 | 2LB2 |
| 4GO3 | 2GS2 | 2LO3 | 2LS2 | 2LS3** | 2LB2 |
| 4GO3 | 2GS3* | 2LO2 | 2LS2 | | |
| 2GO2 | 2GS2 | 2LO2 | 2LS3** | 6LS2 | 2LC2 |
| 2GO3 | 2GS2 | | | 4LS2 | 2LC2 |
| 2GO2 | 2GS3* | 6LO2 | 4SF2 | 4LS3 | 2LC2 |
| 2GO3 | 2GS3* | 4LO2 | 4SF2 | 2LS2 | 2LC2 |
| | | 4LO3 | 4SF2 | 2LS3** | 2LC2 |
| 6GO2 | 4SF2 | | | | |
| 4GO2 | 4SF2 | 4LR3 | 4LR2 | 6LS2 | 2LO3 |
| 4GO3 | 4SF2 | 4LR3 | 2LR2 | 6LS2 | 2LO2 |
| | | 4LR2 | 4LR2 | 4LS2 | 2LO2 |
| 6GS2 | 2GO2 | 4LR2 | 2LR2 | 4LS2 | 2LO3 |
| 4GS2 | 4GO2 | 2LR2 | 2LR2 | 4LS3 | 2LO2 |
| 4GS2 | 2GO2 | 2LR3 | 2LR2 | 4LS3 | 2LO3 |
| 4GS3 | 2G02 | | | | |
| 4GS2 | 2GO3 | | | | |

* The "C" and "M" options as described in 7.3.1 preceding are also available with this combination (i.e., 2GS3-G or 2GS3-M).

** The "M" option as described in 7.3.1 preceding is also available with this combination (i.e., 2LS3-M).

ACCESS SERVICE

7. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

| Compatible CIs | | Compatible CIs | | Compatible CIs | |
|---|---|---|---|---|---|
| 6LS2 | 4SF2 | 4SF3 | 9DY2 | 4SF3 | 2LA2 |
| 4LS3 | 4SF2 | 4SF2 | 9DY3 | | |
| | | 4SF3 | 6DY3 | 4SF2 | 2LB2 |
| 4NO2 | 6DA2 | 4SF2 | 6DY2 | 4SF3 | 2LB2 |
| 4NO2 | 4DA2 | 4SF2 | 6DY3 | | |
| 4NO2 | 2DA2 | 4SF3 | 6DY2 | 4SF2 | 2LC2 |
| 2NO2 | 6DA2 | 4SF2 | 4DY2 | 4SF3 | 2LC2 |
| 2NO2 | 4DA2 | 4SF3 | 4DY2 | | |
| 2NO2 | 2DA2 | | | | |
| 4NO2 | 4DE2 | 4SF3 | 2DY2 | 4SF2 | 2LO3 |
| 4NO2 | 2DE2 | 4SF2 | 2DY2 | 4SF3 | 2LO3 |
| | | | | | |
| 4NO2 | 4NO2 | 4SF3 | 9EA2 | 4SF2 | 2LR2 |
| 4NO2 | 2NO2 | 4SF3 | 9EA3 | 4SF3 | 4LR2 |
| 2NO2 | 2NO2 | 4SF3 | 4EA2-E | 4SF3 | 2LR2 |
| 2NO3 | 2NO2 | 4SF3 | 4EA2-M | | |
| | | | | 4SF3 | 6LS2 |
| 2NO3 | 2PR2 | 4SF3 | 6EB2-E | 4SF2 | 4LS2 |
| | | 4SF3 | 6EB2-M | 4SF3 | 4LS2 |
| 4RV2-O | 4RV2-T | | | 4SF2 | 2LS2 |
| 4RV2-O | 2RV2-T | 4SF2 | 2GO3 | 4SF2 | 2LS3** |
| 2RV2-O | 2RV2-T | | | 4SF3 | 2LS2 |
| 2RV3-O | 4RV2-T | 4SF3 | 6GS2 | 4SF3 | 2LS3** |
| 4RV2-O | 4SF2 | 4SF2 | 6GS2 | | |
| | | 4SF2 | 4GS2 | 4SF3 | 4RV2-T |
| 4SF2 | 4AC2 | 4SF3 | 4GS2 | 4SF2 | 4RV2-T |
| 4SF2 | 2AC2 | 4SF2 | 2GS2 | 4SF2 | 2RV2-T |
| | | | | 4SF2 | 2RV3-O |
| | | 4SF2 | 2GS3* | 4SF3 | 2RV2-T |
| 4SF3 | 9DY3 | 4SF3 | 2GS2 | | |
| 4SF2 | 9DY2 | 4SF3 | 2GS3* | 4SF3 | 4SF3 |
| | | 4SF2 | 2LA2 | | |

* The "C" and "M" options as described in 7.3.1 preceding are also available with this combination (i.e., 2GS3-G or 2GS3-M).

** The "M" option as described in 7.3.1 preceding is also available with this combination (i.e., 2LS3-M).

ACCESS SERVICE

7. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

| Compatible CIs | |
|---|---|
| 6LS2 | 4SF2 |
| 4LS3 | 4SF2 |
| 4NO2 | 6DA2 |
| 4NO2 | 4DA2 |
| 4NO2 | 2DA2 |

ACCESS SERVICE

7. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces (Cont'd)

(D) WATS Access Line Service

| Compatible CIs | | Compatible CIs | | Compatible CIs | |
|---|---|---|---|---|---|
| 4DS9* | 4DS9* | 2LO3 | 4DS9* | 2RV3-0 | 4RV2-0 |
| 2GO3 | 4DS9* | 2LO3 | 2LS2 | 4RV2-0 | 4DS9* |
| 2GO3 | 2GS2 | 2LO3 | 4LS2 | 4RV2-0 | 2RV2-T |
| 2GO3 | 2GS3 | 4LO2 | 4DS9* | 4RV2-0 | 2RV3-T |
| 2GO3 | 4GS3 | 4LO2 | 2LS2 | 4RV2-0 | 4RV2-0 |
| 4GO2 | 4DS9* | 4LO2 | 4LS2 | | |
| 4GO2 | 2GS2 | 2RV3-0 | 4DS9* | | |
| 4GO2 | 2GS3 | 2RV3-0 | 2RV2-T | | |
| 4GO2 | 4GS2 | 2RV3-0 | 2RV3-T | | |

ACCESS SERVICE

7. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces (Cont'd)

(E) Reserved (C)

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7. Special Access Service (Cont'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)

(G) Reserved for Future Use (C)

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(T)

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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)

(H) Reserved for Future Use (C)

(D)
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(D)



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ACCESS SERVICE

7. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces (Cont'd)

(I) Digital Data

| Compatible CIs | | Compatible CIs | | Compatible CIs | | |
|---|---|---|---|---|---|---|
| | | 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 | | | | | |

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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

7.3.5 Compatible Channel Interfaces (Cont'd)

(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 |
| 4DS6-44 | 4DS6-44 | 4DS9-15K | 4DU8-C |
| 4DS6-44 | 6DU8-A,B or C | 4DS9-15K | 4DU8-C |
| 4DS6-44 | 4DU8-A,B or C | | |
| | | | (D) |
| 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 |

(D)
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ACCESS SERVICE

7. Special Access Service (Cont'd)

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

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

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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.

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".

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. (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.

ACCESS SERVICE

7. Special Access Service (Cont'd)

(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

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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ACCESS SERVICE

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)

7.4.1 Types of Rates and Charges (Cont'd)

(A) Monthly Rates (Cont'd)

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

(D)

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

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(B) Reserved (C)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges

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)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(1) Installation of Service

(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.

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)

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.

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 Charges (Cont'd)

Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Access Service to the same customer (i.e., same customer remains responsible for all outstanding indebtedness for the Access Service). Administrative changes are as follows:

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes its name -- e.g., AT&T-Long Lines to AT&T Communications),
- Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of agency authorization,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number,
- Change of jurisdiction, and
- Change of customer-designated circuit identification at customer's request.

All other service changes will be charged for as follows:

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

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

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 (Cont'd)

- If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade channel termination rate element first nonrecurring change charge will apply. The charge will apply per service termination affected.

- If the change involves the addition of B8ZS and/or ESF options to an existing high capacity DS1 service, or the addition of a B8ZS to an existing high capacity DS3 service, a charge equal to the channel termination first non-recurring change charge will apply for each channel termination converted. This rate application does not apply when either of these options are initially ordered with the service.

- A change from a two-point Special Access Service without bridging to multipoint service or from a multipoint to two-point Special Access Service without bridging will be treated as discontinuance and installation of service.

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- For all other changes, including the addition of optional features without separate nonrecurring charges, a charge equal to a channel termination rate element first nonrecurring change charge will apply. Only one such charge will apply per service, per charge.

- For changes involving the screening, or other end office features, associated with WATS Access Line Service, the following charge applies:

| Rate | USOC |
|---|---|
| The rearrangement charge specified in 6.8.1(C)(3) preceding. | NRBCX |

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)

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.

ACCESS SERVICE

7. Special Access Service (Cont'd)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Surcharge for Special Access Service

(A) General

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

(B) Application

(1) The Special Access Surcharge will apply to each interstate Special Access Service that terminates on an end user's PBX or other device where, through a function of the device, the Special Access Service interconnects to the local exchange network. Interconnection functions include but are not limited to wiring and software functions, bridging, switching or patching of calls or stations. The Surcharge will apply irrespective of whether the interconnection function is performed in equipment located at the customer's premises or in a Centrex Co-type switch.

(2) Special Access Service will be exempted from the Surcharge by the Telephone Company upon receipt of the customer's written certification for the following Special Access Service terminations:

(a) an open-end termination in a Telephone Company switch of an FX line, including CCSA and CCSA-equivalent ONALs; or

(b) an analog channel termination that is used for radio or television program transmission; or

(c) a termination used for TELEX service; or

(d) a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines; or

(e) a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges* such as, where the private line facility access only FGA and no local exchange lines, or private line facility between customer points of termination, or private line facility connecting CCSA or CCSA-type equipment (inter-machine trunks); or

* Resellers of WATS Access Line Service may be exempted from paying CCL Charges during the transition period of June 1, 1986 to January 1, 1987. However, they must certify for exemption of the Special Access Surcharge on the WAC.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Surcharge for Special Access Service (Cont'd)

(B) Application (Cont'd)

(f) a termination that the customer certifies to the Telephone Company is not connected to a PBX or other device that has not been blocked by either hardware or software partitioning restrictions from connecting the private line facility to a local exchange subscriber line.

(g) A termination of WATS Access Line Service which is used for resold WATS.

(C) Exemption of Special Access Service

(1) Special Access Services which are terminated as set forth in 7.4.2(B) preceding will be exempted from the Special Access Surcharge if the customer provides the Telephone Company with written exemption certification. The certification may be provided to the Telephone Company (1) at the time the Special Access Service is ordered or installed; (2) at such time as the service is reterminated to a device incapable of interconnection to local exchange facilities, or (3) at such time as the service becomes associated with a Switched Access Service that is subject to Carrier Common Line Charges.

(2) The exemption certification is to be provided by the customer ordering the services. The certification must be signed by the customer or authorized representative and include the category of exemption, as set forth in 7.4.2 (B) (3) preceding, for each termination, and the date which the exemption is effective.

(3) The customer shall also notify the Telephone Company when an exempted Special Access Service is changed or reterminated such that the exemption is no longer applicable.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Surcharge for Special Access Service (Cont'd)

(C) Exemption of Special Access Service (Cont'd)

(4) The Telephone Company will work cooperatively with the customer to resolve any questions regarding the exemption certification. However, the Telephone Company reserves the right to request additional information from the customer, when necessary, to assure qualifications for exemption of the Surcharge are met. In addition, the Telephone Company may withhold exemption of the service until the dispute is resolved.

(5) Any WATS resellers who had WATS lines in service as of March 13, 1986 will be exempted from the Special Access Surcharge for those lines only during the transition period of June 1, 1986 to January 1, 1987.

(D) Rate Regulations

(1) The Surcharge applies to each channel of a Special Access Service and per voice grade equivalent service derived from a Special Access Service as shown in the following example:

| Special Access Service | Voice Grade Equivalent | | Surcharge | | Monthly Charge |
|---|---|---|---|---|---|
| DS1 | 24 | X | $25 | = | $600.00 |

One Surcharge will apply for each termination of a multipoint Special Access Service at a customer's designated premises.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.2 Surcharge for Special Access Service (Cont'd)

(D) Rate Regulations (Cont'd)

(2) The Telephone Company will bill the appropriate Special Access Surcharge to the ordering customer for each interstate Special Access Service installed unless exemption certification is provided as set forth in 7.4.2 (C) preceding.

(3) If a written certification is not received at the time the Special Access Service is obtained, the Surcharge will be applied. Exempt status will become effective on the certification date indicated by the customer, subject to the regulations set forth in (4) following.

(4) Crediting the Surcharge

Payment of any Special Access Surcharge billed on WATS Access Lines, in service as of June 1, 1986, may be deferred, without penalty, for up to ninety (90) days from the date of the first bill rendered for the Special Access Surcharge.

If appropriate exemption certification is not received by the Telephone Company by the end of the ninety (90) days deferral period, the billed Special Access Surcharges will become due. These charges, if unpaid, will be subject to a late payment charge as set forth in Section 2.4.1 (B)(2) preceding.

The Telephone Company will cease billing the Special Access Surcharge when certification, as set forth in 7.4.2 (C) preceding, is received. If the status of the Special Access Service was changed prior to receipt of the exemption certification, the Telephone Company will credit the customer's account, not to exceed ninety (90) days, based on the effective date of the change as specified by the customer in the letter of certification.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.3 Message Station Equipment Recovery Charge

The Message Station Equipment Recovery Charge is a charge to recover that portion of message station equipment that is assigned to Special Access Service.

Pursuant to CC Docket No. 83-1145 Memorandum Opinion and Order adopted by the Federal Communications Commission on November 8, 1984 and released on November 9, 1984, this charge is assessed only to those customers to which the Special Access Surcharge applies. The rate for the Message Station Equipment Recovery Charge is set forth in 7.5.13 following.

Payment of any Message Station Equipment Recovery Charge billed on WATS Access Lines, in service as of June 1, 1986, may be deferred, without penalty, for up to ninety (90) days from the date of the first bill rendered for the Message Station Equipment Recovery Charge.

If appropriate exemption certification is not received by the Telephone Company by the end of the ninety (90) days deferral period, the billed Message Station Equipment Recovery Charge will become due. These charges, if unpaid, will be subject to a late payment charge as set forth in Section 2.4.1 (B)(2) preceding.

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)

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(D)

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(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)

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(D)

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.4 Minimum Periods (Cont'd)

(C) The minimum service period for Verizon Optical Networking is set forth in 7.2.20(E).

(D) The minimum service period for a service that is included in a Commitment Discount Plan is specified in Section 25.1.10 following. (T) (T)

(E) The minimum service period for a Special Access DS3 Service or a Special Access DS1 Service that is included in the National Discount Plan is specified in Section 25.3.8 following. (N) | (N)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.5 Moves

A move involves a change in the physical location of the customer's premises which also involves a connection to a different rate demarcation point.

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

(A) Moves Within the Same Building

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

(B) Moves To a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period and/or Service Discount Plan requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period and/or termination liability charges for the discontinued service except as specified in 25.2.5 following.

Certain material previously found on this page can now be found on Original Page 7-178.1.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.6 Reserved for Future Use (C)

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(D)

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)
(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)
(D)

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) | (C) (C) | (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) | | | | | | | | (D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.8 Shared Use Digital High Capacity Services

Shared use occurs when Special Access Service and Switched Access Service are provided over the same High Capacity Special Access facility through a common interface ("Shared Use"). (T) (T)

The Shared Use facility will be ordered, provisioned and rated as Special Access Service (i.e., Channel Termination, Channel Mileage as appropriate, and Multiplexer and a terminating channelized individual service by Channel Type, and Channel Mileage, as appropriate), regardless of whether individual channels of the Shared Use facility are used for Special Access Service, Switched Access Service, or any other type of service. The practice known as "ratcheting" (to apply non-Special Access rates on a proportional basis) shall not apply in any circumstance. In certain Shared Use cases, the customer for the Special Access Service and Switched Access Service may be different. A Switched Access customer may, with proper authorization, order Switched Access directly to the Special Access customer's DS1 to VG multiplexer. In situations where the Switched Access order consists of 24 same Line-side or Trunk-side Switched Access connections between the same End Office and/or Tandems, the Switched Access customer may, with proper authorization, order directly to a DS1 port on a DS3 multiplexer. (C) (C) (C) (D) (D)

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)

(D)

(D)

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.

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

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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.

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.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.11 WATS Access Line Service#

A WATS Access Connection is only provisioned between a customer's premises and a WATS Serving Office (WSO) and there is only one application of the WATS Access Connection Charge. However, there can be additional secondary connections (USOC XEE), which are individual WACs and each will receive the same WAC Connection Charge. These WAC Secondary Connections must always be provisioned via C.O. Bridging.

7.4.12 Reserved for Future Use (C)

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(D)

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



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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

(D)

(D)

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#. (T)

The minimum service period for DS3 is 12 months.

At the end of a term plan, the customer will not be eligible to receive discounted monthly rates. Non-discounted Month-to-Month rates will apply. (D)

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 disconnects the service will be treated as having terminated the service. (D)

(D)
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(D)

# 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.

Effective November 15, 2022, orders for new 3-Year DS3 TPPs are no longer permitted. Subject to Section 1.1. preceding, the Telephone Company will continue to provide 3-Year DS3 TPPs pursuant to this Section 7.4.13 on any existing 3-Year DS3 TPP that was in-service as of November 15, 2022, or any order for 3-Year DS3 TPP that was placed with the Telephone Company prior to November 15, 2022 (collectively, Existing 3-Year DS3 TPPs), subject to the following conditions: (N)

- The Telephone Company will continue to provide Existing 3-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 3-Year DS3 TPP is not permitted.
- Moves and changes are permitted provided that they do not require a new commitment period.

In light of the above, Month-to-Month is the only DS3 TPP that remains available effective as of November 15, 2022. All references in this tariff to DS3 TPPs other than Month-to-Month are intended as references to any such DS3 TPPs that were grandfathered under the above provisions. Any such references may not be interpreted to mean new DS3 TPPs other than Month-to-Month are available or that expiring DS3 TPPs other than Month-to-Month may be renewed or extended. (N)

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 charged 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. (C)

| | |
|---|---|
| 3-Year# | 10% |
| 5-Year# | 35% |

(T)

# 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

(D)

A request to disconnect DS3 High Capacity Service in order to replace it with a Replacing Service pursuant to the Technology Migration regulations set forth in Section 2.9 preceding.

(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)

7.4.13 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. (D)

(D)

(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)

7.4.13 DS3 High Capacity Services# (Cont'd)

(D) Discontinuance With Liability

For service discontinued prior to completion of the minimum service period, the customer will be liable for 100% of the total monthly charges for the unexpired portion. Total monthly charges are calculated based upon the rate band determined in the last count taken.

DS3 Term Pricing Plans are provided in conjunction with an Early Termination Provision (ETP) agreement.

(1) DS3 Term Pricing Plans established or renewed prior to January 1, 2021 (N) (N)

ETP is calculated using either of the following options that provides the customer with the lowest termination liability.

Option I

- In addition to the minimum period liability of 100%, the customer will be liable for 15% of the total monthly charges for the remaining portion of the term plan.

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

7. Special Access Service (Cont'd)
7.4 Rate Regulations (Cont'd)
7.4.13 DS3 High Capacity Services# (Cont'd)
(D) Discontinuance With Liability (Cont'd)
(1) DS3 Term Pricing Plans established or renewed prior to January 1, 2021

Option II

In addition to the minimum period liability of 100%, the following applies:

- Where there is neither a basic Month-to-Month rate nor a TPP period less than the actual time the service has been in effect, Option 1 applies.

- Where there is no TPP period less than the actual time the service has been in effect, the termination liability charge will be the difference between the full basic Month-to-Month rate and the selected TPP monthly rate for the period the plan has been in effect after the minimum period.

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

(2) DS3 Term Pricing Plans established or renewed on or after January 1, 2021

Termination liability is calculated at fifty percent (50%) of the MRCs for the remainder of the TPP period after the Minimum Period. Termination liability applies in addition to any Minimum Period obligation specified in Section 5.2.5 preceding which may be applicable.

(D)
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(D)

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

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.14 Shared Network Arrangement

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 will apply for handling 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. (D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.15 Reserved for Future Use (C)

(D)

(D)



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7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

(D)
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7. Special Access Service (Cont'd)

(D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)
7.4 Rate Regulations (Cont'd)
7.4.17 Digital Data and DS1 High Capacity Services#, ##
(A) Basic Service

The minimum service period for basic Digital Data Service (DDS) and DS1 High Capacity Service (DS1) is two months. When service is disconnected prior to the expiration of the minimum period, charges are applicable for the balance of the two-month minimum period.

(D)
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(D)

(B) Term Pricing Plans are pricing options applicable to customers who are subscribed to specific longer term commitment periods in exchange for reduced monthly rates. (C) (C)

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

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.

(1) TPPs for Digital Data Services are available in 2, 3, and 5-year commitment periods. (D)

# 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:

- 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:

- 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.

Effective November 15, 2022, orders for new 2- or 3-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 2- and 3-Year DS1 High Capacity TPP that was in-service as of November 15, 2022, or any order for 2- or 3-Year DS1 High Capacity TPP that was placed with the Telephone Company prior to November 15, 2022 (collectively, Existing 2- and 3-Year DS1 TPPs), subject to the following conditions: (N)

- The Telephone Company will continue to provide Existing 2- and 3-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 2- or 3-Year DS1 TPP is not permitted.
- Moves and changes are permitted provided that they do not require a new commitment period.

In light of the above, month-to-month service is the only option that remains available as of November 15, 2022. All references in this tariff to DS1 TPPs are intended as references to any such DS1 TPPs that were grandfathered under the above provisions. Any such references may not be interpreted to mean new DS1 TPPs are available or that expiring DS1 TPPs may be renewed or extended. (N)

(Issued under Transmittal No. 1431)

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: (T)(x)
- Digital Data Service plans are applicable to channel terminations and channel mileage. (M)
Channel Terminations other than End User Channel Terminations in Non-Competitive Counties and channel mileage are detariffed. (C)
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. (C)(M)(M)(D)(D)(x)

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

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

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. (D) (C) | | | | (C) (D)

(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. (C) (C) (T)

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

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

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.

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

(5) Termination liability for the portion of the service under this tariff is assessed on Non-Competitive End User Channel Terminations.

# 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)

(D)

(D)

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.

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 (Cont'd)

(4) DS1 High Capacity TPPs established or renewed prior to January 1, 2021 and Digital Data Services TPPs (N) | (N)

The termination liability charge is calculated as set forth in (a) or (b) following: when calculating termination liability charges, the Telephone Company will apply the option which provides the customer with the lowest termination liability charge.

(a) Option I

For services discontinued within the first year, the customer will be liable for 100% of the total monthly charges for the unexpired portion of the initial 12 months, and 15% of the total monthly charges for the remainder of the TPP commitment period.

For services discontinued after the first 12 months of a plan, customers will be liable for 15% of the total monthly charges for the remaining portion of their Term Pricing Plan commitment period.

(b) Option II

For services discontinued within the first year and prior to the end of the selected commitment period, the termination liability charge will be the difference between the full Basic monthly rates and the TPP monthly rates for the period the plan has been in effect.

For services discontinued after the first 12 months of a plan but prior to the end of the selected commitment period, the following applies:

- Where there is no TPP period less than the actual time the services have been in effect the termination liability charge will be the difference between the full Basic monthly rates and the selected TPP monthly rates for the period the plan has been in effect.

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

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 (Cont'd)

(4) DS1 High Capacity TPPs established or renewed prior to January 1, 2021 and Digital Data Services TPPs (Cont'd) (N) | (N)

(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) DS1 High Capacity TPPs established or renewed on or after January 1, 2021 (N) | |

Termination liability is calculated at fifty percent (50%) of the MRCs for the remainder of the TPP period after the Minimum Period. Termination liability applies in addition to any Minimum Period obligation specified in Section 5.2.5 preceding which may be applicable. | | | | (N)

(D) | | | | (D)

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

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)

(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. (D)

(D)

# 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)
(E) TPP Termination Without Liability (Cont'd)

(D)

(D)

(2) A request to disconnect DS1 High Capacity Service in order to replace it with a Replacing Service pursuant to the Technology Migration regulations set forth in Section 2.9 preceding. (T)

(D)

(D)

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

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

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

(F) Additions to TPPs

Customers with existing Term Pricing Plans who wish to increase the number of their DDS or DS1 services have the following option: (T)

- Subscribe to the additional services under the basic payment plan.

(D)
|
(D)

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

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)
(G) Reserved for Future Use (C)

(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)

(D)

(D)



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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

(D)

(D)



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7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)
7.4 Rate Regulations (Cont'd)
7.4.18 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)

(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. (T) (C) (C) (D)

(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. (D) (T)

(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)

# 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.

(Issued under Transmittal No. 1400)

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)

# Service availability limited. Refer to # footnote on Page 7-222.

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. (C) | (C)

(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.

# Service availability limited. Refer to # footnote on Page 7-222.

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) (T)

(C) TPP Termination Liability (Cont'd)

(3) (Cont'd)

(a) Option I

For services discontinued within the first year, the customer will be liable for 100% of the total monthly charges for the unexpired portion of the initial 12 months, and 15% of the total monthly charges for the remainder of the TPP commitment period.

For services discontinued after the first 12 months of a plan, customers will be liable for 15% of the total monthly charges for the remaining portion of their Term Pricing Plan commitment period.

(b) Option II

For services discontinued within the first year, the termination liability charge will be the difference between the full Basic monthly rates and the TPP monthly rates for the period the plan has been in effect.

For services discontinued after the first 12 months of a plan but prior to the end of the selected commitment period, the following applies:

- Where there is no TPP period less than the actual time the services have been in effect the termination liability charge will be the difference between the full Basic monthly rates and the selected TPP monthly rates for the period the plan has been in effect.

- 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.

# Service availability limited. Refer to # footnote on Page 7-222. (N)

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)

# Service availability limited. Refer to # footnote on Page 7-222.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

(D)

(D)

7.4.19 Commitment Discount Plans

(A) Reserved. (C) (D)

(D)

(B) When a newly installed service is added to a Commitment Discount Plan, the channel termination nonrecurring charge which applies is $1.00.

(C) 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)

7.4 Rate Regulations (Cont'd)

(D)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

(D)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

(D)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

(D)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

(D)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

(D)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

(D)

(D)

(D)

ACCESS SERVICE

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

(D)

(D)

ACCESS SERVICE

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

(D)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

(D)

(D)

(D)



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7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

(D)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

(D)

(D)

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(D)

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ACCESS SERVICE

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

(D)

(D)

(D)

ACCESS SERVICE

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

(D)

(D)

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ACCESS SERVICE

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

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ACCESS SERVICE

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

(D)

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(D)

ACCESS SERVICE

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

(D)

(D)

(D)

ACCESS SERVICE

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

(D)

(D)

(D)



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ACCESS SERVICE

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) (D)

(D)

(D)



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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd) (D)

(D)

(D)



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7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd) (D)

(D)

(D)



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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd) (D)

(D)

(D)



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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd) (D)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd) (D)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd) (D)

(D)

(D)



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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

(D)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd) (D)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd) (D)

(D)

(d)

ACCESS SERVICE

7. Special Access Service (Cont'd)
7.5 Rates and Charges (Cont'd)
7.5.1 Reserved for Future Use (C)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.2 Reserved for Future Use (C)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

(D)

(D)

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)
7.5 Rates and Charges (Cont'd)
7.5.3 Voice Grade Service#

| | USOC | Monthly Rates | |
|---|---|---|---|
| (A) Channel Termination - per point of termination | | | |
| (1) Payment Plan## | | | |
| - Two-Wire | | | |
| Basic (month-to-month) | | | |
| Price Cap | T6E2X | $35.99 | (I) |
| 3-Year TPP | | | |
| Price Cap | TZ4SA | 25.03 | |
| 5-Year TPP | | | |
| Price Cap | TZ4GA | 23.00 | |
| - Four-Wire | | | |
| Basic | | | |
| Price Cap | T6E4X | 71.17 | (I) |
| 3-Year TPP | | | |
| Price Cap | TZ4SB | 51.19 | |
| 5-Year TPP | | | |
| Price Cap | TZ4GB | 48.50 | |

# Service availability limited. Refer to # footnote on Page 7-19.
## Service availability limited. Refer to # footnote on Page 7-222.



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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)
(A) Channel Termination (Cont'd)
- per point of termination
(2) Nonrecurring Charges

| | USOC | First | Additional | |
|---|---|---|---|---|
| - Two-Wire Installation/Change Price Cap | | $266.72 | $195.50 | (D) (D) |
| - Four-Wire Installation/Change Price Cap | | $379.77 | $272.96 | (D) (D) |

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

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

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

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

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

(D)

(D)

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 (Cont'd)

(1) Bridging (Cont'd)

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

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

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

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

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 (Cont'd)

(1) Bridging (Cont'd)

(e) Telemetry and Alarm Bridging

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

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



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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)

| | USOC | Monthly Rates | Nonrecurring Charges | |
|---|---|---|---|---|
| (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) |

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

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 (Cont'd)

| | USOC | Monthly Rates | Nonrecurring Charges | |
|---|---|---|---|---|
| (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.
# Service availability limited. Refer to # footnote on Page 7-19.



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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 (Cont'd)

| | USOCs | Monthly Rates | Nonrecurring Charges | |
|---|---|---|---|---|
| (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

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

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 (Cont'd)

| | USOC | Monthly Rates | Nonrecurring Charges | |
|---|---|---|---|---|
| (8) Reserved | | | | (C) (D) (D) |
| (9) Reserved | | | | (C) (D) (D) |

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

ACCESS SERVICE

7. Special Access Service (Cont'd)
7.5 Rates and Charges (Cont'd)
7.5.3.1 WATS Access Line Service#

| | USOC | Monthly Rates | |
|---|---|---|---|
| (A) WATS Access Connection (WAC) -Per point of termination | | | |
| Two-Wire | X2W/XEE2X | | |
| Price Cap | | $ 40.89 | (I) |
| Four-Wire | X4W/XEE4X | | |
| Price Cap | | $ 81.74 | (I) |

| Nonrecurring Charges -Per point of termination | First | Additional |
|---|---|---|
| -Two-Wire Installation/Charge | | |
| Price Cap | $266.72 | $195.50 |
| -Four-Wire Installation/Change | | |
| Price Cap | $379.77 | $272.96 |

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



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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)

7.5.3.1 WATS Access Line Service#

(D)

| (B) Optional Features and Functions | USOC | Monthly Rates | Nonrecurring Charges | (T) |
|---|---|---|---|---|
| (1) Bridging | | | | |
| (a) WAC Bridging, Per port | | | | |
| - Two-Wire Price Cap | BCNV2 | $37.50 | None | (D) |
| - Four-Wire Price Cap | BCNV4 | 25.00 | None | (D) |
| (2) Improved Two-Wire Transmission Specifications* - 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)
\# Service availability limited. Refer to # footnote on Page 7-29.

ACCESS SERVICE

7. Special Access Service (Cont'd)
7.5 Rates and Charges (Cont'd)
7.5.4 Reserved for Future Use (C) (D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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)

7.5.5 Reserved for Future Use (C)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

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7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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)

7.5.6 Reserved for Future Use (C) (D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.7 Reserved for Future Use (C) (D)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

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(T)
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ACCESS SERVICE

7. Special Access Service (Cont'd)
7.5 Rates and Charges (Cont'd)
7.5.8 Digital Data Service#
(A) Channel Termination
- Per point of termination

| | USOC | Monthly Rates | Nonrecurring Charges First | Nonrecurring Charges Additional | |
|---|---|---|---|---|---|
| 2.4 kbps Price Cap | TNTM2/T6ECS* | $154.23 | | | (I) |
| 4.8 kbps Price Cap | TNTM2/T6ECS* | $171.52 | | | (I) |
| 9.6 kbps Price Cap | TNTM2/T6ECS* | $188.84 | | | (I) |
| 19.2 kbps Price Cap | TNTM2/T6ECS* | $205.49 | | | (I) |
| 56.0 kbps Price Cap | TNTM2/T6ECS* | $228.20 | | | (I) |
| 64.0 kbps Price Cap | TNTM2/T6ECS* | $240.86 | | | (I) |
| Installation/Change Price Cap | TNTM2/T6ECS* | | $200.00 | $120.00 | |

*** 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/NRBBG USOC cannot be used.**

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

ACCESS SERVICE

7. Special Access Service (Cont'd)

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)

7.5.8 Digital Data Service# (Cont'd)

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

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



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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.8 Digital Data Service# (Cont'd)

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

| | USOC | Monthly Rates | Nonrecurring Charges | |
|---|---|---|---|---|
| (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) |

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



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ACCESS SERVICE

7. Special Access Service (Cont'd)

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
(A) Channel Termination
- Per point of termination

| | USOC | Monthly Rates | Nonrecurring Charges First | Nonrecurring Charges Additional | |
|---|---|---|---|---|---|
| (1) Basic Service | | | | | |
| a) Electrical Interface | | | | | |
| 1.544 Mbps/DS1 | | | | | |
| Rate Zone 1 | TMECS | $298.10 | | | (I) |
| Rate Zone 2 | TMECS | 330.12 | | | (I) |
| Rate Zone 3 | TMECS | 350.30 | | | (I) |
| Installation/Change | | | | | |
| Rate Zone 1 | | | $355.00 | $220.00 | |
| Rate Zone 2 | | | 355.00 | 220.00 | |
| Rate Zone 3 | | | 355.00 | 220.00 | |

ACCESS SERVICE

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

| | USOC | Monthly Rate, Per CT | Nonrecurring Charge | |
|---|---|---|---|---|
| Per DS3 CT at each Secondary Premises | TYFLS | $2,767.80 | $355.00 | (I) |



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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)

(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

| | USOC | Monthly Rate, Per CT | Nonrecurring Charge | |
|---|---|---|---|---|
| Per DS3 CT at each Secondary Premises | TYFLS | $2,906.20 | $355.00 | (I) |

ACCESS SERVICE

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

| | USOC | Monthly Rate, Per CT | Nonrecurring Charge | |
|---|---|---|---|---|
| Per DS3 CT at each Secondary Premises | TYFLS | $3,044.59 | $355.00 | (I) |



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ACCESS SERVICE

7. Special Access Service (Cont'd)

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)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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)

(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

| | USOC | Monthly Rate, Per CT | Nonrecurring Charge | |
|---|---|---|---|---|
| Per DS3 CT at each Secondary Premises | TYF8S | $2,767.80 | $355.00 | (I) |

ACCESS SERVICE

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, Base Rates

| | USOC | Monthly Rate, Per CT | Nonrecurring Charge | |
|---|---|---|---|---|
| Per DS3 CT at each Secondary Premises | TYF8S | $2,906.20 | $355.00 | (I) |



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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)

(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

| | USOC | Monthly Rate, Per CT | Nonrecurring Charge | |
|---|---|---|---|---|
| Per DS3 CT at each Secondary Premises | TYF8S | $3,044.59 | $355.00 | (I) |

ACCESS SERVICE

7. Special Access Service (Cont'd)

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)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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)

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7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

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7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

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7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

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7. Special Access Service (Cont'd)

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)

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7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

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7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

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7. Special Access Service (Cont'd)

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)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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)

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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) Channel Mileage (Cont'd)

(1) Basic Service and Month-to-Month (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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)

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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)

| | USOC | Monthly Rates | Nonrecurring Charges | |
|---|---|---|---|---|
| (B) Optional Features and Functions (Cont'd) | | | | (T) |
| | | | | (D) |
| | | | | (D) |
| (1) Shared Network Arrangement | | | | (T) |
| - Processing Charge Per Service Order | | | | |
| Price Cap | NRBOP | None | 50.00 | (D) |
| | | | | (D) |
| | | | | (D) |
| | | | | (D) |



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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.9 High Capacity Service (Cont'd)

(B) Optional Features and Functions

(2) Alternate Serving Wire Center

| | USOC | Monthly Rates | Nonrecurring Charges | |
|---|---|---|---|---|
| 1.544 Mbps/DS1, per point of termination | | | | (D) |
| Rate Zone 1 | A1VXZ | $25.00 | None | |
| Rate Zone 2 | A1VXZ | 25.00 | None | |
| Rate Zone 3 | A1VXZ | 25.00 | None | |
| 44.736 Mbps/DS3, 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 | |
| - 3 Year RSPP | | | | |
| Rate Zone 1 | A1VXF | 225.00 | None | |
| Rate Zone 2 | A1VXF | 225.00 | None | |
| Rate Zone 3 | A1VXF | 225.00 | None | |
| - 5 Year RSPP | | | | |
| Rate Zone 1 | A1VXG | 200.00 | None | |
| Rate Zone 2 | A1VXG | 200.00 | None | |
| Rate Zone 3 | A1VXG | 200.00 | None | |

ACCESS SERVICE

7. Special Access Service (Cont'd)

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)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.10 Reserved for Future Use (C)

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7.5.11 Reserved for Future Use

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.12 Reserved for Future Use (C)

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7. Special Access Service (Cont'd)

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

| | USOC | Monthly Rate | |
|---|---|---|---|
| Message Station Equipment Recovery Charge | UTM | | |
| - Per Special Access Surcharge Assessed, Price Cap | | $ 4.50 | (D) |

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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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.16 Term Pricing Plans

(A) 2-year Commitment Period - DDS Price Cap#

| Service | USOC | Monthly Rate | |
|---|---|---|---|
| 2.4 kbps DDS Per Channel Termination | TNJ3X*/TNTT2 | $ 94.76 | (I) |
| 4.8 kbps DDS Per Channel Termination | TNJ4X*/TNTT2 | 112.01 | (I) |
| 9.6 kbps DDS Per Channel Termination | TNJ5X*/TNTT2 | 129.23 | (I) |
| 19.2 kbps DDS Per Channel Termination | TNJ6X*/TNTT2 | 146.51 | (I) |
| 56 kbps DDS Per Channel Termination | TNJ7X*/TNTT2 | 163.71 | (I) |
| 64 kbps DDS Per Channel Termination | TNJWX*/TNTT2 | 180.93 | (I) |

| Nonrecurring Charges - Per Channel Termination | First | Additional |
|---|---|---|
| Installation/Change | $200.00 | $120.00 |

* Effective January 31, 2002, services associated with these TNJ USOCs are no longer available for new service requests. However, the Company may still use the USOC in instances where the TNT USOC cannot be used.

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

ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)
7.5 Rates and Charges (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.16 Term Pricing Plans (Cont'd)

(A) 2-year Commitment Period – DS1#

| Service | USOC | Monthly Rate | Nonrecurring Charges First | Nonrecurring Charges Additional | |
|---|---|---|---|---|---|
| Per Channel Termination | | | | | |
| 1.544 Mbps/DS1 | | | | | |
| Rate Zone 1 | TNJZX | $253.39 | | | (I) |
| Rate Zone 2 | TNJZX | 280.60 | | | (I) |
| Rate Zone 3 | TNJZX | 297.76 | | | (I) |
| Installation/Change | | | | | |
| Rate Zone 1 | | | $ 355.00 | $220.00 | |
| Rate Zone 2 | | | 355.00 | 220.00 | |
| Rate Zone 3 | | | 355.00 | 220.00 | |

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



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ACCESS SERVICE

7. Special Access Service (Cont'd)

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)

7.5.16 Term Pricing Plans (Cont'd)

(B) 3-year Commitment Period – DDS Price Cap#

| Service | USOC | Monthly Rate | |
|---|---|---|---|
| 2.4 kbps DDS Per Channel Termination | TNJJX*/TNTN2 | $86.18 | (I) |
| 4.8 kbps DDS Per Channel Termination | TNJLX*/TNTN2 | 103.39 | (I) |
| 9.6 kbps DDS Per Channel Termination | TNJNX*/TNTN2 | 112.01 | (I) |
| 19.2 kbps DDS Per Channel Termination | TNJQX*/TNTN2 | 120.64 | (I) |
| 56 kbps DDS Per Channel Termination | TNJSX*/TNTN2 | 127.95 | (I) |
| 64 kbps DDS Per Channel Termination | TNJUX*/TNTN2 | 146.51 | (I) |

| Nonrecurring Charges - Per Channel Termination | First | Additional |
|---|---|---|
| Installation/Change | $200.00 | $120.00 |

* Effective January 31, 2002, the services associated with these TNJ USOCs are no longer available for new service requests. However, the Company may still use the USOC in instances where the TNT USOC cannot be used

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



Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

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

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.16 Term Pricing Plans (Cont'd)

(B) 3-year Commitment Period – DS1#

| Service | USOC | Monthly Rate | Nonrecurring Charges First | Nonrecurring Charges Additional | |
|---|---|---|---|---|---|
| Per Channel Termination | | | | | |
| 1.544 Mbps/DS1 | | | | | |
| Rate Zone 1 | TNT3X | $223.58 | | | (I) |
| Rate Zone 2 | TNT3X | 247.59 | | | (I) |
| Rate Zone 3 | TNT3X | 262.73 | | | (I) |
| Installation/Change | | | | | |
| Rate Zone 1 | | | $355.00 | $220.00 | |
| Rate Zone 2 | | | 355.00 | 220.00 | |
| Rate Zone 3 | | | 355.00 | 220.00 | |

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



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1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

7. Special Access Service (Cont'd)

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ACCESS SERVICE

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7.5.16 Term Pricing Plans (Cont'd)

(C) 5-year Commitment Period – DDS Price Cap#

| Service | USOC | Monthly Rate | |
|---|---|---|---|
| 2.4 kbps DDS<br>Per Channel Termination | TNJKX*/TNTP2 | $ 77.55 | (I) |
| 4.8 kbps DDS<br>Per Channel Termination | TNJMX*/TNTP2 | 86.18 | (I) |
| 9.6 kbps DDS<br>Per Channel Termination | TNJPX*/TNTP2 | 94.76 | (I) |
| 19.2 kbps DDS<br>Per Channel Termination | TNJRX*/TNTP2 | 100.39 | (I) |
| 56 kbps DDS<br>Per Channel Termination | TNJTX*/TNTP2 | 104.43 | (I) |
| 64 kbps DDS<br>Per Channel Termination | TNJVX*/TNTP2 | 120.64 | (I) |

| Nonrecurring Charges<br>- Per Channel Termination | First | Additional |
|---|---|---|
| Installation/Change | $200.00 | $120.00 |

* Effective January 31, 2002, services associated with these TNJ USOCs are no longer available for new service requests. However, the Company may still use the USOC in instances where the TNT USOC cannot be used.

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



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ACCESS SERVICE

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7.5.16 Term Pricing Plans (Cont'd)

(C) 5-year Commitment Period – DS1#

| Service | USOC | Monthly Rate | Nonrecurring Charges First | Nonrecurring Charges Additional | |
|---|---|---|---|---|---|
| Per Channel Termination | | | | | |
| 1.544 Mbps/DS1 | | | | | |
| Rate Zone 1 | TNT4X | $193.77 | | | (I) |
| Rate Zone 2 | TNT4X | 214.58 | | | (I) |
| Rate Zone 3 | TNT4X | 227.70 | | | (I) |
| Installation/Change | | | | | |
| Rate Zone 1 | | | $ 1.00 | $0.75 | |
| Rate Zone 2 | | | 1.00 | 0.75 | |
| Rate Zone 3 | | | 1.00 | 0.75 | |

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



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ACCESS SERVICE

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ACCESS SERVICE

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7.5.16 Term Pricing Plans (Cont'd)

(D) 7-year Commitment Period DS1#

| Service | USOC | Monthly Rate | Nonrecurring Charges First | Additional | |
|---|---|---|---|---|---|
| Per Channel Termination | | | | | |
| 1.544 Mbps/DS1 | | | | | |
| Rate Zone 1 | TNT8X | $178.86 | | | (I) |
| Rate Zone 2 | TNT8X | 198.07 | | | (I) |
| Rate Zone 3 | TNT8X | 210.18 | | | (I) |
| Installation/Change | | | | | |
| Rate Zone 1 | | | $ 1.00 | $0.75 | |
| Rate Zone 2 | | | 1.00 | 0.75 | |
| Rate Zone 3 | | | 1.00 | 0.75 | |

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



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Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

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1300 I Street, NW, Washington, DC 20005

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

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1300 I Street, NW, Washington, DC 20005

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

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Vice President, Federal Regulatory
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Vice President, Federal Regulatory
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Vice President, Federal Regulatory
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Vice President, Federal Regulatory
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Vice President, Federal Regulatory
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Vice President, Federal Regulatory
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Vice President, Federal Regulatory
1300 I Street, NW, Washington, DC 20005

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1300 I Street, NW, Washington, DC 20005

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ACCESS SERVICE

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1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

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1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

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1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

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1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

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1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

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ACCESS SERVICE

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ACCESS SERVICE

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ACCESS SERVICE

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1300 I Street, NW, Washington, D.C. 20005

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1300 I Street, NW, Washington, D.C. 20005

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Vice President, Federal Regulatory
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1300 I Street, NW, Washington, D.C. 20005

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

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1300 I Street, NW, Washington, D.C. 20005

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1300 I Street, NW, Washington, D.C. 20005

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

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1300 I Street, NW, Washington, D.C. 20005

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

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Vice President, Federal Regulatory
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Vice President, Federal Regulatory
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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

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1300 I Street, NW, Washington, D.C. 20005

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

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Vice President, Federal Regulatory
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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

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1300 I Street, NW, Washington, D.C. 20005

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

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Vice President, Federal Regulatory
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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

ACCESS SERVICE

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Vice President, Federal Regulatory
1300 I Street, NW, Washington, D.C. 20005

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7. Special Access Service (Cont'd)

7.6 Individual Case Filings

Rates and charges for Special Access Service provided on an individual case basis are filed following:

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Individual Case Filings (Cont'd)

Rates and charges for Special Access Service provided on an individual case basis are filed following:

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