SPECIAL ACCESS

5.1 General

Special Access provides a transmission path to connect CDLs* within a LATA for Intrastate Telecommunications. Special Access provided to a customer may be connected directly to customer facilities and/or may be connected to access facilities of another telephone company or companies in the joint provision of Special Access, or may be connected to Switched Access as set forth in Section 4 preceding. Special Access Services may also be connected to a customer's transmission equipment and facilities using a DS1 or DS3 Cross Connect arrangement where the customer is provided Expanded Interconnection Service (EIS) as defined in Section 17.

The provision of Switched Access and Special Access in combination is normally for, but not limited to, the use of WATS or WATS-type Access. When Special Access is connected to Switched Access, the terms, conditions and rates for the facilities between the end user's CDL and the WATS Serving Office are as set forth in this section of the tariff; the terms, conditions and rates for the facilities between the WATS Serving Office and the customer's CDL, as well as the Switching Functionalities (e.g., end user access codes, screening) are as set forth in Section 4 of this tariff.

Special Access can be provided in either analog or digital formats. Analog formats are differentiated by spectrum and bandwidth. Digital formats are differentiated by bit rate. The specific types of Special Access (e.g., voiceband, wideband digital) provided are described in 5.2 following.

5.1.1 Rate Elements

There are six rate elements which apply to Special Access. They are:

Special Transport
Special Access Line
Special Access Cross Connect
Inside Wiring
Supplemental Features
Multiplexing Arrangements

The following is a list of GTE's Open Network Architecture (ONA) Special Access Basic Service Elements (BSEs) which provide a cross-reference to the generic ONA product names. (C)

| Generic Name | GTE Name |
|---|---|
| Access to Clear Channel Transmission | Clear Channel Capability |
| Automatic Protection Switching | Automatic Protection Switching |
| Bridging | Bridging |
| Conditioning | Conditioning |
| Multiplexing - Digital 2000 | Multiplexing Arrangements |

(A) (Reserved for Future Use)

SPECIAL ACCESS

5.1 General (Cont'd)

5.1.1 Rate Elements (Cont'd)

(B) Special Transport

(1) The Special Transport rate element provides the transmission facilities between the serving wire centers associated with two CDLs, between a serving wire center associated with an end user's CDL and a WATS Serving Office, between a serving wire center associated with a CDL and a Telephone Company Hub Wire Center or between two Telephone Company Hub Wire Centers. This rate element is distance sensitive, except for MetroLAN, and varies with type of capability (i.e., analog or digital) and type of facility (e.g., voiceband, wideband, etc.). Special Transport may be provided by more than one telephone company. The method of calculating applicable airline miles for rating purposes in jointly provided Special Access is specified in 15.3.3 following. Connection to Telephone Company provided DS1 or DS3 Special Transport within a serving wire center for customers with EIS will require a Special Access Cross Connect arrangement as described in 5.1.1(D) and 5A.1.1(E).

MetroLAN Transport provides flat rate non-distance sensitive transport for DS1 bandwidth on fiber optic rings. The rate element associated with MetroLAN is a monthly recurring charge as set forth in 5.7.10(A).

(2) Special Transport may be used in conjunction with Switched Access for the purpose of provisioning Originating Only, Terminating Only or Combined Originating/Terminating Access as set forth in 4.2.5(V) preceding. Special Transport employed in this manner provides the FIA for the closed-end of the services between the wire center serving the end user's CDL where WATS Serving Office functions are not available and the WATS Serving Office.

When the necessary WATS Serving Office functions are not provided at the wire center which serves the end user's CDL, the Telephone Company will designate the wire center where the WATS Serving functions are available.

(C) Special Access Line

(1) A Special Access Line provides the transmission facilities between a CDL premises and the serving wire center of that premises. This rate element varies by type of capability (i.e., analog or digital) and type of facility (e.g., voiceband, wideband, etc.).

The selection of a Terminating Option is required for terminating the network portion of a Special Access Line at a CDL. Terminating Options provide a clearly delineated interface which facilitates the design, isolation, and testing of the Special Access.

One Special Access Line charge applies per CDL at which the facility is terminated. This charge will apply even if the CDL and the serving wire center are co-located in a Telephone Company building. Connection to Telephone Company provided DS1 or DS3 SALs within a serving wire center for customers with EIS will require a Special Access Cross Connect arrangement as described in 5.1.1(D) and 5A.1.1(E).

The DS1 Special Access Line provided under this tariff will not be billed when used with ISDN PRI that uses alternate higher capacity digital facilities for the loop transport. This includes providing service using DS3s, or under (the) Tariff FCC No. 14, Section 20 – Optical Networking when the optical node is at the same location, or comparable local tariffs and special assemblies. A DS1 Special Access Line provided to the serving wire center at which the customer obtains ISDN PRI Service will be transmitted with B8ZS Clear Channel Capability per Technical Reference Publication GR-342, Issue 1. (C)

SPECIAL ACCESS

5.1 General (Cont'd)

5.1.1 Rate Elements (Cont'd)

(C) Special Access Line (Cont'd)

(2) A Special Access Line may be provided in conjunction with FGA, FGB, FGC, FGD, BSA-A, BSA-B, BSA-C and BSA-D Switched Access Service for the purpose of Originating Only, Terminating Only, or Combined Originating and Terminating Access as set forth in 4.2.1 and 4.2.2. A Switching Interface is required for the provision of this service as set forth in 4.2.5(V). The Special Access Line provides the closed-end of the dedicated facilities between an end user's CDL and its serving wire center. This serving wire center may or may not be a WATS Serving Office. In those instances when the serving wire center is not a WATS Serving Office, Special Transport is applicable as set forth in 5.1.1(B) to the nearest Telephone Company WATS Serving Office.

The Switched Access used in conjunction with the Special Access Line provides various standard switching functionalities and optional arrangements as set forth in Section 4.2.5(V).

All Special Access Lines used with a Switching Interface are:

- provided with dial pulse address signaling or Dual Tone Multifrequency (DTMF) address signaling and either loop start or ground start supervisory signaling. The type of signaling is the option of the customer.

- available as either a two-wire or four-wire Voiceband Special Access Service (i.e., 300-3000 Hz bandwidth). Each transmission path is provided at the option of the customer with transmission specifications as described in Section 7000 of the GTE Technical Interface Reference Manual.

All rules and regulations pertaining to Special Access are applicable to Special Access Lines used with a Switching Interface. Rates and Charges for these services are found in 5.7 for WATS Special Access Lines.

(D) Special Access Connect

The Special Access Cross Connect charge provides the communications path between Telephone Company provided 64 Kbps DDS (DSO), DS1 or DS3 Special Access Lines or Special Access Transport and a Customer's transmission equipment and facilities where the Customer is provided EIS as defined in Section 17. The Cross Connect arrangement may connect directly to Telephone Company provided 64 Kbps DDS (DSO), DS1 or DS3 Services or to a Telephone Company provided 64 Kbps DDS (DSO), DS1 or DS3 multiplexing arrangement. The Cross Connect charge applies per 64 Kbps DDS (DSO), DS1 or DS3 connection. Rates for 64 Kbps DDS (DSO), DS1 and DS3 Cross Connect arrangements are listed in 5.10.

(E) Inside Wire

The inside wire rate element is a charge to recover that portion of inside wire cost assigned to Special Access Service. Inside wire is as set forth in Part 68 of the FCC Rules and Regulations.

Unless all such inside wire is provided by the customer for Voiceband, Program Audio*, or Digital Data Service, an Inside Wiring charge will apply on a per Special Access Line basis for each customer designated premises. (C)

* Effective December 19, 2013 Program Audio Services are grandfathered and no longer available to new customers. Moves, additions or changes to subscribers' existing service will not be permitted. (C)

SPECIAL ACCESS

5.1 General (Cont'd)

5.1.1 Rate Elements (Cont'd)

(F) Supplemental Features

Supplemental Features may be added to a Special Access circuit to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific facilities, 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 facilities. Although the facilities necessary to perform a specified function may be installed at various locations along the path of the Special Access circuit, including the customer designated premises, it will be provided for as a single rate element.

Examples of Supplemental Features that are available include, but are not limited to, bridging and conditioning. Descriptions for each of the available Supplemental Features are provided in 5.4 following, and rates are set forth in 5.7 following.

(G) Multiplexing Arrangements

Multiplexing provides for arrangements to convert a single higher capacity or bandwidth circuit for bulk transport to several lower capacity or band- width circuits. Multiplexing is only available at a Telephone Company designated Hub Wire Center arranged for multiplexing. Different types of multiplexing will be available at each Hub Wire Center. Refer to Section 5.6.6 for a description of Hub Wire Center.

5.1.2 Special Access Configurations

There are two types of facility configurations over which Special Access are provided (i.e., two-point and multi-point).

5.1 General (Cont'd)

5.1.2 Special Access Configurations (Cont'd)

(A) Two-point

A two-point configuration is a circuit which is provided to connect two customer designated premises.

All Special Access offerings may be provided as a two-point configuration.

(B) Multi-point

A multi-point configuration is a circuit that is provided to connect three or more customer designated premises.

Only certain types of Special Access are provided as multi-point configurations. These are so designated in 5.2 following. There is no limitation on the number of mid-links but the use of more than three mid-links in tandem may degrade the quality of the multipoint facilities. A mid-link is defined as the Special Transport facilities between Hub Wire Centers where the circuit is bridged and/or where circuit switching devices, such as a loop transfer arrangement, are located.

Multi-point is provided and priced in the following manner:

(1) Special Access Line per customer designated premises to their respective wire centers.

(2) Special Transport between the serving wire centers associated with the customer designated premises and the Hub Wire Center.

(3) Special Transport between Hub Wire Centers.

5.1 General (Cont'd)

5.1.2 Special Access Configurations (Cont'd)

(B) Multi-Point (Cont'd)

(4) (Reserved for Future Use)

(5) (Reserved for Future Use)

(6) Supplemental Features: Bridging equipment charges for each bridging location.

5.1.3 Special Facilities Routing

A customer may request that the Special Access used be specially routed. The regulations, rates and charges for Special Facilities Routing are as set forth in 9. following.

5.1.4 Design Layout Report

The Telephone Company will provide to the customer the makeup of the Special Access provided under this tariff to aid the customer in designing its overall service. This information will be provided in the form of a Design Layout Report and will include the following:

Cable gauge, length and loading.
Makeup (e.g., T-Carrier, two-wire, four-wire, etc.)
Specific pair of circuit assignment at the customer designated premises.

The Design Layout Report will be provided to the customer within fourteen working days from the Service Order Date. Updated reports will be reissued within fourteen working days whenever facilities provided to the customer are materially changed. Both the initial and updated Design Layout Reports will be provided to the customer at no charge.

5.1.5 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 voiceband services, acceptance testing will include tests for loss, 3-tone slope, DC continuity, operational signaling C-notched noise, and C-message noise when these parameters are applicable and specified in the order for service.

SPECIAL ACCESS

5.1 General (Cont'd)

5.1.5 Acceptance Testing (Cont'd)

B. For other analog services (i.e., Program Audio* and Video) and for digital services (i.e., Digital Data Services and High Capacity Digital Services), acceptance testing will include tests for the parameters applicable to the service as set forth in Section 7000 of the GTE Technical Interface Reference Manual for each of these services. (C)

When the customer requests the performance of additional cooperative tests which are not required to meet these specified performance parameters, charges as set forth in 8.2.8 (B)(1) following will apply. All test results will be made available to the customer upon request.

5.1.6 Ordering Conditions

Ordering conditions are set forth in detail in Section 3 preceding.

5.2 Description of Special Access

The Special Access offerings described below are comprised of a combination of the rate elements described in 5.1.1 preceding. The descriptions of each Special Access following indicate the most effective use for each facility. Customer use for purposes other than those indicated is limited only to the extent that such use may not harm the network. Further, the Telephone Company does not guarantee transmission performance beyond the parameters identified in the descriptions for each of the respective Special Access types.

The transmission performance characteristics of each Special Access offering are stated in Section 7000 of the GTE Technical Interface Reference Manual. The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this tariff, except that existing services with performance specifications exceeding the standards in the GTE Technical Interface Reference Manual will be maintained at the performance level specified in the manual.

5.2.1 Voiceband

(A) Two-Wire Voiceband Facility

These facilities are unconditioned and are capable of transmitting voice or data signals within the frequency spectrum of approximately 300 Hz to 3000 Hz. These facilities are furnished on a two-point or multi-point basis and will be two-wire at the point of termination. They permit the simultaneous transmission of information in both directions over a circuit, but it is not possible to insure independent information transmission in both directions. Supplemental features may be added, at applicable charges, to enhance the operational capabilities of these facilities.

* Effective December 19, 2013 Program Audio Services are grandfathered and no longer available to new customers. Moves, additions or changes to subscribers' existing service will not be permitted. (C)

** Effective December 19, 2013, Wideband Analog and Wideband Data Services formerly contained in this section, are hereby cancelled and withdrawn and no longer available.

SPECIAL ACCESS

5.2 Description of Special Access (Cont'd)

5.2.1 Voiceband (Cont'd)

(B) Four-Wire Voiceband Facility

These facilities are unconditioned and are capable of transmitting voice or data signals within the frequency spectrum of approximately 300 Hz to 3000 Hz. These facilities are furnished on a two-point or multi-point basis and will be four-wire at the point of termination. They permit the simultaneous independent transmission of information in both directions over a circuit. Supplemental features may be added, at applicable charges, to enhance the operational capabilities of these facilities.

5.2.2 (Reserved for Future Use)

5.2.3 Program Audio* (Grandfathered effective 12/19/13) (C)

These facilities are arranged and provided for the transmission of audio which is to be broadcast or which is to be used in connection with loudspeakers, wired music, closed circuit or recordings. Audio facilities are furnished for trans- mission in one direction. Audio facilities may be provided on a two-point or multi-point basis.

Program audio facilities are provided on either full-time or part-time basis. The minimum periods for full-time and part-time service are set forth in Section 3 preceding. When a part-time program audio service is provided for ten or more consecutive days it will be treated as a full-time service and rated accordingly. In no event will the charge for continuous part-time program audio exceed the amount that would have been charged in the same time period for full-time program audio facilities.

(A) 200 to 3500 Hz

Facilities are generally acceptable for speech quality programming and are subject to use over limited distance due to transmission factors.

(B) 100 to 5000 Hz

Facilities are generally acceptable for music and provide good quality speech programming.

(C) 50 to 8000 Hz

Facilities provide high fidelity music transmission.

* Effective December 19, 2013 Program Audio Services are grandfathered and no longer available to new customers. Moves, additions or changes to subscribers' existing service will not be permitted. (C)

5.2 Description of Special Access (Cont'd)

5.2.3 Program Audio* (Cont'd) (Grandfathered effective 12/19/13) (C)

(D) 50 to 15000 Hz

Facilities provide high fidelity music transmission. Two such facilities may be conditioned, at applicable charges, for stereo operation.

5.2.4 Video Band

These facilities are arranged and provided for the transmission of television which is to be broadcast or which is to be used in connection with viewing or recording.

The facilities are furnished for transmission in one direction only of United States 525 line/60 field standard monochrome and National Television Systems Committee (NTSC) color television baseband video signals and the associated audio signals.

5.2.5 Reserved for Future Use (C)

5.2.6 Reserved for Future Use

* Effective December 19, 2013 Program Audio Services are grandfathered and no longer available to new customers. Moves, additions or changes to subscribers' existing service will not be permitted. (C)

** Effective December 19, 2013, Wideband Analog and Wideband Data Services formerly contained in this section, are hereby cancelled and withdrawn and no longer available.

5.2 Description of Special Access (Cont'd)

5.2.7 High Capacity Digital

These facilities are furnished only between a customer designated premises or between a customer designated premises and a Telephone Company designated Hub Wire Center where multiplexing is offered. High Capacity DS1 and DS3 services may also be connected to customer transmission equipment and facilities where the customer is provided EIS as defined in Section 17.

(A) DS1 facilities provide for the transmission of isochronous serial data at a rate of 1.544 Mbps.

(B) DS1C facilities provide for the transmission of isochronous serial data at a rate of 3.152 Mbps.

(C) DS2 facilities provide for the transmission of isochronous serial data at a rate of 6.312 Mbps.

(D) DS3 facilities provide for the transmission of isochronous serial data at a rate of 44.736 Mbps. EIS is not available with DS3 services provided with an optical interface.

(E) FT3C facilities provide for the transmission of isochronous serial data at a rate of 89.472 Mbps.

5.2.8 Digital Data Service* (C)

Facilities for Digital Data Service are furnished for the simultaneous two-way transmission of synchronous data presently utilized for the following data speeds: 2.4 kbps, 4.8 kbps, 9.6 kbps, 56 kbps.

5.2.9 Wideband Embedded Services

Wideband Embedded Services is the total aggregation of Wideband Data Service facilities and Videoband facilities being provided to AT&T-C as of the effective date of Section 5 of this tariff. Requests for Wideband Data Service facilities and Videoband facilities by AT&T-C, subsequent to the effective date, will not be furnished as part of Wideband Embedded Services. These requests will be rated on an Individual Case Basis (ICB) as stated in 5.6.1(D) following. Wideband Embedded Services is transitory and will expire on October 1, 1986, unless sooner withdrawn. During the interim the Telephone Company will audit these facilities and develop rates to apply to individual circuits. Based upon the degree of conformity between rates for the various circuits, rates will either be filed by state jurisdiction in 5.7 following or by customer and location in 7.2 following. Upon the filing of these rates Wideband Embedded Services will be withdrawn. Wideband Embedded Services is billable only to AT&T-C.

5.3 Description of Terminating Options

The description of each Terminating Option defines the most effective use of the Terminating Option. The technical parameters of each type of associated interface are set forth in Section 7000 of the GTE Technical Interface Reference Manual. Although a customer is not restricted from alternate applications, except where such application is harmful to the network, the Telephone Company cannot guarantee technical performance for other than the applications stated below. Terminating Options are nonchargeable.

5.3.1 Narrowband

(A) 0 to 75 Baud Type 1

Provides standard open/closed 20 or 62 Ma energized interface to customer terminal equipment and converts customer terminal equipment signals to voice frequency signaling for transmission over two-wire or four-wire voice band network facilities suitable for voice grade to narrowband multiplexing.

* 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. (C)
(C)

5.3 Description of Terminating Options (Cont'd)

5.3.1 Narrowband (Cont'd)

(B) 0 to 75 Baud Type 2

Provides two-wire or four-wire metallic interface for customer or Telephone Company energized circuits. Telephone Company energized circuits are only available in conjunction with voice grade to narrowband multiplexing. This option does not guarantee dc current operation over Special Transport facilities.

(C) 0 to 150 Baud

Provides standard RS-232C interface to customer terminal equipment and converts customer terminal equipment signals to voice frequency signaling for transmission over two-wire or four-wire voiceband facilities.

5.3.2 Voice Grade* (C)

(A) Two-Wire Voice Grade, Non-Data, Without Signaling

This option provides a two-wire interface to a customer and terminates an effective two-wire facility furnished for voice transmission only. Customer provided signaling must be limited to tones in the voice band. Customer provided voice band signaling equipment must limit transmission power to 0.0 dBm peak and -13 dBm average power over a three-second period.

(B) Four-Wire Voice Grade, Non-Data, Without Signaling

This option provides a four-wire interface to the customer terminal equipment and terminates an effective four-wire facility furnished for voice transmission only. Customer provided signaling must be limited to tones in the voice band. Customer provided voice band signaling equipment must limit transmission power to 0.0 dBm peak and -13 dBm average power over a three- second period.

* 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. (C) (C)

5.3 Description of Terminating Options (Cont'd)

5.3.2 Voice Grade* (Cont'd) (C)

(C) Voice Grade Data Termination

This option provides a two-wire or four-wire transmission interface to a customer's private line data modem and terminates an effective four-wire facility furnished for voice band data transmission.

(D) Two-Wire Voice Grade Station Connecting Facility Termination

This option provides a means to terminate the closed end (station end) of a facility on a telephone, key system, PBX, ACD, or similar equipment. This station connecting option is required to terminate facilities used to furnish foreign exchange service, the station end of PBX off premises service, or private switched service network access lines. The option provides both the transmission and loop signaling functions normally associated with these services. The option is also used to terminate facilities arranged with automatic ringdown signaling. Special Access Line and Special Transport facilities used with this option may require signaling capabilities as described in 5.4.4 following.

(E) Four-Wire Voice Grade Station Connecting Facility Termination

A terminating option similar to (D) preceding used to terminate four-wire foreign exchange service. The option provides a four-wire transmission interface to the customer terminal equipment. Normal loop signaling functions are provided with a simplex option on the four-wire transmission facility. Special Access Line and Special Transport facilities used with this option may require signaling capabilities as described in 5.4.4 following.

(F) Two-Wire Station Connecting Facility Termination for the Open End of an Off Premises PBX Extension

Terminating options are available depending on the signaling range of the PBX (or similar system) as defined in Part 68 of the FCC Rules and Regulations. Type 1 is an option requiring range extension equipment at the customer designated premises. Type 2 is an option with no range extension equipment. Special Access Line and Special Transport facilities used with this option may require signaling capabilities as described in 5.4.4 following.

* 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. (C)
(C)

5.3 Description of Terminating Options (Cont'd)

5.3.2 Voice Grade* (Cont'd) (C)

(G) Dial Repeating Tie Trunk Termination

Two network terminating options are provided for terminating four-wire transmission facilities used to furnish dial repeating tie trunk services. These options are described in terms of the interface they provide to a PBX (or similar system).

(1) A Type I tie line termination provides the customer or end user with a two-wire transmission interface with either a two-wire or four-wire E&M type signaling interface at the customer's option. Transmission and signaling interface options available are described in Part 68 of the FCC Rules and Regulations.

(2) A Type III tie line termination provides the customer with a four-wire transmission interface with either a two-wire or four-wire E&M type signaling interface. Transmission and signaling options available are described in Part 68 of the FCC Rules and Regulations.

Special Access Line and Special Transport facilities used with this option may require signaling capabilities as described in 5.4.4 following.

5.3.3 Program Audio*

(A) 200 to 3500 Hz

Provides standard program audio interface levels and impedance matching to two-wire network facilities.

* 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. (C) (C)

SPECIAL ACCESS

5.3 Description of Terminating Options (Cont'd)

5.3.3 Program Audio* (Cont'd)

(B) 100 to 5000 Hz, 50 to 8000 Hz, and 50 to 15000 Hz

Provides standard program audio interface levels, circuit equalization and impedance matching to two-wire network facilities.

5.3.4 Video

Provides a Videoband Special Access Line interface for use in providing the one way transmission of video signals.

Standard Videoband service is provided via one signal (combined video and audio). This signal is in the 30 hz to 6.6 MHz frequency range. It includes a one-way diplexed transmission of standard 525 lines/60 fields monochrome or NTSC color video signal, and one associated 15 KHz audio signal.

As an option, the customer may select to receive Videoband service via two signals (one video and one audio). Under this option, the signal received will be in the 30 Hz to 4.5 MHz frequency range and the audio signal will be in the 50 Hz to 15000 Hz frequency range.

5.3.5 Reserved for Future Use

5.3.6 High Capacity Digital

(A) High Capacity Digital DS1

Provides a High Capacity Digital DS1 Special Access interface for use in providing simultaneous two-way transmission of sequential synchronous bipolar data signals at the rate of 1.544 Mbps over four-wire facilities.

* 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. (C) (C)

SPECIAL ACCESS

5.3 Description of Terminating Options (Cont'd)

5.3.6 High Capacity Digital (Cont'd)

(B) High Capacity Digital DS1C

Provides a High Capacity Digital DS1C Special Access interface for use in providing simultaneous two-way transmission of sequential synchronous bipolar data signals at the rate of 3.152 Mbps over four-wire facilities.

(C) High Capacity Digital DS2

Provides a High Capacity Digital DS2 Special Access interface for use in providing simultaneous two-way transmission of sequential synchronous bipolar data signals at the rate of 6.312 Mbps over four-wire facilities.

(D) High Capacity Digital DS3

Provides a High Capacity Digital DS3 Special Access interface for use in providing simultaneous two-way transmission of sequential synchronous bipolar data signals at the rate of 44.736 Mbps over four-wire facilities. EIS is not available with DS3 services provided with an optical interface. Ordering conditions are set forth in 3.1.1(F). (C) (C)

(E) High Capacity Digital FT3C

Provides a High Capacity Digital FT3C Special Access interface for use in providing simultaneous two-way transmission of sequential synchronous bipolar data signals at the rate of 89.472 Mbps over four-wire facilities.

5.3.7 Digital Data Service

Provides DDS Special Access interface for use in providing simultaneous two-way transmission of sequential bipolar data signals at the rates of 2.4 Kbps, 4.8 Kbps, 9.6 Kbps, and 56 Kbps over four-wire facilities.

(A) (Reserved for Future Use)

(B) (Reserved for Future Use)

(C) (Reserved for Future Use)

(D) (Reserved for Future Use)

5.4 Description of Supplemental Features

Supplemental Features are items which can be added to a Special Access to provide enhanced capabilities or improve its utility. References to specific uses or Special Access types indicate the most effective use for each Supplemental Feature. Customer use for other purposes or with other Special Access types is limited only to the extent that such use may not harm the network. Further, the Telephone Company does not guarantee functional operation of Supplemental Features for these alternate applications.

5.4 Description of Supplemental Features (Cont'd)

5.4.1 Bridging

(A) Multi-Point Data Bridging

This feature provides the capability to derive a multi-point data circuit from a single facility and is normally provided on voiceband facilities provided for transmission of data signals. This function provides a five port split data bridge (one master port and four common ports). Expansion of the bridge to obtain additional ports requires the addition of a second bridge of the same capacity. Polled multi-point data circuits are a typical application of this feature.

(B) Voice Conference Bridging

Bridging arrangement to connect multiple voiceband facilities in order that a voice frequency input signal from any location will be reproduced at the output of all other circuit locations. This function provides a three port voice conference bridge. Expansion of the bridge to obtain additional ports requires the addition of a second bridge of the same capacity.

(C) Alarm Distribution Bridging

Provides polling type bridging capabilities, band splitting filters and conversion of four-wire common terminations up to a capacity of 40 two-wire terminations. This function is offered as two tariff elements. The first element provides all shelving and common equipment for a capacity of 40 two-wire terminations. The second element provides four two-wire ports. One each of the above elements must be ordered to provide one bridge of four ports capacity.

(D) Program Audio Bridging

An arrangement to provide a maximum of eight program channel outputs from a single program audio or voiceband facility. Expansion of this arrangement requires the addition of a second bridge of the same capacity. This arrangement is usually provided for use within a single serving wire center.

SPECIAL ACCESS

5.4 Description of Supplemental Features (Cont'd)

5.4.1 Bridging (Cont'd)

(E) Dataphone Select-A-Station Bridging

Provides for the connection of a master station location to a number of remote stations. The capacity of this bridging arrangement will vary from a minimum of 21 stations to a maximum of 84 stations dependent upon the mixture of four-wire and two-wire ports equipped. This arrangement is provided per AT&T Technical Reference PUB 41014. Charges consist of a rate for either common equipment-addressable or common equipment-sequential, plus a rate for each four-wire port connected or for each four two-wire ports connected.

(F) DDS Bridging

Provides for a multi-junction unit (MJU) arrangement to bridge 2.4 kbps, 4.8 kbps, 9.6 kbps, or 56 kbps DDS facilities. Different speeds cannot be mixed on the same bridge. This function provides one master port (input) and three branch ports (output). Expansion of the MJU to obtain additional ports requires the addition of a second MJU of the same capacity with the same tariff rate.

5.4.2 Conditioning Arrangements - Data

Data conditioning, when utilized in conjunction with effective four-wire voiceband transmission facilities, improves the characteristics of these facilities. These improved characteristics are not represented to apply to the entire end to end facility of the customer, but only to that portion of the facility provided by the Telephone Company.

There are two types of data conditioning: Type C and Type DA. Type C conditioning controls attenuation distortion and envelope delay distortion. Type DA controls the signal to C-notched noise ratio and intermodulation distortion. Type C and Type DA conditioning may be combined on the same circuit.

Data conditioning is charged for on a per circuit basis (two-point or multi- point). The parameters listed for each type of data conditioning apply from two or more customer designated premises located within the Telephone Company serving area. Conditioning parameters apply to each end of a two-point circuit. For

SPECIAL ACCESS

5.4 Description of Supplemental Features (Cont'd)

5.4.2 Conditioning Arrangements - Data (Cont'd)

multi-point circuits, the conditioning parameters apply from any customer designated premises to either the point of interface at another customer designated premises or the first Telephone Company bridging point depending on the circuit configuration. These parameters are not applicable to high capacity or wideband analog points of interface, because there is no voice frequency test access point. In these instances the data conditioning parameters apply to the last Telephone Company voice frequency test access point before the high capacity or wideband analog point of interface.

(A) Type C

Type C conditioning of voiceband facilities provides a facility with the following transmission parameters enhanced to meet the values specified for Type C conditioning in Section 7000 of the GTE Technical Interface Reference Manual in addition to the standard parameters for voiceband circuits.

(1) Attenuation distortion with reference to 1004 Hz:

(2) Envelope delay distortion.

5.4 Description of Supplemental Features (Cont'd)

5.4.2 Conditioning Arrangements - Data (Cont'd)

(B) Type DA

Type DA conditioning of voiceband facilities provides a facility with the following transmission parameter enhanced to meet the values specified for Type DA conditioning in Section 7000 of the GTE Technical Interface Reference Manual in addition to the standard parameters for voiceband circuits.

(1) Signal to C-notched noise ratio.

(2) Nonlinear signal to second order distortion.

(3) Nonlinear signal to third order distortion.

5.4.3 Conditioning - Program Audio

(A) Stereo Conditioning

Selection of two radio program facilities in order to provide facilities identical in all transmission characteristics. Two program audio facilities are required to provide this Supplemental Feature. This feature is normally used only with program audio 50 to 15000 Hz facilities.

(B) Zero Loss

Conditioning of program audio facilities to provide zero loss at 1000 Hz test frequency.

5.4.4 Signaling Arrangements

Signaling arrangements, when furnished with voiceband transmission facilities, enable these facilities to accommodate standard telecommunications signaling protocols. Signaling arrangements charges apply whenever voiceband facilities terminate on Telephone Company provided central office switching equipment or on certain Terminating options as described above.

5.4 Description of Supplemental Features (Cont'd)

5.4.4 Signaling Arrangements (Cont'd)

Signaling arrangements are available with voiceband transmission facilities to enable transmission of requested signaling formats. Signaling charges will apply for each signaling conversion. On facilities requiring multiple signaling arrangements a corresponding signaling arrangement charge will apply on each conversion. Available signaling arrangements are as listed below:

(A) Loop Signaling Range Extension - An arrangement to extend the metallic resistance limitations of loop type signaling.

(B) Conversion of Loop or E&M Signaling to SF - An arrangement to convert loop or E&M signaling to the single frequency signaling format.

(C) E&M to DX Signaling Conversion - Conversion of E&M signaling to the DX signaling format.

(D) E&M to Loop Signaling Conversion - Conversion of E&M signaling format to the loop type signaling .

(E) Loop or E&M to PCM Signaling - Conversion of loop or E&M signaling to the digital (PCM) signaling format.

(F) Automatic Ringdown Signaling (ARD) - A signaling arrangement on a two-point Special Access which converts loop seizure at one end of the facility into ringing signal at the opposite end.

5.4.5 Echo Control

(A) Echo Suppression

An arrangement provided at the customer's request to attenuate reflected speech energy on a four-wire facility. This conditioning is generally required on circuits with long propagation delay.

5.4 Description of Supplemental Features (Cont'd)

5.4.5 Echo Control (Cont'd)

(B) Echo Canceller

An arrangement provided at the customer's request to cancel reflected speech energy on a four-wire facility. This conditioning is generally required on circuits with long propagation delay.

5.4.6 Voiceband Facility Switching Arrangement

An arrangement to provide switching between two voiceband Special Access. This arrangement requires a Voiceband control circuit to control the switching arrangement.

5.4.7 Automatic Protection Switch

Switching equipment placed at the serving wire center end of a duplicative 1.544 Mbps standby facility to automatically switch to the standby facility in the event the active facility fails. The complete arrangement requires duplicate 1.544 Mbps facilities, which are not included as part of this feature, and one protection switch at each end of the duplicate facilities. Where one end of the duplicate facilities terminates at a customer designated premises the customer will be responsible for providing a compatible protection switch at that location.

5.5 Description of Multiplexing Arrangements

(A) Voice to Narrowband

An arrangement that multiplexes up to sixteen 0 to 75 baud narrowband circuits to a single voice grade circuit.

(B) Group to Voice

An arrangement that multiplexes twelve voice grade circuits to a single wideband analog group band circuit.

(C) Supergroup to Group

An arrangement that multiplexes five wideband analog group band circuits to a single wideband analog supergroup band circuit.

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5.5 Description of Multiplexing Arrangements (Cont'd)

(D) Mastergroup to Supergroup

An arrangement that multiplexes ten wideband analog supergroup band circuits to a single wideband analog mastergroup band circuit.

(E) DS1 to Voice

An arrangement that multiplexes twenty-four voice grade circuits to a single DS1 digital circuit at a rate of 1.544 Mbps, or multiplexes a single DS1 digital circuit at a rate of 1.544 Mbps to twenty-four voice grade circuits. If this DS1 terminates in a DDS hub, a channel(s) of the DS1 can be used to provide DDS; however, DDS service stops at the DS1 interface. Multiple channels may be required to provide individual Program Audio Channels. (C)

Up to 16 channels of this DS1 can be used for direct Digital Service (DDS-like service) with the assurance that circuit performance parameters will be met. If more than 16 channels are used for DDS-like service, the performance parameters for the DS1 and all circuits riding the DS1 will not be guaranteed.

(F) DS1C to Voice

An arrangement that multiplexes forty-eight voice grade circuits to a single DS1C digital circuit at a rate of 3.152 Mbps.

(G) DS1C to DS1

An arrangement that multiplexes two DS1 digital circuits to a single DS1C digital circuit at a rate of 3.152 Mbps.

(H) DS2 to DS1

An arrangement that multiplexes four DS1 digital circuits to a single DS2 digital circuit at a rate of 6.312 Mbps.

(I) DS3 to DS1

An arrangement that multiplexes twenty-eight DS1 digital circuits to a single DS3 digital circuit at a rate of 44.736 Mbps.

(J) FT3C to DS1

An arrangement that multiplexes fifty-six DS1 digital circuits to a single FT3C digital circuit at a rate of 89.472 Mbps.

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5.5 Description of Multiplexing Arrangements (Cont'd)

(K) Group to DS1

An arrangement that multiplexes two wideband analog group band circuits to a single DS1 digital circuit at a rate of 1.544 Mbps.

(L) Digital Data Carrier Multiplexer

An arrangement that multiplexes twenty-three 64 kbps digital circuits for connection to either subrate data multiplexers or 56 kbps office channel units to a single DS1 1.544 Mbps digital circuit. This arrangement consists of a charge for the basic multiplexer and a charge for each 64 Kbps digital circuit equipped and connected.

(M) Digital Data Subrate Multiplexer

An arrangement that multiplexes the following quantities of subrate digital data circuits into a single 64 kbps digital circuit: 1) twenty 2.4 kbps, 2) ten 4.8 kbps or 3) five 9.6 kbps.

(N) Digital Data Office Channel Unit

An arrangement that provides a metallic facility interface for the subrate digital data multiplexer for digital rates of 2.4, 4.8, and 9.6 kbps or for the digital data carrier multiplexer at a digital rate of 56 kbps.

Shared use of Special Access High Capacity facilities is defined in 5.6.7 following. The Multiplexing Arrangements associated with shared use Special Access high capacity facilities will be ordered and rated only as Special Access Service. The customer must place an order for Switched Access Service, designating a specific channel assignment for the service. (C)

Shared use of Switched Access facilities (i.e., Special Access Services provided over Switched Access facilities) is not allowed.

5.6 Rate Regulations

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

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges

There are four types of rates and charges. These are daily rates, monthly rates, nonrecurring charges and Special Access surcharges. In addition, there are two types of nonrecurring charges. The rates and charges are described as follows:

(A) Daily Rates

Daily rates are recurring charges that apply to each 24 hour period or fraction thereof that a part-time Program Audio or part-time Video Special Access is provided. The 24 hour period is not limited to a calendar day. When part-time Videoband service is requested rates will be developed on an Individual Case Basis. When part-time Program Audio service is provided for ten or more consecutive days it will be treated as a full-time service and monthly rates will apply. In no event will the charges for continuous part-time Program Audio service exceed the amount that would be charged in the same time period for full-time service.

(B) Monthly Rates

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

(C) Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for an installation activity or for a change to an existing facility. There are two types of nonrecurring charges: (1) those that apply for the installation of the basic Special Access (Special Transport and Special Access Line), and (2) those that apply for the installation of Supplemental Features and Multiplexing Arrangements.

(1) Installation of Special Access

There are two levels of nonrecurring charges for the installation of basic Special Access. The "First Special Access" charge is assessed for the first Special Access ordered by a customer. When the same customer orders additional identical basic Special Access at the same time, to be installed at the same time and between the same locations, the lesser charge under "Each Additional Identical Special Access" will be assessed for each of these Special Access orders.

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(C) Nonrecurring Charges (Cont'd)

(2) (Reserved for Future Use)

(3) Installation of Supplemental Features and Multiplexing Arrangements

Nonrecurring charges apply for the Supplemental Features and Multiplexing Arrangements included in 5.7 following. There is a lower charge if installed initially with the basic Special Access and a higher charge if installed subsequent to the basic Special Access.

(4) Change in Supplemental Features and Multiplexing Arrangements

Nonrecurring charges apply for a change in the type of Supplemental Features on Multiplexing Arrangements. The charge that applies is the nonrecurring charge of the new Supplemental Feature or Multiplexing Arrangement.

(D) Special Access Surcharges

The rates, rules, and provisions for the Special Access Surcharge are the rates, rules, and provisions set forth in Section 12 following.

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(E) The rates for the following offerings will be developed on an Individual Case Basis:

- Videoband
- Wideband Analog - Group Band Facilities
- Wideband Analog - Supergroup Band Facilities
- Wideband Analog - Mastergroup Band Facilities
- Wideband Data Service Facilities
- High Capacity Digital DS1C (3.152 Mbps)Special Access Lines
- High Capacity Digital DS2 (6.312 Mbps) Facilities
- High Capacity Digital DS3 (44.736 Mbps) Facilities
- High Capacity Digital FT3C (89.472 Mbps) Facilities

(F) Message Station Equipment Recovery Charges

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

In accordance with CC Docket 83-1145 Memorandum Opinion and Order adopted by the Federal Communications Commission on November 8, 1984, and released on November 9, 1984, this charge is assessed on those Special Access Voiceband equivalent lines subject to the Special Access Surcharge. The rate for the Message Station Equipment Recovery Charge is set forth in Section 5.7.2 following.

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(G) The rates for the following Multiplexing Arrangements will be developed on an Individual Case Basis:

Group to Voice
Supergroup to Group
Mastergroup to Supergroup
DS2 to DS1
DS3 to DS1
FT3C to DS1
Group to DS1

5.6.2 Minimum Periods

Special Access is provided for a specified minimum period. Minimum periods and minimum period charges are described in detail in Section 3 preceding.

5.6.3 Mileage Measurement

The mileage to be used to determine the monthly rate for the Special Transport is calculated on the airline distance between the serving wire centers involved (i.e., customer designated premises serving wire center or Hub Wire Center). When the calculated mileage is greater than zero, the value is always rounded up to the next full mile. Where the calculated value is zero, no Special Transport mileage is charged.

When there is a Hub Wire Center involved, the Special Transport mileage will be measured from the Hub Wire Center to the serving wire centers of each of the customer designated premises connected to the hubbed facilities. Mileage is computed for each section and rates are applied accordingly. However, when a Special Access facility is routed through a Hub Wire Center for purposes other that customer specified bridging or multiplexing (e.g. the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the wire centers serving the customer designated premises.

5.6 Rate Regulations (Cont'd)

5.6.3 Mileage Measurement (Cont'd)

The rates for the mileage are applied per airline mile. The serving wire center V&H coordinates are referenced in 15.2 following and the method of calculation is specified in 15.4 following.

5.6.4 Moves

A move involves a change in the physical location of the customer designated premises. The charge for the move depends on whether the move is within the same premises and building or to a different building or premises.

(A) Same Premises and Building

When the move is to a new location within the same premises and building, the charge for the move will be an amount equal to one half of the non- recurring charge for the Special Access plus one half the nonrecurring charge of the Supplemental Feature, if any. There will be no change in the minimum period requirements.

(B) Different Building or Premises

When the move is to a new location at a different building or a different premises, it will be treated as a disconnect and an installation of Special Access. Full nonrecurring charges apply to the Special Access, including those for Supplemental Features, installed at the new building or premises. A new minimum period will also be established for the installed Special Access. The customer will remain responsible for all remaining minimum period charges associated with the disconnected Special Access.

A move normally involves an interruption of Special Access for the period required to complete the move. No credit allowance will be granted for that period.

A customer may request that Special Access not be interrupted during a move. To comply with that request, it may be necessary to install a duplicate Special Access, and subsequently discontinue the existing Special Access. Monthly and full nonrecurring charges will apply for the duplicate Special Access. A new minimum period will be established for the duplicate portion of the Special

5.6 Rate Regulations (Cont'd)

5.6.4 Moves (Cont'd)

Access, depending on which end of the Special Access is moved. The customer will also remain responsible for all remaining minimum period charges associated with the corresponding portion of the disconnected Special Access.

5.6.5 Rate Application Exception Rules

(Reserved for Future Use)

5.6.6 Hub Wire Centers

A Hub Wire Center is a Telephone Company designated serving wire center at which bridging or multiplexing arrangements are provided. Bridging is used to connect three or more customer designated premises in a multi-point arrangement. The multiplexing arrangements channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth. Although Hub Wire Centers are defined as serving wire centers at which bridging or multiplexing arrangements are performed, they are not limited to providing these functions and may provide any other types of Special Access services offered in this tariff.

The Telephone Company will designate the Hub Wire Center locations. Different locations may be designated as Hub Wire Centers for different functions, such as bridging or multiplexing arrangements, for different facility capacities (e.g., multiplexing from digital to digital may occur at one wire center while multiplexing from digital to analog may occur at a different wire center). The location of Hub Wire Centers and the types of hubbing functions offered at that location are identified in the National Exchange Carrier Association's Tariff FCC No. 2.

Some of the types of multiplexing provided include the following:

- from higher to lower bit rate,
- from higher to lower bandwidth,
- from digital to voice grade service.

The transmission performance for the end to end Special Access provided from the customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps Special Access is multiplexed to voice frequency circuits, the transmission performance will be voiceband, not high capacity.

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5.6 Rate Regulations (Cont'd)

5.6.6 Hub Wire Centers (Cont'd)

The Telephone Company will commence billing the monthly rate for the Special Access Line and the Special Transport or Special Cross Connect charge for EIS arrangements, for the high capacity facility to the Hub Wire Center as of the service date, even though individual services utilizing those facilities may not be installed until a later date. If the customer has designated the type of multiplexing to be provided with the high capacity facility, the nonrecurring charge for the Multiplexing Arrangement will be billed to the customer at the same time and the billing for the monthly rate will begin.

Individual Special Access rates (by Special Access type) will apply for the Special Access Line and additional Special Transport facilities (if required) for each channelized Special Access. These will be billed to the customer as each individual Special Access is installed.

5.6.7 Shared Special Access High Capacity FIA (C)

Shared use occurs when Switched Access Service is provided over a Special Access High Capacity facility through a common interface. The facility will be ordered and rated only as Special Access Service, 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 to the shared use facility on a proportional basis) shall not apply in any circumstances. The customer must place an order for Switched Access Service, designating a specific channel assignment for the service. Shared use of Expanded Interconnection Service and Special Access Cross Connect arrangements is not available. Shared use of Switched Access facilities (i.e., Special Access Services provided over Switched Access facilities) is not allowed.

5.6.8 MetroLAN Special Transport

(A) Description

MetroLAN Special Transport (MetroLAN) provides DS1 transport between two or more serving wire centers located on a Telephone Company fiber optic ring. MetroLAN transport is provided at a flat-rate per month charge per DS1 transport facility, regardless of the number of miles the circuit is routed on the fiber ring.

(B) Conversion of Existing DS1 Transport

Current DS1 transport can be replaced by MetroLAN.

(C) Discontinuance of Service

If a DS1 SAL is discontinued, DS1 transport for the MetroLAN transport portion of the circuit is also discontinued.

MetroLAN transport may be converted to standard special access transport rates (i.e., per airline mile) at any time at no charge.

(D) Continuation of Service Off the Ring

MetroLAN DS1 circuits can be routed any distance on a fiber optic ring. When the DS1 circuit leaves the ring for continuation on the network, normal tariff rates will be assessed for the portion of the route not on the ring.

(E) Service Availability

MetroLAN DS1 transport is available to all DS1 customers in the Telephone Company serving areas in which fiber optic rings are deployed. MetroLAN is provided between serving wire centers located on the same fiber optic ring within the following Telephone Company metropolitan serving areas:

Erie and York

5.6 Rate Regulations (Cont'd) (C)

5.6.9 (Reserved for Future Use)

5.6.10 (Reserved for Future Use)

5.6.11 (Reserved for Future Use)

5.6.12 Optional Payment Plan (OPP)

(A) General

(1) The terms and conditions specified herein are applicable to DDS services.

(2) Only the Special Access Line (SAL) rate element is available under an OPP. All other associated rate elements or additional features are available at the standard month-to-month tariffed rates and regulations.

(3) Installation charges as set forth in 5.7.1 shall not apply to DDS OPP arrangements.

(4) Three year and five year OPP rates will be equal to or less than the one year OPP rates. Decreases to the one year OPP will flow through to the three year and five year OPP.

(5) Payment periods of one year, three year, and five year are available to all customers at the applicable rates set forth in 5.7.15 regardless of when they subscribe to an OPP arrangement.

(6) The customer must designate on the order the payment period for the OPP.

(7) Inside moves, provided in accordance with 5.6.4, will not incur termination liability charges.

(8) Outside moves provided in accordance with 5.6.4(B) will allow the customer to retain the same OPP payment period. Any other move will be treated as a disconnect of the service and termination liability charges will apply.

(B) Changes in Length of OPP Period

Prior to the completion of the selected OPP period, the customer may elect to convert to a new OPP period of the same or different length, subject to the following conditions:

- No credit toward the new payment period will be given for payments made under the original OPP arrangement.
- No applicable nonrecurring charges will be reapplied for existing service(s).
- If the new OPP period is shorter in length than the time remaining under the existing OPP, the change to the new OPP period constitutes a disconnect of the existing OPP service and termination liability charges apply.

(C) Renewal Options

(1) At the expiration of an OPP period, the Telephone Company will automatically renew the service at the same OPP period unless the customer chooses to convert to a different OPP period, convert to month-to-month rates or discontinue service.

(2) Conversion to a different OPP period will require the customer to submit a change order. Conversion to a different OPP period will be allowed without application of any nonrecurring or ordering charges.

(3) Conversion to month-to-month rates will be treated as a disconnect of service and establishment of new service.

5.6 Rate Regulations (Cont'd)

5.6.12 Optional Payment Plan (OPP) (Cont'd) (C)

(D) Notification of Discontinuance

An order for discontinuance of an OPP arrangement must be received by the Telephone Company at least thirty (30) days prior to actual disconnect of service. Monthly charges will apply for a period of thirty (30) days from the date the Telephone Company receives disconnect notification or until the requested disconnect date, whichever period is longer.

(E) Upgrade to Higher Speed Service

Customers may elect to upgrade service(s) to a higher speed during an OPP period, subject to the following conditions:

- The upgraded service will be subject to any appropriate nonrecurring charges.
- Termination liability charges will not apply as long as the upgraded service remains connected at the same point of termination(s) or meets the requirements set forth in 5.6.4(B).
- If the upgrade involves establishing a multiplexing arrangement, termination liability charges will not apply if the hub wire center is the same one associated with the customer designated location.

(F) Termination Liability

When an OPP service is discontinued prior to the end of the period, termination liability charges, as set forth below, will apply based on the remainder of the OPP period in effect at the time of disconnect.

One Year OPP - 50% of any remaining portion of the first year's recurring charges.

Three Year OPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second and third years, the customer will be liable for 10% of the total monthly recurring charges in that time period.

Five Year OPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second through fifth years, the customer will be liable for 20% of the total monthly recurring charges in that time period.

(G) Termination Without Liability

During an OPP period, should the currently effective rate for a customer's service increase, the customer may, at their option, terminate the OPP arrangement without penalty or liability.

(H) (Reserved for Future Use)

(I) (Reserved for Future Use)

5.6 Rate Regulations (Cont'd)

5.6.12 Optional Payment Plan (OPP) (Cont'd) (C)

(J) OPP for DDS

For conversion of existing month-to-month DDS to an OPP arrangement, the customer will be required to submit a change order to convert to the OPP. No service or billing interruption will occur when a customer converts from month-to-month rates to OPP rates. If no other changes to be service are ordered, no charges will apply.

SPECIAL ACCESS

5.7 Rates and Charges

5.7.1 Special Access Installation

| | |
|---|---|
| First Special Access Nonrecurring Charge (NASALIC1, NAASALIC1) | |
| General Service Area | 186.65 |
| Bethel Service Area | 186.65 |
| Each Additional Identical Special Access Nonrecurring Charge (NASALICS, NAASALICS) | |
| General Service Area | 186.65 |
| Bethel Service Area | 186.65 |

5.7.2 Message Station Equipment Recovery Charge

| | |
|---|---|
| (AMSER, AAMSER) Monthly | |
| General Service Area | 0.00 |
| Bethel Service Area | 0.00 |

5.7.3 Inside Wire

| | |
|---|---|
| (AIW, AAIW) Monthly | |
| General Service Area | 1.07 |
| Bethel Service Area | 1.07 |
| (AIW, AAIW) Daily | |
| General Service Area | .11 |
| Bethel Service Area | .11 |

5.7.4 (Reserved for Future Use)

5.7.5 Voiceband Facilities

(A) Standard Arrangements

Special Transport (Per Airline Mile)

| | |
|---|---|
| Two Wire Monthly Rate (ANVP ST2, AANVP ST2) | |
| General Service Area | 6.32 |
| Bethel Service Area | 6.32 |
| Four Wire Monthly Rate (ANVP ST4, AANVP ST4) | |
| General Service Area | 6.32 |
| Bethel Service Area | 6.32 |
| WATS Monthly Rate | 6.32 (C) |

Special Access Line

| | |
|---|---|
| Two Wire Monthly Rate (ANVP SAL2, AANVP SAL2, ANVP AC2, AANVP AC2) | |
| General Service Area | 13.55 |
| Bethel Service Area | 13.55 |
| Four Wire Monthly Rate (ANVP SAL4, AANVP SAL4, ANVP AC4, AANVP AC4) | |
| General Service Area | 21.70 |
| Bethel Service Area | 21.70 |
| WATS Monthly Rate | 45.05 (C) |

SPECIAL ACCESS

5.7 Rates and Charges (Cont'd)

5.7.5 Voiceband Facilities (Cont'd)

(B) Optional Arrangements

Supplemental Features (Per Special Access)

| | Monthly | NRC |
|---|---|---|
| (1) Multipoint Data Bridging (AV MDB, AAV MDB) | | |
| General Service Area | | 13.20 |
| Bethel Service Area | | 13.20 |
| Initial NRC (NAVMDBI, NAAVMDBI) | | |
| General Service Area | | 418.28 |
| Bethel Service Area | | 418.28 |
| Subsequent NRC (NAVMDBS, NAAVMDBS) | | |
| General Service Area | | 438.82 |
| Bethel Service Are | | 438.82 |
| (2) Voice Conference Bridging (AV VCB, AAV VCB) | | |
| General Service Area | | 10.36 |
| Bethel Service Area | | 10.36 |
| Initial NRC (NAVVCBI, NAAVVCBI) | | |
| General Service Area | | 381.24 |
| Bethel Service Area | | 381.24 |
| Subsequent NRC (NAVVCBS, NAAVVCBS) | | |
| General Service Area | | 401.78 |
| Bethel Service Area | | 401.78 |
| (3) Alarm Distribution Bridging | | |
| Common Equipment (AV ADBCE, AAV ADBCE) | | |
| General Service Area | | 15.47 (D) |
| Bethel Service Area | | 15.47 (D) |
| Initial NRC (NAVADBCEI, NAAVADBCEI) | | |
| General Service Area | | 97.38(D) |
| Bethel Service Area | | 97.38(D) |
| Subsequent NRC (NAVADBCES, NAAVADBCES) | | |
| General Service Area | | 97.38(D) |
| Bethel Service Area | | 97.38(D) |
| Per Each 4 Two Wire Ports (AV ADB2P, AAV ADB2P) | | |
| General Service Area | | 6.40 (I) |
| Bethel Service Area | | 6.40 (I) |
| Initial NRC (NAVADB2PI, NAAVADB2PS) | | |
| General Service Area | | 173.24(D) |
| Bethel Service Area | | 173.24(D) |
| Subsequent NRC (NAVADB2PS, NAAVADB2PS) | | |
| General Service Area | | 173.24(D) |
| Bethel Service Area | | 173.24(D) |
| (4) Data Conditioning Arrangements | | |
| Type C Monthly Rate (AV CC, AAV CC) | | |
| General Service Area | | 1.18 (D) |
| Bethel Service Area | | 1.18 (D) |
| Initial NRC (NAVCCI, NAAVCCI) | | |
| General Service Area | | 76.49(D) |
| Bethel Service Area | | 76.49(D) |
| Subsequent NRC (NAVCCS, NAAVCCS) | | |
| General Service Area | | 76.49(D) |
| Bethel Service Area | | 76.49(D) |

SPECIAL ACCESS

5.7 Rates and Charges (Cont'd)

5.7.5 Voiceband Facilities (Cont'd)

(B) Optional Arrangements (Cont'd)

| | Monthly | NRC |
|---|---|---|
| (4) Data Conditioning Arrangements (Cont'd) | | |
| Type DA | | |
| Monthly Rate (AV CDA, AAV CDA) | | |
| General Service Area | 1.18 (I) | |
| Bethel Service Area | 1.18 (I) | |
| Initial NRC (NAVCDAI, NAAVDCAI) | | |
| General Service Area | | 71.90(D) |
| Bethel Service Area | | 71.90(D) |
| Subsequent NRC (NAVCDAS, NAAVCDAS) | | |
| General Service Area | | 71.90(D) |
| Bethel Service Area | | 71.90(D) |
| (5) Signaling Arrangements | | |
| -Loop Signaling Range Extension | | |
| (AV LSRE, AAV LSRE) | | |
| General Service Area | 3.85 (D) | |
| Bethel Service Area | 3.85 (D) | |
| Initial NRC (NAVLSREI, NAAVLSREI) | | |
| General Service Area | | 62.11(D) |
| Bethel Service Area | | 62.11(D) |
| Subsequent NRC (NAVLSRES, NAAVLSRES) | | |
| General Service Area | | 62.11(D) |
| Bethel Service Area | | 62.11(D) |
| -Loop or E&M to SF (AV LEM/SF, AAV LEM/SF) | | |
| General Service Area | 8.88 (D) | |
| Bethel Service Area | 8.88 (D) | |
| Initial NRC (NAVLEM/SFI, NAAVLEM/SFI) | | |
| General Service Area | | 71.28(D) |
| Bethel Service Area | | 71.28(D) |
| Subsequent NRC (NAVLEM/SFS, NAAVLEM/SFS) | | |
| General Service Area | | 71.28(D) |
| Bethel Service Area | | 71.28(D) |
| -E&M to DX (AV EM/DX, AAV EM/DX) | | |
| General Service Area | 6.33 (I) | |
| Bethel Service Area | 6.33 (I) | |
| Initial NRC (NAVEM/DXI, NAAVEM/DXI) | | |
| General Service Area | | 71.92(D) |
| Bethel Service Area | | 71.92(D) |
| Subsequent NRC (NAVEM/DXS, NAAVEM/DXS) | | |
| General Service Area | | 71.92(D) |
| Bethel Service Area | | 71.92(D) |
| -E&M to Loop (AV EM/L, AAV EM/L) | | |
| General Service Area | 4.25 (I) | |
| Bethel Service Area | 4.25 (I) | |
| Initial NRC (NAVEM/LI, NAAVEM/LI) | | |
| General Service Area | | 65.39(D) |
| Bethel Service Area | | 65.39(D) |
| Subsequent NRC (NAVEM/LS, NAAVEM/LI | | |
| General Service Area | | 65.39(D) |
| Bethel Service Area | | 65.39(D) |

SPECIAL ACCESS

5.7 Rates and Charges (Cont'd)

5.7.5 Voiceband Facilities (Cont'd)

(B) Optional Arrangements (Cont'd)

| | Monthly | NRC |
|---|---|---|
| (5) Signaling Arrangements | | |
| -Loop or E&M to PCM (AV LEM/P, AAV LEM/P) | | |
| General Service Area | 2.09 (D) | |
| Bethel Service Area | 2.09 (D) | |
| Initial NRC (NAVLEM/PI, NAAVLEM/PI) | | |
| General Service Area | | 18.96(D) |
| Bethel Service Area | | 18.96(D) |
| Subsequent NRC (NAVLEM/PS, NAAVLEM/PS) | | |
| General Service Area | | 18.96(D) |
| Bethel Service Area | | 18.96(D) |
| -Automatic Ringdown (AV AR, AAV AR) | | |
| General Service Area | 6.26 (I) | |
| Bethel Service Area | 6.26 (I) | |
| Initial NRC (NAVARI, NAAVARI) | | |
| General Service Area | | 70.27(D) |
| Bethel Service Area | | 70.27(D) |
| Subsequent NRC (NAVARS, NAAVARS) | | |
| General Service Area | | 70.27(D) |
| Bethel Service Area | | 70.27(D) |
| -Echo Suppression (AV ECES, AAV ECES) | | |
| General Service Area | 10.53 (I) | |
| Bethel Service Area | 10.53 (I) | |
| Initial NRC (NAVECESI, NAAVECESI) | | |
| General Service Area | | 127.49(D) |
| Bethel Service Area | | 127.49(D) |
| Subsequent NRC (NAVECESS, NAAVECESS) | | |
| General Service Area | | 127.49(D) |
| Bethel Service Area | | 127.49(D) |
| -Echo Canceller (AV ECEC, AAV ECEC) | | |
| General Service Area | 19.20 (I) | |
| Bethel Service Area | 19.20 (I) | |
| Initial NRC (NAVECECI, NAAVECECI) | | |
| General Service Area | | 149.07(D) |
| Bethel Service Area | | 149.07(D) |
| Subsequent NRC (NAVECECS, NAAVECECS) | | |
| General Service Area | | 149.07(D) |
| Bethel Service Area | | 149.07(D) |
| -Voiceband Facility Switching Arrangement | | |
| Monthly Rate (AV VGSA, AAV VGSA) | | |
| General Service Area | 3.24 (D) | |
| Bethel Service Area | 3.24 (D) | |
| Initial Nonrecurring Charge (NAVVGSA, NAAVVGSA) | | |
| General Service Area | | 75.18(D) |
| Bethel Service Area | | 75.18(D) |
| Subsequent Nonrecurring Charge (NAVVGSAS, NAAVVGSAS) | | |
| General Service Area | | 75.18(D) |
| Bethel Service Area | | 75.18(D) |

SPECIAL ACCESS

5.7 Rates and Charges (Cont'd)

5.7.5 Voiceband Facilities (Cont'd)

(B) Optional Arrangements (Cont'd)

| | Monthly | NRC | |
|---|---|---|---|
| (5) Signaling Arrangements (Cont'd) | | | |
| -Dataphone Select-a-Station Bridging Common Equipment Addressable | | | |
| Monthly Rate (AV DSBCEA, AA DSBCEA) | | | |
| General Service Area | | * | (C) |
| Bethel Service Area | | * | |
| Initial Nonrecurring Charge (NAVDSBCEAI, NAAVDSBCEAI) | | | |
| General Service Area | | * | (C) |
| Bethel Service Area | | * | |
| Subsequent Nonrecurring Charge (NAVDSBCEAS, NAACVDSBCEAS) | | | |
| General Service Area | | * | (C) |
| Bethel Service Area | | * | |
| Sequential | | | |
| Monthly Rate (AV DSBCES AAV DSBCES) | | | |
| General Service Area | | 100.38 (D) | |
| Bethel Service Area | | 100.38 (D) | |
| Initial Nonrecurring charge (NAVDSBCESI, NAAVDSBCESI) | | | |
| General Service Area | | 1595.06(I) | |
| Bethel Service Area | | 1595.06(I) | |
| Subsequent Nonrecurring charge (NAVDSBCESS, NAAVDSBCESS) | | | |
| General Service Area | | 1595.06(I) | |
| Bethel Service Area | | 1595.06(I) | |
| -Dataphone Select-a-Station Bridging Each Four-Wire Port Connected | | | |
| Monthly Rate(AV DSB4P, AAV DSB4P) | | | |
| General Service Area | | * | (C) |
| Bethel Service Area | | * | |
| Initial Nonrecurring charge (NAVDSB4PI, NAAVDSB4PI) | | | |
| General Service Area | | * | (C) |
| Bethel Service Area | | * | |
| Subsequent Nonrecurring charge (NAVDSB4PS, NAAVDSB4PS) | | | |
| General Service Area | | * | (C) |
| Bethel Service Area | | * | |

* Available as ICB. (C)

(D) Indicates Decrease (C) Indicates Change (I) Indicates Increase

SPECIAL ACCESS

5.7 Rates and Charges (Cont'd)

5.7.5 Voiceband Facilities (Cont'd)

(B) Optional Arrangements (Cont'd)

| | Monthly | NRC |
|---|---|---|
| (5) Signaling Arrangements (Cont'd) | | |
| -Dataphone Select-a-Station Bridging (Cont'd) | | |
| Each Four Two-Wire Port Connected | | |
| Monthly Rate (AV DSB2P, AAV DSB2P) | | |
| General Service Area | 9.12 | |
| Bethel Service Area | 9.12 | |
| Initial Nonrecurring charge (NAVDSB2PI, NAAVDSB2PI) | | |
| General Service Area | | 114.84 |
| Bethel Service Area | | 114.84 |
| Subsequent Nonrecurring charge (NAVDSB2PS, NAAVDSB2PS) | | |
| General Service Area | | 114.84 |
| Bethel Service Area | | 114.84 |

5.7.6 Program Audio* (200-3500 Hz Facilities) (Grandfathered effective 12/19/13) (C)

(A) Standard Arrangements

| | | |
|---|---|---|
| -Special Transport (Per Airline Mile) | | |
| Monthly Rate (AP35 STM, AAP35 STM) | | |
| General Service Area | 6.32 | |
| Bethel Service Area | 6.32 | |
| Daily Rate (AP 35 STD, AAP35 STD) | | |
| General Service Area | .63 | |
| Bethel Service Area | .63 | |
| -Special Access Line | | |
| Monthly Rate (AP35 SALM, AAP35 SALM, AP35 ACM, AAP35 ACM) | | |
| General Service Area | 13.55 | |
| Bethel Service Area | 13.55 | |
| Daily Rate (AP35 SALD, AAP35 SALD, AP35 ACD, AAP35 ACD) | | |
| General Service Area | 1.36 | |
| Bethel Service Area | 1.36 | |

(B) Optional Arrangements

| | | |
|---|---|---|
| Supplemental Features (Per Special Access) | | |
| -Program Audio Bridging | | |
| Monthly Rate (AP B, AAP B) | | |
| General Service Area | 6.43 | |
| Bethel Service Area | 6.43 | |
| Initial Nonrecurring charge (NAP BI, NAAP BI) | | |
| General Service Area | | 290.20 |
| Bethel Service Area | | 290.20 |
| Subsequent Nonrecurring charge (NAP BS, NAAP BS) | | |
| General Service Area | | 310.74 |
| Bethel Service Area | | 310.74 |
| -Conditioning Program Audio-Zero Loss | | |
| Monthly Rate (AP CZL, AAP CZL) | | |
| General Service Area | 2.47 | |
| Bethel Service Area | 2.47 | |
| Initial Nonrecurring charge (NAPCZLI, NAAPCZLI) | | |
| General Service Area | | 8.49 |
| Bethel Service Area | | 8.49 |
| Subsequent Nonrecurring charge (NAPCZLS, NAAPCZLS) | | |
| General Service Area | | 8.49 |
| Bethel Service Area | | 8.49 |

* Effective December 19, 2013 Program Audio Services are grandfathered and no longer available to new customers. Moves, additions or changes to subscribers' existing service will not be permitted. (C)

SPECIAL ACCESS

5.7 Rates and Charges (Cont'd)

5.7.7 Program Audio* (100-5000 Hz Facilities) (Grandfathered effective 12/19/13) (C)

(A) Standard Arrangements

| | Monthly | NRC |
|---|---|---|
| -Special Transport (Per Airline Mile) | | |
| Monthly Rate AP50 STM, AAP50 STM) | | |
| General Service Area | 9.49 | |
| Bethel Service Area | 9.49 | |
| Daily Rate (AP50 STD, AAP50 STD) | | |
| General Service Area | .95 | |
| Bethel Service Area | .95 | |
| -Special Access Line | | |
| Monthly Rate (AP SALM, AAP50 SALM, AP50 ACM, AAP50 ACM) | | |
| General Service Area | 25.85 | |
| Bethel Service Area | 25.85 | |
| Daily Rate (AP50 SALD, AAP50 SALD, AP50 ACD, AAP50 ACD) | | |
| General Service Area | 2.58 | |
| Bethel Service Area | 2.58 | |

(B) Optional Arrangements

| | | |
|---|---|---|
| Supplemental Features (Per Special Access) | | |
| -Program Audio Bridging | | |
| Monthly Rate (AP B, AAP B) | | |
| General Service Area | 6.43 | |
| Bethel Service Area | 6.43 | |
| Initial Nonrecurring charge (NAP BI, NAAP BI) | | |
| General Service Area | | 290.20 |
| Bethel Service Area | | 290.20 |
| Subsequent Nonrecurring charge (NAP BS, NAAP BI) | | |
| General Service Area | | 310.74 |
| Bethel Service Area | | 310.74 |
| -Conditioning Program Audio-Zero Loss | | |
| Monthly (AP CZL, AAP CZL) | | |
| General Service Area | 2.47 | |
| Bethel Service Area | 2.47 | |
| Initial Nonrecurring charge (NAPCZLI, NAAPCZLI) | | |
| General Service Area | | 8.49 |
| Bethel Service Area | | 8.49 |
| Subsequent Nonrecurring charge (NAPCZLS, NAAPCZLS) | | |
| General Service Area | | 8.49 |
| Bethel Service Area | | 8.49 |

5.7.8 Program Audio* (50-8000 Hz Facilities) (Grandfathered effective 12/19/13) (C)

(A) Standard Arrangements

| | |
|---|---|
| -Special Transport (Per Airline Mile) | |
| Monthly Rate (AP8O STM, AAP80 STM) | |
| General Service Area | 12.64 |
| Bethel Service Area | 12.64 |
| Daily Rate (AP8O STD, AAP80 STD) | |
| General Service Area | 1.26 |
| Bethel Service Area | 1.26 |
| -Special Access | |
| Monthly Rate (AP8O, SALM, AAP80 SALM, AP80 ACM, AAP8O ACM) | |
| General Service Area | 26.65 |
| Bethel Service Area | 26.65 |
| Daily Rate (AP8O, SALD, AAP8O SALD, AP8O ACD, AAP8O ACD) | |
| General Service Area | 2.66 |
| Bethel Service Area | 2.66 |

* Effective December 19, 2013 Program Audio Services are grandfathered and no longer available to new customers. Moves, additions or changes to subscribers' existing service will not be permitted. (C)

SPECIAL ACCESS

5.7 Rates and Charges (Cont'd)

5.7.8 Program Audio* (50-8000 Hz Facilities) (Cont'd) (Grandfathered effective 12/19/13) (C)

(B) Optional Arrangements

| | | Monthly | NRC |
|---|---|---|---|
| Supplemental Features (Per Special Access) | | | |
| -Program Audio Bridging | | | |
| Monthly Rate (AP B, AAP B) | | | |
| General Service Area | 6.43 | | |
| Bethel Service Area | 6.43 | | |
| Initial Nonrecurring charge (NAP BI, NAAP BI) | | | |
| General Service Area | | 290.20 | |
| Bethel Service Area | | 290.20 | |
| Subsequent Nonrecurring charge (NAP BS, NAAP BS) | | | |
| General Service Area | | 310.74 | |
| Bethel Service Area | | 310.74 | |
| Conditioning Program Audio-Zero Loss | | | |
| Monthly(AP CZL, AAP CAL) | | | |
| General Service Area | 2.47 | | |
| Bethel Service Area | 2.47 | | |
| Initial Nonrecurring charge (NAPCZLI, NAAPCZLI) | | | |
| General Service Area | | 8.49 | |
| Bethel Service Area | | 8.49 | |
| Subsequent Nonrecurring charge (NAPCZLS, NAAPCZLS) | | | |
| General Service Area | | 8.49 | |
| Bethel Service Area | | 8.49 | |

5.7.9 Program Audio* (50-15000 Hz Facilities) (Grandfathered effective 12/19/13) (C)

(A) Standard Arrangements

| | | | |
|---|---|---|---|
| -Special Transport (Per Airline Mile) | | | |
| MonthlyRate (AP15O STM, AAP15O STM) | | | |
| General Service Area | 18.97 | | |
| Bethel Service Area | 18.97 | | |
| Daily Rates (AP15O STD, AAP150 STD) | | | |
| General Service Area | 1.89 | | |
| Bethel Service Area | 1.89 | | |
| -Special Access Line | | | |
| Monthly Rate (AP15O SALM, AAP15O SALM, AP150 ACM, AAP15O ACM) | | | |
| General Service Area | 29.06 | | |
| Bethel Service Area | 29.06 | | |
| Daily Rate (AP15O SALD, AAP15O SALD, AP150 ACD, AAP15O ACD) | | | |
| General Service Area | 2.90 | | |
| Bethel Service Area | 2.90 | | |

(B) Optional Arrangements

| | | | |
|---|---|---|---|
| Supplemental Features (Per Special Access) | | | |
| -Program Audio Bridging | | | |
| Monthly Rate (AP B, AAP B) | | | |
| General Service Area | 6.43 | | |
| Bethel Service Area | 6.43 | | |
| Initial Nonrecurring charge (NAP BI, NAAP BI) | | | |
| General Service Area | | 290.20 | |
| Bethel Service Area | | 290.20 | |

* Effective December 19, 2013 Program Audio Services are grandfathered and no longer available to new customers. Moves, additions or changes to subscribers' existing service will not be permitted. (C)

SPECIAL ACCESS

5.7 Rates and Charges (Cont'd)

5.7.9 Program Audio* (50-15000 Hz Facilities) (Cont'd) (Grandfathered effective 12/19/13) (C)

(B) Optional Arrangements (Cont'd)

| | | Monthly | NRC |
|---|---|---|---|
| -Program Audio Bridging (Cont'd) | | | |
| Subsequent Nonrecurring charge (NAP BS, NAAP BS) | | | |
| General Service Area | | $310.74 | |
| Bethel Service Area | | 310.74 | |
| -Conditioning-Program Audio | | | |
| Stereo Conditioning | | | |
| Monthly Rate (AP 15O CS, AAP15O CS) | | | |
| General Service Area | $0.48 | | |
| Bethel Service Area | 0.48 | | |
| Initial Nonrecurring charge (NAP15OSI, NAAP15OSI) | | | |
| General Service Area | | 29.41 | |
| Bethel Service Area | | 29.41 | |
| Subsequent Nonrecurring charge (NAP15OSS, NAAP15OSS) | | | |
| General Service Area | | 29.41 | |
| Bethel Service Area | | 29.41 | |
| Zero Loss Conditioning | | | |
| Monthly Rate (AP CZL, AAP CZL) | | | |
| General Service Area | 2.47 | | |
| Bethel Service Area | 2.47 | | |
| Initial Nonrecurring charge (NAPCZLI, NAAPCZLI) | | | |
| General Service Area | | 8.49 | |
| Bethel Service Area | | 8.49 | |
| Subsequent Nonrecurring charge (NAPCZLS, NAAPCZLS) | | | |
| General Service Area | | 8.49 | |
| Bethel Service Area | | 8.49 | |

5.7.10 High Capacity Digital DSI (1.544 Mbps Facilities)

(A) Standard Arrangements

| | | | |
|---|---|---|---|
| -Special Transport (Per Airline Mile) | | | |
| Monthly Rate (AHCDI ST, AAHCDI ST) | | | |
| General Service Area | 38.75 | | |
| Bethel Service Area | 38.75 | | |
| -Special Transport - MetroLAN (Per DS1) | | | |
| Monthly Rate (10XTX) | | | |
| General Service Area | 75.00 | | |
| -Special Access Line | | | |
| Monthly Rate (AHCDI SAL,AAHCDI SAL, AHCDI AC, AAHCDI AC) | | | |
| General Service Area | 42.03 | | |
| Bethel Service Area | 42.03 | | |

* Effective December 19, 2013 Program Audio Services are grandfathered and no longer available to new customers. Moves, additions or changes to subscribers' existing service will not be permitted. (C)

SPECIAL ACCESS

5.7 Rates and Charges (Cont'd)

5.7.10 High Capacity Digital DSI (1.544 mbps Facilities)(Cont'd)

(B) Optional Arrangements

| | Monthly | NRC |
|---|---|---|
| Supplemental Features (Per Access Line) | | |
| -Automatic Protection Switching | | |
| Monthly Rate(AHCDI APS, AAHCDI APS) | | |
| General Service Area | $60.55 | |
| Bethel Service Area | 60.55 | |
| Initial Nonrecurring charge (NAHCDIAPSI, NAAHCDIAPSS) | | |
| General Service Area | | $456.32 |
| Bethel Service Area | | 456.32 |
| Subsequent Nonrecurring charge (NAHCDIAPSS, NAAHCDIAPSS) | | |
| General Service Area | | 456.32 |
| Bethel Service Area | | 456.32 |

5.7.11 High Capacity Digital DSIC (3.152 Mbps Facilities)

(A) Standard Arrangements

| | |
|---|---|
| -Special Transport (Per Airline Mile) | |
| Monthly Rate(AHCD3 ST, AAHCD3 ST) | |
| General Service Area | 40.08 |
| Bethel Service Area | 40.08 |

5.7.12 (Reserved for Future Use)

5.7.13 (Reserved for Future Use)

5.7.14 (Reserved for Future Use)

5.7.15 Digital Data Service Facilities

(A) Standard Arrangements

| | |
|---|---|
| -Special Transport (Per Airline Mile) | |
| Monthly Rate(ADD ST, AADD ST) | |
| General Service Area | 9.13 |
| Bethel Service Area | 9.13 |
| -Special Access Line (2.4 Kbps, 4.8 Kbps, 9.6 Kbps, 56 Kbps) | (C) |
| Monthly Rate (ADD SAL, AADD SAL,ADD AC, AADD AC) | |
| General Service Area | 79.32 |
| Bethel Service Area | 79.32 |

(B) DDS Optional Payment Plan (C)

-Special Access Line

| | Monthly Rates | | | |
|---|---|---|---|---|
| | 1 Year | 3 Year | 5 Year | |
| 2.4, 4.8, 9.6, 56 Kbps | $89.32 | $79.32 | $69.32 | 0.00 |

(C) Optional Arrangements

| | | |
|---|---|---|
| Supplemental Features (Per Special Access) | | |
| -DDS Bridging | | |
| Monthly Rate (ADD B, AADD B) | | |
| General Service Area | $222.62 | |
| Bethel Service Area | 222.62 | |
| Initial Nonrecurring charge (NADDBI, NAADDBI) | | |
| General Service Area | | 8040.20 |
| Bethel Service Area | | 8040.20 |
| Subsequent Nonrecurring charge (NADDBS, NAADDBS) | | |
| General Service Area | | 8060.74 |
| Bethel Service Area | | 8060.74 |

(C) Indicates Change

SPECIAL ACCESS

5.7 Rates and Charges (Cont'd)

5.7.16 Multiplexing Arrangements

| | Monthly | NRC |
|---|---|---|
| (A) Voice to Narrowband | | |
| Monthly Rate (AV/N, AAV/N) | | |
| General Service Area | 420.98 (I) | |
| Bethel Service Area | 420.98 (I) | |
| Initial Nonrecurring charge (NAV/NI, NAAV/NS) | | |
| General Service Area | | 6706.87(I) |
| Bethel Service Area | | 6706.87(I) |
| Subsequent Nonrecurring charge (NAV/NS, NAAV/NS) | | |
| General Service Area | | 6706.87(I) |
| Bethel Service Area | | 6706.87(I) |
| (B) DSI to Voice | | |
| Monthly Rate (ADSI/V, AADSI/V) | | |
| General Service Area | 174.67 (D) | |
| Bethel Service Area | 174.67 (D) | |
| Initial Nonrecurring charge (NADSI/VI, NAADSI/VI) | | |
| General Service Area | | 1219.94(D) |
| Bethel Service Area | | 1219.94(D) |
| Subsequent Nonrecurring charge (NADSI/VS, NAADSI/VS) | | |
| General Service Area | | 1219.94(D) |
| Bethel Service Area | | 1219.94(D) |
| (C) DSIC to Voice | | |
| Monthly Rate (ADSIC/V, AADSIC/V | | |
| General Service Area | * | (C) |
| Bethel Service Area | * | |
| Initial Nonrecurring charge (NADSIC/VI, NAADSIC/VI) | | |
| General Service Area | | * (C) |
| Bethel Service Area | | * |
| Subsequent Nonrecurring charge (NADSCI/VS, NAADSCI/VS) | | |
| General Service Area | | * (C) |
| Bethel Service Area | | * |
| (D) DSIC TO DSI | | |
| Monthly Rate (ADSIC/DSI, AADSIC/DSI) | | |
| General Service Area | | * (C) |
| Bethel Service Area | | * |
| Initial Nonrecurring charge (NADSIC/DS1I, NAADSIC/DS1I) | | |
| General Service Area | | * (C) |
| Bethel Service Area | | * |
| Subsequent Nonrecurring charge (NADSIC/DSIS, NAADSIC/DSIS) | | |
| General Service Area | | * (C) |
| Bethel Service Area | | * |
| (E) Digital Data Carrier Multiplexer | | |
| Common Equipment | | |
| Monthly Rate (ADDCMCE, AADDCMCE) | | |
| General Service Area | 144.74 | |
| Bethel Service Area | 144.74 | |
| Initial Nonrecurring charge (NADDCMCEI, NAADDCMCEI) | | |
| General Service Area | | 3956.20 |
| Bethel Service Area | | 3956.20 |
| Subsequent Nonrecurring charge (NADDCMCES, NAADDCMCES) | | |
| General Service Area | | 3976.74 |
| Bethel Service Area | | 3976.74 |

*Available as ICB.

SPECIAL ACCESS

5.7 Rates and Charges (Cont'd)

5.7.16 Multiplexing Arrangements (Cont'd)

(E) Digital Data Carrier Multiplexer (Cont'd)

| | Monthly | NRC |
|---|---|---|
| Each 64 Kbps Port Equipped | | |
| Monthly Rate (ADDCMP, AADDCMP) | | |
| General Service Area | 152.79 | |
| Bethel Service Area | 152.79 | |
| Initial Nonrecurring charge (NADDCMPI, NAADDCMPI) | | |
| General Service Area | | 3956.20 |
| Bethel Service Area | | 3956.20 |
| Subsequent Nonrecurring charge (NADDCMPS, NAADDCMPS) | | |
| General Service Area | | 3976.74 |
| Bethel Service Area | | 3976.74 |

(F) Digital Data Subrate Multiplexer

| | | |
|---|---|---|
| One 64 Kbps to Twenty 2.4 Kbps | | |
| Monthly Rate (ADDSM/20, AADDSM/20) | | |
| General Service Area | 89.68 (D) | |
| Bethel Service Area | 89.68 (D) | |
| Initial Nonrecurring charge (NADDSM/20I, NAADDSM/20I) | | |
| General Service Area | | 612.64(D) |
| Bethel Service Area | | 612.64(D) |
| Subsequent Nonrecurring charge (NADDSM/20S, NAADDSM/20S | | |
| General Service Area | | 612.64(D) |
| Bethel Service Area | | 612.64(D) |
| One 64 Kbps to Ten 4.8 Kbps | | |
| Monthly Rate(ADDSM/10, AADDSM/10) | | |
| General Service Area | 68.40 (D) | |
| Bethel Service Area | 68.40 (D) | |
| Initial Nonrecurring charge (NADDSM/10I, NAADDSM/10I) | | |
| General Service Area | | 581.21(D) |
| Bethel Service Area | | 581.21(D) |
| Subsequent Nonrecurring charge (NADDSM/10S, NAADDSM/10S) | | |
| General Service Area | | 581.21(D) |
| Bethel Service Area | | 581.21(D) |

(D) Indicates Decrease

SPECIAL ACCESS

5.7 Rates and Charges (Cont'd)

5.7.16 Multiplexing Arrangements (Cont'd)

| | Monthly | NRC |
|---|---|---|
| (F) Digital Data Subrate Multiplexer (Cont'd) | | |
| One 64 Kbps to Five 9.6 Kbps | | |
| Monthly Rate (ADDSM/5, AADDSM/5) | | |
| General Service Area | 61.01 (D) | |
| Bethel Service Area | 61.01 (D) | |
| Initial Nonrecurring charge (NADDSM/5I, NAADDSM/5I) | | |
| General Service Area | | 509.91(D) |
| Bethel Service Area | | 509.91(D) |
| Subsequent Nonrecurring charge (NADDSM/5S, NAADDSM/5S) | | |
| General Service Area | | 509.91(D) |
| Bethel Service Area | | 509.91(D) |
| (G) Digital Data Office Channel Unit | | |
| -2.4 Kbps | | |
| Monthly Rate (ADDOC24, AADDOC24) | | |
| General Service Area | 10.60 | |
| Bethel Service Area | 10.60 | |
| Initial Nonrecurring charge (NADDOC24I, NAADDOC24I) | | |
| General Service Area | | 94.06 |
| Bethel Service Area | | 94.06 |
| Subsequent Nonrecurring charge (NADDOC24S, NAADDOC24S) | | |
| General Service Area | | 114.60 |
| Bethel Service Area | | 114.60 |
| -4.8 Kbps | | |
| Monthly Rate (ADDOC48, AADDOC48) | | |
| General Service Area | 10.87 | |
| Bethel Service Area | 10.87 | |
| Initial Nonrecurring charge (NADDOC48I, NAADDOC48I) | | |
| General Service Area | | 95.56 |
| Bethel Service Area | | 95.56 |
| Subsequent Nonrecurring charge (NADDOC48S, NAADDOC48S) | | |
| General Service Area | | 116.10 |
| Bethel Service Area | | 116.10 |

(D) Indicates Decrease

5.7 Rates and Charges (Cont'd)

5.7.16 Multiplexing Arrangements (Cont'd)

| | Monthly | NRC |
|---|---|---|
| (G) Digital Data Office Channel Unit (Cont'd) | | |
| -9.6 Kbps | | |
| Monthly Rate (ADDOC96, AADDOC96) | | |
| General Service Area | 11.12 | |
| Bethel Service Area | 11.12 | |
| Initial Nonrecurring charge (NADDOC96I, NAADDOC96S) | | |
| General Service Area | | 96.91 |
| Bethel Service Area | | 96.91 |
| Subsequent Nonrecurring charge (NADDOC96S, NAADDOC96S) | | |
| General Service Area | | 117.45 |
| Bethel Service Area | | 117.45 |
| -56 Kbps | | |
| Monthly Rate (ADDOC56, AADDOC56) | | |
| General Service Area | 108.81 | |
| Bethel Service Area | 108.81 | |
| Initial Nonrecurring charge (NADDOC56I, NAADDOC56I) | | |
| General Service Area | | 3111.20 |
| Bethel Service Area | | 3111.20 |
| Subsequent Nonrecurring charge (NADDOC56S, NAADDOC56S) | | |
| General Service Area | | 3131.74 |
| Bethel Service Area | | 3131.74 |

5.7.17 Wideband Embedded Services

| | |
|---|---|
| Monthly Rate (AWBS AAWBS) | |
| General Service Area | 8997.00 |
| Bethel Service Area | NA |

SPECIAL ACCESS

5. SPECIAL ACCESS (Cont'd)

5.8 Miscellaneous Special Access Services

5.8.1 (Reserved for Future Use)

5.8.2 (Reserved for Future Use)

5.8.3 (Reserved for Future Use)

5.8.4 (Reserved for Future Use)

5.8.5 Clear Channel Capability

(A) Description of Service

An arrangement that allows the customer to transport 1.536 Mbps of information through a DS1 with no constraint on the quantity or sequence of one (mark) and zero (space) bits utilizing the Bipolar with Eight Zero Substitution (B8ZS) method of providing bit sequence independence. This arrangement is capable of transporting DS1 signals which utilize Superframe or Extended Superframe Format (ESF) as defined by the American National Standards Institute (ANSI) T1.107-1988 standard. The installation interval for Clear Channel Capability may exceed standard intervals where equipment in the central office is not readily available. The charges apply on a per SAL basis.

This arrangement requires the customer signal at the channel interface to conform to the B8ZS method of providing bit sequence independence, as described in ANSI T1.102-1987 and Section 6103 of the Verizon Technical Interface Reference Manual.

The DS1 Special Access Line provided under this tariff will not be billed when used with ISDN PRI that uses alternate higher capacity digital facilities for the loop transport. This includes providing service using DS3s, or under (the) Tariff FCC No. 14, Section 20 – Optical Networking when the optical node is at the same location, or comparable local tariffs and special assemblies. A DS1 Special Access Line provided to the serving wire center at which the customer obtains ISDN PRI Service will be transmitted with B8ZS Clear Channel Capability per Technical Reference Publication GR-342, Issue 1. (C)

(B) Rates, Per DS1 SAL

| | Monthly Charge | Nonrecurring Charge |
|---|---|---|
| General Service Area | $23.81 | $90.00 |
| Bethel Service Area | 23.81 | 90.00 |

5.9 (Reserved for Future Use)

5.10 Special Access Cross Connect Rates and Charges

General and Bethel Service Area

| | |
|---|---|
| Per DS1 Connection* | 3.69 |
| Per DS3 Connection* | 33.55 |
| Per DSO Connection | 1.00 |

* Pursuant to the FCC Common Carrier Bureau Order, CC Docket No. 94-97 (DA94-1421), released December 9, 1994, these rate elements are adjusted by applying the following Rate Adjustment Factor (RAF) specified below.

| | RAF |
|---|---|
| Per DS1 Connection | 0.74 |
| Per DS3 Connection | 0.89 |