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SPECIAL ACCESS SERVICE

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{1} Obsolete -- Applicable to existing installations at existing locations for existing customers.

SPECIAL ACCESS SERVICE

7. Special Access Service

7.1 Service Provisioning

Special Access Service includes all exchange access not using SWBT end office switches.

- Special Access Service, with the exception of the WATS Access Line{2}, Network Reconfiguration Service and Transport Resource Management Service, provides a transmission path connecting customer designated premises {1}, either directly or through a SWBT hub where bridging, multiplexing, Network Reconfiguration Service or Transport Resource Management Service functions are performed. (Network Reconfiguration Service and Transport Resource Management Service, as set forth in Section 18, work in conjunction with Special Access Service allowing customers the ability to reconfigure their circuits.) (C)
- The WATS Access Line{2}, offered under Voice Grade{2} Service, (C) provides a transmission path connecting a customer designated premises with the WATS serving office.

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

{1} SWBT Centrex CO-like switches and SWBT Answering Service Concentrators are considered to be customer premises for purposes of administering regulations and rates contained in this tariff.

{2} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

SPECIAL ACCESS SERVICE

7.1 Service Provisioning (Cont'd)

7.1.1 Types of Service Configurations

There are types of service configurations over which Special Access Services are provided, as shown following.

(A) Two Point Service

A two-point service connects two customer designated premises, either on a directly connected basis or through a hub where multiplexing, Network Reconfiguration Service or Transport Resource Management Service functions are performed.

(B) Multipoint Service

Multipoint service connects three or more customer designated premises through a SWBT hub.

Only certain types of Special Access Service are provided as multipoint service. These are so designated in the Service Descriptions set forth in 7.3 (Service Description, Rates and Charges).

There is no limitation on the number of mid-links (channels between hubs) available with multipoint service. However, when more than three mid-links are provided in tandem, the quality of the service may be degraded.

Multipoint service using a customized technical specifications package, as set forth in 7.3 (Service Description, Rates and Charges), will be provided when technically possible. If SWBT determines that the requested characteristics for a multipoint service are not compatible, the customer will be advised and given the opportunity to change the order.

(C) Multiplexed Service

Multiplexed service is an arrangement that allows the conversion of Voice Grade{2}, Analog{2}, and Digital High Capacity facilities to lower capacity or bandwidth. The types of multiplexing available are as follows: (C)

- (1) Voice Grade to Telegraph{2} (43 Type Carrier) (C)
An arrangement that converts a Voice Grade channel to Telegraph Grade channels using frequency division multiplexing.
- (2) Wideband Analog{3} Mastergroup to Supergroup (C)
(D)
- (3) Wideband Analog{3} Supergroup to Group (C)
(D)
- (4) Wideband Analog{3} Group to Voice Grade (C)
An arrangement that converts a Group channel to twelve Voice Grade{2} channels using frequency division multiplexing. A channel(s) of this Group level service to the hub can also be used for Program Audio service. {1}{4} (C)

{1} Obsolete -- Applicable to existing installations at existing locations for existing customers.

{2} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

{3} Wideband Services were previously removed effective November 11, 2014.

{4} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after December 1, 2021. (N)

SPECIAL ACCESS SERVICE

7.1 Service Provisioning (Cont'd)

7.1.1 Types of Service Configurations (Cont'd)

(C) Multiplexed Service (Cont'd)

(6) High Capacity (DS1) to Voice Grade

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade{1} services. A channel of this DS1 to the hub can also be used for Digital Link{1}, Program Audio{2}, Metallic{1} service or WATS Access Lines{1}. (C)
(C)
(C)

(7) High Capacity (DS1) to DSO

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

(8) High Capacity DSO to Subrate{1}

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

(M)

(M)

{1} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

{2} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after December 1, 2021. (N)

(D)

SPECIAL ACCESS SERVICE

7.1 Service Provisioning (Cont'd)

7.1.1 Types of Service Configurations (Cont'd)

(D) WATS Access Line Service{3}

WATS Access Line Service connects a customer designated premises with the WATS serving office and is provided solely in conjunction with Switched Access Service, Feature Groups D, as set forth in Section 6.

- Except as specified in Footnote {2} WATS Access Lines may not be used for the completion of Local Exchange Service calls. {1}

The following diagram depicts a WATS Access Line Service connecting a customer designated premises to a WATS serving office. The applicable rate elements are:

- Channel Termination (1 applicable)
- Channel Mileage

(M) (C)

(M)

(D)

{1} When an end-user is located in an exchange other than the exchange where the end-user's WATS serving office is located, and the end-user's exchange and the exchange of the WATS serving office have different calling scopes, the blocking of local calls on foreign exchange served WATS access lines will be used on the calling scope of the end-user's exchange rather than the exchange of the WATS serving office. Because of technical problems in certain foreign exchange WATS serving offices, SWBT may not be able to block local calls within the end-user's exchange; therefore, no blocking of local calls in the end-user's exchange will occur.

{2} All calls dialed in the 800 format irrespective of jurisdiction and including local 800 calls are not affected by this restriction.

{3} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)

(N)

SPECIAL ACCESS SERVICE

7.1 Service Provisioning (cont'd)

7.1.2 Types of Channels

For the purpose of ordering, the categories (channel types) of Special Access Service are:

Metallic {2}	(C)
Telegraph Grade {2}	
Voice Grade {2}	
Program Audio {1}{3}	(C)
(Deleted)	(D)
(Deleted)	(D)
Digital Link Service {2}	(C)
High Capacity	(C)

Detailed descriptions of each of the channel types are provided in 7.3 (Service Descriptions, Rates and Charges).

{1} Obsolete -- Applicable to existing installations at existing locations for existing customers.

{2} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

{3} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after December 1, 2021.

(N)
|
(N)

SPECIAL ACCESS SERVICE

7.1 Service Provisioning (Cont'd)

7.1.3 Hubs

(A) General

A hub is a SWBT designated serving wire center at which bridging, multiplexing or Network Reconfiguration Service functions are performed.

- The bridging functions performed may be (1) to connect three or more customer designated premises in a multipoint arrangement, or (2) to reterminate Network Reconfiguration Service or Transport Resource Management Service as set forth in Section 18 (Network Management Service).
- The multiplexing functions are to channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth.

Some of the types of multiplexing available include the following:

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

End to end services may be provided on channels of these facilities to a hub. The transmission performance for the end to end service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is multiplexed to voice frequency channels, the transmission performance of the channelized services will be Voice Grade{1}, not High Capacity. (C)

Cascading multiplexing occurs when a High Capacity digital channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed. For example, a Supergroup facility is de-multiplexed to five Group facilities and then one of the Group facilities is further de-multiplexed to individual Voice Grade{1} channels. (C)

The Network Reconfiguration Service and Transport Resource Management Service offerings allow the customer to reconfigure their Special Access Services.

(B) Types of Hubs

There are two types of bridging hubs and three types of multiplexing hubs. Bridging hubs are either intermediate or terminus. Multiplexing hubs are intermediate, super intermediate or terminus. The definitions for these hubs are as follows:

(1) Intermediate Bridging Hub

An intermediate bridging hub provides for the connection of three or more customer designated premises to form a Special Access multipoint service serving itself and a specified number of subtending wire centers.

{1} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

SPECIAL ACCESS SERVICE

7.1 Service Provisioning (Cont'd)

7.1.3 Hubs (Cont'd)

(B) Types of Hubs (Cont'd)

(2) Terminus Bridging Hub

A terminus bridging hub provides for the connection of three or more customer designated premises to form a Special Access multipoint service within that bridging hub. For the purpose of multipoint service, the only instance when a terminus bridging hub may be connected to another office will be to interconnect to another bridging office when a bridging function is being performed.

(3) Intermediate Multiplexing Hub

An intermediate multiplexing hub converts from higher to lower bit rate, or bandwidth, or from digital to voice grade{1} channels, serving itself and a specified number of (C) subtending wire centers.

(4) Super Intermediate Multiplexing Hub

A super intermediate multiplexing hub converts from higher to lower bit rate, or bandwidth, or from digital to voice grade{1} channels, serving itself and/or subtending wire (C) centers in an entire LATA, or one or more Numbering Plan Areas (NPAs).

(5) Terminus Multiplexing Hub

A terminus multiplexing hub converts from higher to lower bit rate, or bandwidth, or from digital to voice grade{1} (C) channels, serving customers in that wire center only.

{1} Effective June 30, 2021, this Service will no longer be available for (N)
purchase by new or existing customers. In addition, requests to move,
add, change, or renew existing service arrangements will not be accepted.
Following the expiration of a customer's existing term agreement, service
will be provided on a month-to-month basis at the applicable Monthly rates
until the service is discontinued. The Company currently plans to
discontinue this service on or after June 30, 2024. (N)

SPECIAL ACCESS SERVICE

7.1 Service Provisioning (Cont'd)

7.1.4 Ordering Options and Provisions

Each channel type is identified as a type of Special Access Service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. For example, if a customer's equipment is capable of transmitting voice over a channel that is identified as a Metallic{2} Service in this tariff, there is no restriction against doing so. (C)

Customers can order a basic channel and select from a list of available transmission parameters and channel interfaces to meet specific communications requirements.

Additionally, the customer may specify optional features for the individual channels derived from the facility to further tailor the channels to meet specific communications requirements. Descriptions of the optional features and functions available are set forth in 7.3 (Service Descriptions, Rates and Charges).

The customer has the option of ordering Voice Grade{2} and High Capacity (analog or digital) facilities (i.e., Group, Supergroup, Mastergroup, DS1 and DS3) to a SWBT facility hub for multiplexing to individual channels of lower capacity or bandwidth (i.e., Telegraph{2}, Voice{2}, Program Audio {1}{3}, etc.). Descriptions of the types of multiplexing available at the hubs, as well as the number of individual channels which may be derived from each type of facility are set forth in 7.3 (Service Descriptions, Rates and Charges). (C)

For example, a customer may order a 1.544 Mbps facility from a customer designated premises to a SWBT hub for multiplexing to Voice Grade{2}, which may be extended to other customer designated premises. Optional features may be added to either the 1.544 Mbps or the Voice Grade{2} channels. (C)

When ordering multipoint service, bridging or multiplexing, the customer will select the designated bridging hub(s) for its serving wire center from the National Exchange Carrier Association, Inc. Tariff F.C.C. No. 4 and will select the appropriate subtending wire centers from the Subtending Wire Center Section of F.C.C. No. 4. Different locations may be designated as hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location, while multiplexing from digital to analog may occur at a different location.

Special Access Service is ordered under the Access Order provisions set forth in Section 5 (Ordering Options for Switched and Special Access Services). Also included in that section are other charges which may be associated with ordering Special Access Service (e.g., Service Date Change Charges, Cancellation Charges, etc.). Ordering provisions as set forth in 2.6 (Jointly Provided Access Service) will apply when more than one local exchange company (LEC) is involved.

{1} Obsolete -- applicable to existing installations at existing locations for existing customers.

{2} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

{3} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after December 1, 2021.

(N)

(N)

SPECIAL ACCESS SERVICE

7.1 Service Provisioning (cont'd)

7.1.7 Acceptance Testing

Testing and test results are available at the customer's request as follows:

- A.** At no additional charge, SWBT will cooperatively test the following parameters at the time of installation:
 - 1.** For Voice Grade{2} analog service (including WATS Access Lines{2}), acceptance tests will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, and C-message noise when these parameters are applicable and specified in the order for service. Additionally, for Voice Grade{2} services, a balance test will be made if the customer has ordered the improved loss optional feature. (C)
 - 2.** For other analog services (i.e., Metallic{2}, Telegraph{2} and Program Audio {1}{3}), acceptance tests will include tests for the parameters applicable to the service as specified by the customer in the order for service. (C)
 - 3.** For digital services, acceptance tests will include tests applicable to the service as specified in the appropriate Technical References for Digital Link{2} and High Capacity services. (C)
- B.** In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade{2} and Digital services to test other parameters, as described in 13.3.7(A) (Additional Cooperative Acceptance Testing), is available. (C)

{1} Obsolete -- Applicable to existing installations at existing locations for existing customers.

{2} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

{3} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after December 1, 2021. (N)

SPECIAL ACCESS SERVICE

7.2 Rate Regulations (Cont'd)

7.2.4 Nonrecurring Charges

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

- Installation of Service
- Installation of Optional Features and Functions
- Service Rearrangements.

(A) Installation of Service

Nonrecurring charges apply to each service installed. These charges are set forth in 7.3 (Service Descriptions, Rates and Charges) as a nonrecurring charge for the Channel Termination rate element.

(B) Installation of Optional Features and Functions

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

The optional features for which nonrecurring charges apply are:

- Voice Grade Data Capability {2}
- Program Audio Gain Conditioning {1}{3}
- Program Audio Stereo {1}{3}
- Digital Link Secondary Channel {2}
- High Capacity Clear Channel Capability

(C)
|
(C)

(C) (Reserved for Future Use)

(D) Service Rearrangements

Service Rearrangements are changes to existing (installed) services which do not result in either (1) a change in the minimum period requirements as set forth in 5.3.4 (Minimum Period Charges) or (2) a change in the physical location of the Point of Termination at a customer designated premises.

Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. Changes in the physical location of the Point of Termination are treated as moves and are described and charged for as set forth in 7.2.7 (Moves).

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

{1} Obsolete -- Applicable to existing installations at existing locations for existing customers.

{2} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

{3} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after December 1, 2021.

(N)
|
(N)

SPECIAL ACCESS SERVICE

7.2 Rate Regulations (Cont'd)

7.2.4 Nonrecurring Charges (Cont'd)

(D) Service Rearrangements (Cont'd)

(1) Certain administrative changes will be made without charge to the customer. These administrative changes are as follows:

- Change of customer name, (i.e., the customer of record does not change but rather the customer of record changes its name--e.g., ABC Communications to All Business Concepts Communications).
- Change of customer's or customer's end user premises address when the change of address is not a result of a physical relocation of the service.
- Change in billing data (name, address, contact name, or telephone number).
- Change of agency authorization.
- Change of customer test line number.
- Change of customer's or customer's end user contact name or contact telephone number.
- Change of jurisdiction.

(2) When a customer requests a change in the customer of record (i.e., existing access service is provided and billed to a different entity), a nonrecurring charge will apply. This change is considered an administrative service rearrangement when the new customer assumes liability for all current and prior charges for the services(s) and has complied with the regulations and conditions as set forth in 2.2.1 (Assignment and Transfer of Facilities), and no physical relocation or rearrangement of the service is required.

(3) When a customer requests the following administrative changes, a nonrecurring charge will apply as set forth in 7.4(E) (Service Rearrangement Charge). Each leg of a multipoint service will be treated as a separate circuit and nonrecurring charges will apply per leg on a first and additional basis. If a change(s) for more than one multipoint service is requested on the same Access Order, one first nonrecurring charge will apply to a leg of the first multipoint service. One additional nonrecurring charge will apply to each of the remaining legs of all multipoint services on the same Access Order. The customer requesting administrative service rearrangements will be responsible for all billing associated with the changes requested.

- Change of Access Carrier Name Abbreviation (ACNA).
- Change of Customer Carrier Name Abbreviation (CCNA).
- Change of Billing Account Number (BAN) (e.g., a customer requests to aggregate all voice grade{1} circuits on one BAN).
- Change of customer Circuit Identification (CKR).

{1} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

SPECIAL ACCESS SERVICE

7.2 Rate Regulations (Cont'd)

7.2.4 Nonrecurring Charges (Cont'd)

(D) Service Rearrangements (Cont'd)

(4) (Reserved for Future Use)

(5) If the change involves the addition of other customer designated premises to an existing multipoint service, the nonrecurring charge for the Channel Termination rate element will apply. The charge(s) will apply only for the location(s) that is being added.

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

(7) If the change involves changing the type of signaling on a Voice Grade{1} service, a charge equal to the Voice Grade{1} channel termination rate element nonrecurring charge will apply. The charge will apply per service termination affected. (C)

(8) For all other changes, including the addition of an optional feature or function without a separate nonrecurring charge, or the retermination of Special Access circuits in a Network Reconfiguration Service hub or Transport Resource Management Service hub, a charge equal to a channel termination rate element nonrecurring charge will apply. Only one such charge will apply per service, per change.

{1} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

SPECIAL ACCESS SERVICE

7.2 Rate Regulations (cont'd)

7.2.7 Moves

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

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

The charges are dependent on the type of move requested by the customer.

A. Moves of the Point of Termination Within the Same Customer Premises

1. Rollover

A Rollover is a customer initiated move that involves a change of a Point of Termination from an existing service to another existing service within the same customer premises. The Rollover must occur within the same SWBT location.

Rollovers may be performed at the following service levels:

- Analog*/Digital Link{2} Service to 1.544 Mbps High Capacity (DS1) (C)
- 1.544 Mbps High Capacity (DS1) to 1.544 Mbps High Capacity (DS1)
- 1.544 Mbps High Capacity (DS1) to 44.736 Mbps High Capacity (DS3)

2. Relocation

When the move of the Point of Termination is to a new location within the same customer premises, the move will be treated as an extension of access service facilities. Extension of access service facilities will be provided, at the customer's request, on a time sensitive charge basis. The labor rates which apply are set forth in 13.4 (Rates and Charges). There will be no change in minimum period requirements.

B. Moves of a Customer Premises

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

- * Analog services include: Metallic Service{2}, Telegraph Grade{2} Service, Voice Grade{2} Service or Program Audio Service {1}{3}. (C)
(C)

{1} Obsolete -- Applicable to existing installations at existing locations for existing customers.

{2} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

{3} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after December 1, 2021. (N)

SPECIAL ACCESS SERVICE

7.2 Rate Regulations (Cont'd)

7.2.9 Facility Hubs

SWBT will commence billing the monthly rate for the facility to the hub on the date specified by the customer on the Access Order. Individual services using these facilities may be installed coincident with the installation of the facility to the hub or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a Voice Grade{1} or High Capacity digital Channel Termination, Channel Mileage (when applicable), and the Multiplexer at the time the facility is installed. Individual service rates (by service type) will apply for a Channel Termination, additional Channel Mileage (as required) and an Inside Wire Recovery charge, if applicable for each channelized service. These will be billed to the customer as each individual service is installed. The billing must be to the same customer for both parts of the service arrangement. (C)

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

SWBT will designate certain hubs for multipoint configurations and cross-connection of Program Audio{2} Services. The customer will be charged for each such connection made at the rates for Other Labor as set forth in Section 13.2.6(D) (Special Access Move Charges). The rates that apply for the service between each customer designated premises and the hub are a Channel Termination and Channel Mileage, if applicable. In addition, for Program Audio{2} Services, rates for optional features and functions and an Inside Wire Recovery Charge may be applicable. (C)

{1} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

{2} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after December 1, 2021. (N)

SPECIAL ACCESS SERVICE

7.2 Rate Regulations (Cont'd)

7.2.10 Shared Use Analog and Digital High Capacity Services

Shared use occurs when Special Access Service and Switched Access Service are provided over the same High Capacity facilities through a common interface. The facility will be ordered, provided and rated as Special Access Service (i.e., Channel Termination, Channel Mileage, as appropriate, and Multiplexer). The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate High Capacity Channel Termination. Rating as Special Access will continue until such time as a portion of the available capacity for providing Special Access Service is used to provide Switched Access Service; in these cases the customer for the Special Access and the Switched Access Service may be different. When the Special Access customer is not the same as the Switched Access Customer, all Special Access charges and Switched Transport charges (including Switched Transport features charges) will be billed to the customer who initially ordered the Special Access Service. All other Switched Access charges will be separately billed to the customer who initially ordered the Switched Access Service. As each individual channel is activated for Switched Access Service, the Special Access Channel Termination, Channel Mileage and Multiplexer rates will be reduced accordingly (e.g., 1/12th for a Group level service, 1/24th for a DS1 service, etc.) except where that channel is utilized in conjunction with CCS/SS7 Interconnection Service. The customer must place an order for each individual Switched or Special Access Service using the shared use facilities and specify the channel assignment for each service.

Switched Access Service rates and charges as set forth in 6.9 (Rates and Charges) will apply for each channel of the shared use facility that is used to provide Switched Access Service. Where Special Access Service is provided using a channel of the shared use facility to the hub, High Capacity rates will apply for the facility to the hub as set forth preceding and individual service rates will apply from the hub to the customer designated premises. The rates that will apply to the portion from the hub to the customer designated premises will be dependent on the specific type of Special Access Service that is provided (e.g., Voice Grade{1}, Telegraph{1}, etc.). The applicable (C) rates will include a Channel Termination rate, Channel Mileage rates, if applicable and an Inside Wire Recovery Charge, if applicable. Rates for optional features and functions, if any, associated with the service will apply as set forth in 7.3 (Service Descriptions, Rates and Charges).

{1} Effective June 30, 2021, this Service will no longer be available for (N)
purchase by new or existing customers. In addition, requests to move,
add, change, or renew existing service arrangements will not be accepted.
Following the expiration of a customer's existing term agreement, service
will be provided on a month-to-month basis at the applicable Monthly rates
until the service is discontinued. The Company currently plans to
discontinue this service on or after June 30, 2024. (N)

SPECIAL ACCESS SERVICE

7.2 Rate Regulations (Cont'd)

7.2.11 WATS Access Lines{1}

(C)

When WATS Access Lines (WAL) are provided, the rate elements which apply are:

- WATS Access Line Termination
- Optional Features and Functions (when applicable)

The WATS Access Line Termination charge includes channel facilities from the customer premises to the serving wire center and where applicable, also include channel facilities from the serving wire center to the WATS serving office.

When extensions (i.e., additional terminations of the service at a different premises in the same or a different LATA) are provided, they are rated in the following manner. Both interLATA and intraLATA extensions require an additional WAL Channel Termination and Channel Mileage (as needed).

{1} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)

(N)

SPECIAL ACCESS SERVICE

7.2 Rate Regulations (Cont'd)

7.2.12 Two-Point Service

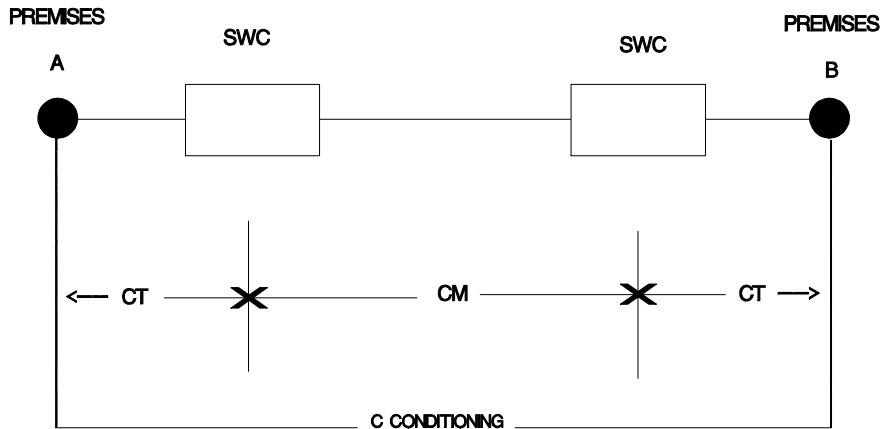
The rate elements applicable to a two-point service are:

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

In addition, a Special Access Surcharge, as set forth in 7.2.5 and a Message Station Equipment Recovery Charge, as set forth in 7.2.17 may be applicable.

The following diagram depicts a two-point Voice Grade{1} service, (C) provided with C-Conditioning, connecting two customer designated premises located 15 miles apart. The applicable rate elements are:

- Channel Termination (2 applicable)
- Channel Mileage (mileage band over 8 to 25 miles)
- C-Conditioning Optional Feature (1 per Channel Termination)



{1} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

SPECIAL ACCESS SERVICE

7.2 Rate Regulations (Cont'd)

7.2.13 Multipoint Service

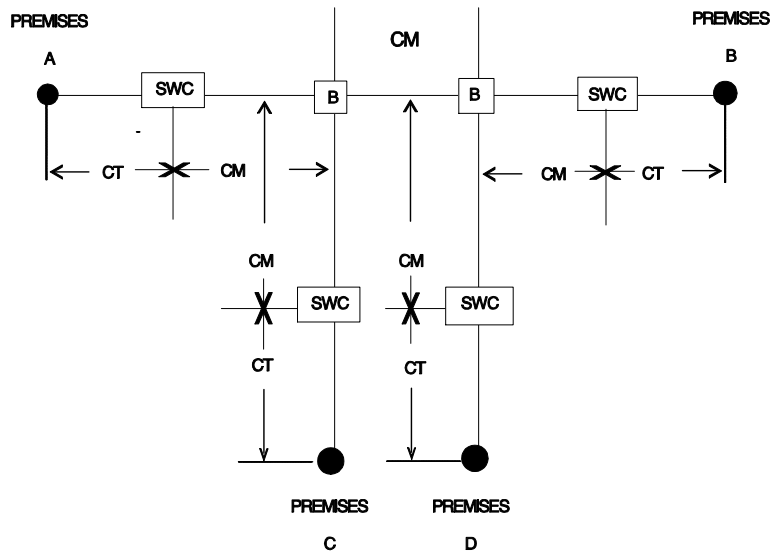
The rate elements applicable to multipoint service are as follows:

- Channel Terminations (one per customer designated premises)
- Channel Mileage (as applicable)
- Bridging
- Optional Features and Functions (when applicable)

In addition, the Special Access Surcharge, as set forth in 7.2.5, and a Message Station Equipment Recovery Charge, as set forth in 7.2.17 may be applicable.

(A) Following is an example of a multipoint service in which Voice Grade{1} multipoint service connects four customer premises via (C) two customer specified bridging hubs. The applicable rate elements are:

- Channel Termination (4 applicable)
- Channel Mileage (5 sections)
- Bridging Optional Feature (6 applicable, i.e., one at each bridge port)



{1} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

SPECIAL ACCESS SERVICE

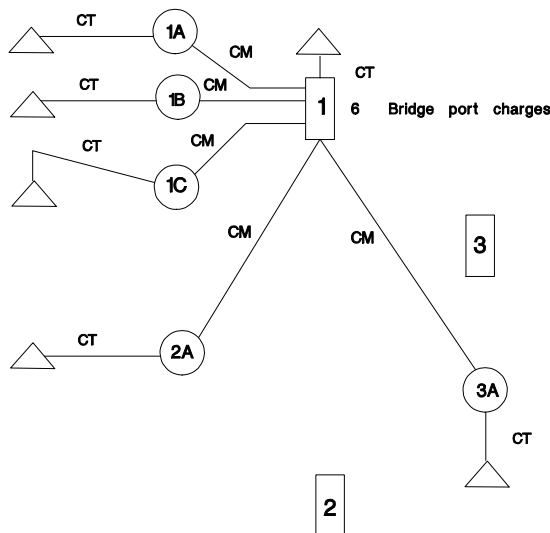
7.2 Rate Regulations (Cont'd)

7.2.13 Multipoint Service (Cont'd)

(B) An example of a hubbing arrangement, with its applicable rate elements indicated, is shown following:

Voice Grade{1} Multipoint where two offices do not subtend from (C) Intermediate Bridging Hub 1. The two offices subtend from separate Intermediate Hubs.

Office 2A subtends from Intermediate Hub 2. Office 3A subtends from Intermediate Hub 3. However, SWBT will serve offices 2A and 3A from the common bridge in Intermediate Hub 1.



Legend

- △ Customer Premises
- CM = Channel Mileage
- CT = Channel Termination
- ▭ Intermediate Bridging Hub and Serving Wire Center
- Terminus Bridging Hub and Serving Wire Center

{1} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

SPECIAL ACCESS SERVICE

7.2 Rate Regulations (Cont'd)

7.2.14 Multiplexed Service

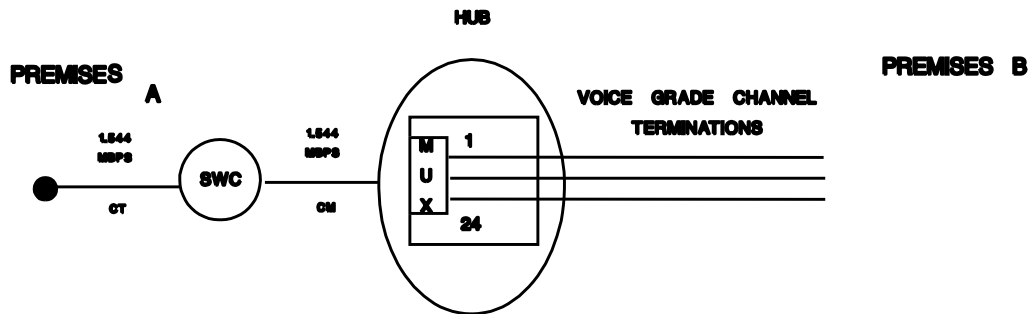
The rate elements applicable to be multiplexed service are as follows:

- Channel Terminations
- Channel Mileage
- Multiplexing

In addition, the Special Access Surcharge, as set forth in 7.2.5 and a Message Station Equipment Recovery Charge, as set forth in 7.2.17 may be applicable.

Following is an example of multiplexing a 1.544 Mbps channel to 24 Voice Grade{1} channels.

(C)



{1} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)
|
(N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges

7.3.1 General

The types of Special Access Service are:

Metallic (MT) {2}	(C)
Telegraph Grade (TG) {2}	
Voice Grade (VG) {2}	
Program Audio (AP) {1} {3}	(C)
Digital Link (DL) {2}	(C)
High Capacity (HC)	

Each of the channel types has its own characteristics. All are subdivided by one or more of the following:

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

A. Descriptions

Each service consists of a basic channel to which the following services can be added as required to construct the service desired by the customer:

- Technical specifications packages (customized or predefined)
- Channel interface(s)
- Optional features and functions.

Paragraph (A) of 7.3.2 through 7.3.11 provides a description of the characteristics of each basic channel type and indicates whether the channel is provided between customer designated premises or between a customer designated premises and a SWBT hub where bridging or multiplexing functions are performed. Customized channels are available as specified in 7.2.16.

{1} Obsolete -- Applicable to existing installations at existing locations for existing customers.

{2} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

{3} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after December 1, 2021.

(N)
|
(N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (cont'd)

7.3.1 General (cont'd)

B. Technical Specifications Packages (cont'd)

- The letter "C" following the two letter code indicates the technical specifications package for a customized service. For a customized service, the customer may select any parameters available with that category of service as long as the parameters are compatible. Customized technical specifications packages will be provided where technically feasible. If SWBT determines that the requested parameter specifications are not compatible, the customer will be advised and given the opportunity to change the order.

SWBT 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 listed in this provision will be maintained at the performance levels specified in this tariff.

All services installed after the effective date of this tariff will conform to the transmission specification standards contained in this tariff or in the following Technical References for each category of service.

Metallic {1}	TR-NPL-000336	(C)
Telegraph Grade {1}	TR-NPL-000336	
Voice Grade {1}	TR-TSY-000335	(C)
PUB	41004, Table 4	
WALS {1}	TR-NWT-000334	(C)
Program Audio {2}	TR-NPL-000337	(C)
Digital Link {1}	TR-NPL-000341	(C)
PUB	62310	
High Capacity	PUB 76625	
PUB	62411	
TR-INS-000342		

Customers who wish to obtain copies of these references may obtain ordering information from the User's Guide section of this tariff.

- {1} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.
- {2} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after December 1, 2021.

(N)
|
(N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.2 Metallic Service {1}

(C)

(A) Basic Channel Description

A Metallic channel is an unconditioned two-wire channel capable of transmitting low speed varying signals at rates up to 30 baud. This channel is provided by metallic or equivalent facilities. Metallic channels are provided between customer designated premises or between a customer designated premises and a SWBT hub where bridging functions are performed. Interoffice metallic facilities will be limited in length to a total of five miles per channel.

(B) Technical Specifications Packages

Transmission Parameter	Package MT-			
	<u>C</u>	<u>1</u>	<u>2</u>	<u>3</u>
DC Resistance				
Between Conductors	X	X	X	
Loop Resistance	X			X
Shunt Capacitance	X			X

(C) Channel Interfaces (CI)

The following channel interfaces identify the direct current or voltage at the interface.

CI	DC/Voltage
DC-1	Monitoring with series RC combination
DC-2	Energized interface
DC-3	DC Continuity

(D) Optional Features and Functions

	Package MT-			
	<u>C</u>	<u>1</u>	<u>2</u>	<u>3</u>
Central Office Bridging:				
Series Bridging	X		X	
Three Premises Bridging	X	X		X

(1) Central Office Bridging Capability:

(a) Series Bridging

Bridging of up to 26 customer designated premises.

(b) Three Premises Bridging

Provision of tip-to-tip and ring-to-ring connection in a central office of a metallic pair to a third customer designated premises.

{1} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)
 |
 (N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.2 Metallic Service {1}

(C)

(E) Rates and Charges

Each rate element is shown with its associated USOC, where appropriate.

	<u>Monthly Rate</u>		<u>Nonrecurring</u>
	<u>Fixed</u>	<u>Per Mile</u>	<u>Charge</u>
(1) <u>Channel Termination</u> (T6ECS)			
Per point of termination	\$ 17.91		\$ 75.80
(2) <u>Channel Mileage</u> (1L5XX)			
0 miles	0.00	0.00	
Over 0 miles	0.00	14.57	
(3) <u>Series Bridging</u> (BCNMS)			
Per Port	4.92		0.00
(4) <u>Three Premises Bridging</u> (BCNM3)			
Per Port	4.92		0.00

{1} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)
 |
 (N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.3 Telegraph Grade Service {1}

(C)

(A) Basic Channel Description

A Telegraph Grade channel is an unconditional channel capable of transmitting binary signals at rates of 0-75 baud or 0-150 baud. This channel is furnished for half-duplex or duplex operation. Telegraph Grade channels are provided between customer designated premises or between a customer designated premises and a SWBT hub.

(B) Technical Specifications Packages

Transmission Parameter	Package TG-
Telegraph Distortion	$\frac{C}{X}$ $\frac{1}{X}$ $\frac{2}{X}$

(C) Channel Interfaces (CI)

Following are channel interfaces normally associated with Telegraph Grade Service.

CI	Definition
DB10	108 Data Set
DB43	43 Telegraph Carrier
IA	E.I.A. RS-232
TT2	20 Ma
TT3	3 Ma
TT6	62.5 Ma

(D) (Reserved for Future Use)

{1} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)
|
(N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.3 Telegraph Grade Service {1}

(C)

(E) Rates and Charges

Each rate element is shown with its associated USOC, where appropriate.

	<u>Monthly</u>	<u>Rate</u>	<u>Nonrecurring</u>
	<u>Fixed</u>	<u>Per Mile</u>	<u>Charge</u>
(1) <u>Channel Termination</u>			
Per point of termination			
Two-wire (T6E2X)	\$ 24.22		\$ 75.80
Four-wire (T6E4X)	44.71		75.80
(2) <u>Channel Mileage (1L5XX)</u>			
0 miles	0.00	0.00	
Over 0 to 4	16.97	3.56	
Over 4 to 8	16.97	3.56	
Over 8 to 25	19.46	3.24	
Over 25 to 50	34.20	2.66	
Over 50	34.20	2.66	

{1} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)
 |
 (N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.4 Voice Grade Service⁴

(C)

(A) Basic Channel Description

A Voice Grade channel is a channel which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 hertz (Hz) and may be terminated two-wire or four-wire. Voice Grade channels are provided between customer designated premises, or between a customer designed premises and a SWBT hub.

(B) Technical Specification Packages

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

{1} The desired parameters are selected by the customer from the list of available parameters.

{2} Denotes WATS Access Lines (WALs).

{3} When WAL extensions are provided, Echo Control limits are not applicable.

{4} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)
 |
 (N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.4 Voice Grade Service {2} (Cont'd) (C)

(C) Channel Interfaces (CI)

The following channel interfaces are for Voice Grade Service.

<u>CI</u>	<u>Signaling Capability Required</u>	<u>Signaling Not Required</u>
AB	X	
AC	X	
AH		X
CT	X	
DA		X
DB		X
DD		X
DE		X
DS		X
DX	X	
DY	X	
EA	X	
EB	X	
EC	X	
EX	X	
GO	X	
GS	X	
LA	X	
LB	X	
LC	X	
LO	X	
LR	X	
LS	X	
NO		X
PR		X
RV	X	
SF	X	
TF		X

The following channel interfaces are for WALS {2}. (C)

<u>CI</u>	<u>Signaling {1} Required</u>	<u>Signaling Not Required</u>
DS	X	
GS	X	
LS	X	

(D) (Reserved for Future Use)

(E) Four-Wire/Two-Wire Conversion

When a customer requests that an effective four-wire channel be terminated with a two-wire channel interface at the customer designated premises, a four-wire to two-wire conversion is required. The rate for the conversion is included as part of the basic Channel Termination rate.

{1} Signaling as defined in 6.4.2 (Local Transport Features).
 {2} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.4 Voice Grade Service{5} (Cont'd) (C)

(F) Optional Features and Functions

	<u>C</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	Package VG-				<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>W</u> ¹
Central Office Bridging Capability	X		X			X	X				X	X	X	
C-Conditioning C-Type	X					X	X	X	X	X	X			
Conditioning {2}	X					X	X	X	X	X	X			
Data Capability Improved	X						X				X			
Attenuation Distortion {3}	X					X	X	X	X	X	X			X
Improved Return Loss at two-wire POT	X		X	X				X						
Improved Termination at four-wire POT	X	X	X	X	X	X	X	X	X	X	X	X	X	
Sealing Current Conditioning	X					X	X				X			
Signaling Capability	X	X	X	X				X	X	X				{4}

{1} Denotes WATS Access Lines (WALs).
 {2} Obsolete, and limited to existing installations at existing locations, for existing customers as of February 8, 1989.
 {3} Obsolete -- Applicable to existing installations at existing locations for existing customers.
 {4} Signaling is provided in conjunction with Switched Access service, 6.4.2 Local Transport Features).
 {5} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.4 Voice Grade Service{3} (Cont'd) (C)

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

(1) Central Office Bridging Capability

- (a) Data Bridging (two-wire and four-wire)
- (b) (Reserved for Future Use)
- (c) Telemetry and Alarm Bridging:
Split Band, Active Bridging
Summation, Active Bridging {1}
- (d) (Reserved for Future Use)
- (e) Voice Bridging (two-wire and four-wire)

(2) (Reserved for Future Use)

(3) Conditioning

Conditioning provides more specific transmission characteristics for Voice Grade services. C-Type conditioning controls attenuation distortion and envelope delay distortion. Sealing Current helps maintain continuity on dry metallic{3} loops. (C)

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

(a) C-Conditioning

C-Conditioning upgrades the frequency response and envelope delay distortion limits of the analog data channel. The specifications for C-Conditioning, which are less stringent than C-Type conditioning, are delineated in the appropriate Technical Reference for Voice Grade Service.

(b) C-Type Conditioning {2}

C-Type Conditioning is provided for the additional control of attenuation distortion and envelope delay distortion on data services. The attenuation distortion and envelope delay distortion specifications for C-Type Conditioning are delineated in the appropriate Technical Reference for Voice Grade Service.

{1} Obsolete -- Applicable to existing installations at existing locations for existing customers.

{2} This feature is obsolete, and limited to existing installations at existing locations, for existing customers as of February 8, 1989.

{3} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.4 Voice Grade Service{2} (Cont'd) (C)

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

(3) Conditioning (Cont'd)

(c) Improved Attenuation Distortion (IAD) {1}

Improved Attenuation Distortion upgrades the frequency response limits of the analog data channel. The specifications for Improved Attenuation Distortion are delineated in the appropriate Technical References for WAL{2} application and Voice Grade Services. (C)

(d) (Reserved for Future Use)

(e) Sealing Current Conditioning

Sealing Current Conditioning is provided to help maintain continuity on dry metallic{2} loops. It is associated with four-wire DA or NO type channel interfaces. (C)

(4) Data Capability

Data Capability provides transmission characteristics suitable for data communications. Specifically, Data Capability provides for the control of Signal to C-Notched Noise Ratio and intermodulation distortion.

The Signal to C-Notched Noise Ratio and intermodulation distortion specifications for Data Capability are delineated in the appropriate Technical Reference for Voice Grade Service.

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

(5) (Reserved for Future Use)

(6) (Reserved for Future Use)

(7) Improved Return Loss

Improved Return Loss at a two-wire point of termination provides for more stringent Echo Control specifications. This option is only applicable when ordered on effective two-wire channels and the transmission path is four-wire at one POT and two-wire at the other POT. Specifications can only be met with limited facility configurations. The Improved Return Loss specifications are delineated in the appropriate Technical Reference for Voice Grade Service.

{1} Obsolete -- Applicable to existing installations at existing locations for existing customers.

{2} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.4 Voice Grade Service{1} (Cont'd) (C)

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

(8) Improved Termination

Improved Termination at a four-wire point of termination provides, for a fixed 600 ohm impedance, variable level range and simplex reversal capability when ordered with either an effective two-wire or four-wire channel. SWBT equipment is required at the customer's premises where this option is ordered. The Improved Termination specifications are delineated in the appropriate Technical Reference for Voice Grade Service.

(9) Signaling Capability

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

{1} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.4 Voice Grade Service{2} (Cont'd) (C)

(G) Rates and Charges

Each rate element is shown with its associated USOC, were appropriate.

(1) <u>Channel Termination</u>	<u>Fixed</u>	<u>Monthly Rate Per Mile</u>	<u>Nonrecurring Charge</u>	
Per point of termination				
Two-wire (T6E2X)	\$ 25.84		\$ 78.05	
Four-wire (T6E4X)	44.68		78.05	
WATS Access Line{2} Termination				(C)
- Applicable to non-Joint provided intrastate interLATA only WATS and 800	40.50		78.05	
Digital WAL {1}{2} (T6EDX)	0.00		0.00	(C)
(2) <u>Channel Mileage (1L5XX)</u>				
0 miles	0.00	0.00		
Over 0 to 4	15.56	3.26		
Over 4 to 8	15.56	3.26		
Over 8 to 25	17.84	2.98		
Over 25 to 50	31.34	2.44		
Over 50	31.34	2.44		
(3) (Reserved for Future Use)				
(4) <u>Data Bridging</u>				
Per port				
Two-wire (BCND2)	4.51		0.00	
Four-wire (BCND4)	4.51		0.00	

{1} Additive available in conjunction with customer ordered Digital High Capacity facility in 7.3.10 (High Capacity Service).

{2} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)
 |
 (N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.4 Voice Grade Service{2} (Cont'd) (C)

(G) Rates and Charges (Cont'd)

	<u>Fixed</u>	<u>Monthly Rate Per Mile</u>	<u>Nonrecurring Charge</u>
(5) (Reserved for Future use)			
(6) <u>Telemetry and Alarm Bridging</u>			
<u>Active Bridging Channel Connections</u>			
Split Band, per channel connected (CNLRX)	0.71		0.00
Summation, per channel connected (BCNSA) {1}	3.02		0.00
(7) (Reserved for Future Use)			
(8) <u>Voice Bridging</u>			
Per port			
Two-wire (BCNV2)	4.51		0.00
Four-wire (BCNV4)	4.51		0.00

{1} Obsolete -- Applicable to existing installations at existing locations for existing customers.

{2} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.4 Voice Grade Service{3} (Cont'd) (C)

(G) Rates and Charges (Cont'd)

	<u>Monthly</u> <u>Fixed</u>	<u>Rate</u> <u>Per Mile</u>	<u>Nonrecurring</u> <u>Charge</u>	
(9) (Reserved for Future Use)				
(10) <u>Conditioning</u>				
<u>C-Type {1}</u>				
Per point of termination (X1CPT)	3.08		0.00	
<u>Improved Attenuation Distortion (IAD) {2}</u>				
Per WAL{3} point of termination (ORA)	0.00		0.00	(C)
<u>Sealing Current Conditioning (1HBPT)</u>				
Per point of termination	0.00		0.00	
(11) <u>Data Capability</u>				
Per point of termination (XDCPT)	4.47		234.00	
(12) (Reserved for Future Use)				
(13) (Reserved for Future Use)				
(14) <u>Improved Return Loss</u>				
Per two-wire point of termination (1RL2W)	3.20		0.00	
(15) <u>Improved Termination</u>				
Per four-wire point of termination (1RL4W)	3.20		0.00	

{1} Obsolete, and limited to existing installations at existing location, for existing customers as of February 8, 1989.

{2} Obsolete -- Applicable to existing installations at existing locations for existing customers.

{3} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.4 Voice Grade Service{2} (Cont'd) (C)

(G) Rates and Charges (Cont'd)

	<u>Monthly Rate</u>	<u>Nonrecurring</u>
	<u>Fixed</u>	<u>Charge</u>
	<u>Per Mile</u>	
(16) (Reserved for Future Use)		
(17) <u>Signaling</u> <u>Capability</u>		
Per point of termination (XSS++) {1}	15.25	0.00
(18) (Reserved for Future Use)		
(19) (Reserved for Future Use)		

{1} In lieu of ++, substitute appropriate two digit code from the following list to specify type of signaling:

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

{2} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

President - Texas
AT&T Texas
Dallas, Texas
Issued: June 29, 2021
Effective: June 30, 2021

ACCESS SERVICE TARIFF
Section: 7
Sheet: 58
Revision: 1
Replacing: Original

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.4 Voice Grade Service{1} (Cont'd) (C)

(G) Rates and Charges (Cont'd)

	<u>Monthly Rate</u>	<u>Nonrecurring</u>
	<u>Fixed</u>	<u>Charge</u>
	<u>Per Mile</u>	
(20) (Reserved for Future Use)		
(21) (Reserved for Future Use)		
(22) (Reserved for Future Use)		
(23) (Reserved for Future Use)		
(24) (Reserved for Future Use)		

{1} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.5 Program Audio Service {1}{3} (C)

(A) Basic Channel Description

A Program Audio channel is a channel measured in hertz (Hz) for the transmission of a complex signal voltage. The actual bandwidth is a function of the channel interface selected by the customer. Only one-way transmission is provided. Program Audio channels are provided between customer designated premises or between a customer designated premises and a SWBT hub.

(B) Technical Specification Packages

Transmission Parameter	C{2}	Package 1	Package 2	Package 3	Package 4
Actual Measured Loss	X	X	X	X	X
Amplitude Tracking	X				
Crosstalk	X	X	X	X	X
Distortion Tracking	X				
Gain/Frequency Distortion	X	X	X	X	X
Group Delay	X				
Noise	X	X	X	X	X
Phase Tracking	X				
Short-Term Gain Stability	X				
Short-Term Loss	X				
Total Distortion	X	X	X	X	X

(C) Channel Interfaces (CI)

The following channel interfaces define the bandwidths that are available for a Program Audio channel:

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

(D) (Reserved for Future Use)

(E) Optional Features and Functions

	C{1}	Package 1	Package 2	Package 3	Package 4
Central Office Bridging Capability	X	X	X	X	X
Gain Conditioning	X	X	X	X	X
Stereo	X				

(1) Central Office Bridging Capability

Distribution Amplifier

(2) Gain Conditioning

Control of 1004 Hz AML at initiation of service to 0 dB +/- 0.5 dB.

(3) Stereo

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

{1} Obsolete -- Applicable to existing installations at existing locations for existing customers.

{2} The desired parameters are selected by the customer from the list of available parameters.

{3} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after December 1, 2021.

(N)
 |
 (N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.5 Program Audio Service{2} (Cont'd) {1} (C)

(F) Rates and Charges

Each rate element is shown with its associated USOC, were appropriate.

(1) <u>Channel Termination</u> (T6ECS)	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Per point of termination		
200-3500 Hz	\$ 20.06	\$ 49.20
100-5000 Hz	40.03	49.20
50-8000 Hz	38.97	49.20
50-15000 Hz	60.42	49.20

(2) <u>Channel Mileage</u> (1L5XX)	<u>Monthly Rates</u>	
	<u>Fixed</u>	<u>Per Mile</u>
<u>200-3500 Hz</u>		
0 miles	0.00	0.00
Over 0 to 4	17.01	2.66
Over 4 to 8	17.01	2.66
Over 8 to 25	20.13	2.26
Over 25 to 50	24.74	2.08
Over 50	24.74	2.08
<u>100-5000 Hz</u>		
0 miles	0.00	0.00
Over 0 to 4	14.77	5.53
Over 4 to 8	20.75	5.53
Over 8 to 25	26.37	4.31
Over 25 to 50	42.72	4.17
Over 50	48.16	4.07
<u>50-8000 Hz</u>		
0 miles	0.00	0.00
Over 0 to 4	25.47	6.63
Over 4 to 8	25.47	6.63
Over 8 to 25	25.87	6.58
Over 25 to 50	49.41	5.57
Over 50	49.41	5.57
<u>50-15000 Hz</u>		
0 miles	0.00	0.00
Over 0 to 4	28.99	12.86
Over 4 to 8	28.99	12.86
Over 8 to 25	39.78	11.51
Over 25 to 50	74.44	10.13
Over 50	74.44	10.13

{1} Obsolete -- Applicable to existing installations at existing locations for existing customers.

{2} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after December 1, 2021. (N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.5 Program Audio Service (Cont'd) {1}{2} (C)

(F) Rates and Charges (Cont'd)

(3) **(Reserved for Future Use)**

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
(4) <u>Bridging, Distribution Amplifier</u>		
Per port (BCNPT)	\$ 14.12	\$ 0.00
(5) <u>Gain Conditioning</u>		
Per service (XGC)	5.69	164.00
(6) <u>Stereo</u>		
Per service (XSC)	0.00	361.00

{1} Obsolete -- Applicable to existing installations at existing locations for existing customers.

{2} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after December 1, 2021.

(N)
 |
 (N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.9 Digital Link{1}

(C)

(A) Basic Channel Description

A Digital Link channel provided as a Package 1-4 and referred to as MegaLink II Premium Digital Service is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, or 56 kbps. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by SWBT through SWBT's facilities to the customer in the received bit stream. Digital Link channels are provided between customer designated premises for two-point service or between a customer designated premises and a SWBT digital hub for multipoint or multiplexed service.

A Digital Link Service channel provided as a Package 6-9 and referred to as MegaLink Digital Service is a channel for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6 or 56 kbps. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service that may be independently timed when access to a nationwide synchronization network is not available. MegaLink channels are only available via SWBT designated hubs.

When a single Digital Link channel is ordered to be terminated at a customer's designated Interexchange Carrier's all-digital POP which requires a minimum digital interface level of 1.544 Mbps, SWBT will provide the required interface where facilities are available.

It is the customer's responsibility to arrange for the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the Digital Link channel at the customer premises.

(B) Technical Specifications Packages

Transmission Parameter	Package DL-							
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>
Error-Free Seconds	X	X	X	X	NA	NA	NA	NA

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

For MegaLink Digital Service, SWBT will provide a channel capable of meeting the technical parameters as set forth in the appropriate Technical Reference for Digital Link Service at SWBT's demarcation point.

Voltages which are compatible with Digital Link Service are delineated in the appropriate Technical Reference for Digital Link Service.

{1} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)
 |
 (N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.9 Digital Link{1} (Cont'd)

(C)

(C) Channel Interfaces (CI)

The following channel interfaces define the bit rates that are available for a Digital Link channel:

CI	Bit Rate
DU-24	2.4 kbps (DL1 or DL6)
DU-48	4.8 kbps (DL2 or DL7)
DU-96	9.6 kbps (DL3 or DL8)
DU-56	56 kbps (DL4 or DL9)

(D) (Reserved for Future Use)

(E) Optional Features and Functions

	<u>1</u>	<u>2</u>	Package DL-		<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>
			<u>3</u>	<u>4</u>				
Central Office Bridging Capability	X	X	X	X	NA	NA	NA	NA
Secondary Channel Capability	X	X	X	X	NA	NA	NA	NA

(1) Central Office Bridging Capability

The capability of a central office to connect one circuit to another circuit. Central office bridging capability is specified in SWBT's FCC Tariff No. 4.

(2) Secondary Channel Capability

Secondary Channel Capability provides for an additional low-speed digital transmission channel within the existing 2.4, 4.8, 9.6, and 56 kbps primary channels. It is available as a point-to-point or a multipoint service utilizing a nonrepeated channel termination. The Secondary Channel can be used as a communications channel for the controlling and monitoring of the customer's network.

{1} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)
 |
 (N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.9 Digital Link{2} (Cont'd)

(C)

(F) Rates and Charges

Each rate element is shown with its associated USOC, where appropriate.

(1) <u>Channel Termination</u> (T6ECS)	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Per point of termination		
2.4 kbps DL1	\$ 85.39	\$ 148.00
4.8 kbps DL2	80.59	148.00
9.6 kbps DL3	81.63	148.00
56 kbps DL4	138.19	224.00
2.4 kbps DL6 {1}	For rates - refer to	
4.8 kbps DL7 {1}	Digital Link Service	
9.6 kbps DL8 {1}	Tariff - Section 2, 4.1.1	
56 kbps DL9 {1}	MegaLink Digital Service	

(2) <u>Channel Mileage</u> (1L5XX)	<u>Monthly Rates</u>		<u>Nonrecurring Charge</u>
	<u>Fixed</u>	<u>Per Mile</u>	
2.4 kbps (DL1) <u>Mileage Bands</u>			
0 miles	0.00	0.00	
Over 0 to 4	69.50	3.13	
Over 4 to 8	75.79	1.57	
Over 8 to 25	82.07	0.79	
Over 25 to 50	91.87	0.39	
Over 50	97.84	0.27	
4.8 kbps (DL2) <u>Mileage Bands</u>			
0 miles	0.00	0.00	
Over 0 to 4	69.37	1.81	
Over 4 to 8	69.37	1.81	
Over 8 to 25	74.79	1.13	
Over 25 to 50	77.81	1.02	
Over 50	77.81	1.02	
9.6 kbps (DL3) <u>Mileage Bands</u>			
0 miles	0.00	0.00	
Over 0 to 4	101.37	2.86	
Over 4 to 8	101.37	2.86	
Over 8 to 25	112.01	1.53	
Over 25 to 50	119.37	1.22	
Over 50	119.37	1.22	

{1} Inside wire charges are not applicable on DL6-9.

{2} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.9 Digital Link{1} (Cont'd)

(C)

(F) Rates and Charges (Cont'd)

(2) Channel Mileage (Cont'd)

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
	<u>Fixed</u>	<u>Per Mile</u>
56 kbps (DL4)		
<u>Mileage Bands</u>		
0 miles	\$ 0.00	\$ 0.00
Over 0 to 4	164.91	7.38
Over 4 to 8	173.32	5.27
Over 8 to 25	194.43	2.65
Over 25 to 50	194.43	2.65
Over 50	194.43	2.65

2.4 kbps (DL6)
 End-User or IC's For rates - refer to
 - Wire Center to Digital Link Service
 Standard-Digital Tariff - Section 2, 4.1.2 and 4.2
 Serving Hub MegaLink Digital Service
 - Hub to Hub

4.8 kbps (DL7)
 End-User or IC's For rates - refer to
 - Wire Center to Digital Link Service
 Standard-Digital Tariff - Section 2, 4.1.2 and 4.2
 Serving Hub MegaLink Digital Service
 - Hub to Hub

9.6 kbps (DL8)
 End-User or IC's For rates - refer to
 - Wire Center to Digital Link Service
 Standard-Digital Tariff - Section 2, 4.1.2 and 4.2
 Serving Hub MegaLink Digital Service
 - Hub to Hub

56 kbps (DL9)
 End-User or IC's For rates - refer to
 - Wire Center to Digital Link Service
 Standard-Digital Tariff - Section 2, 4.1.2 and 4.2
 Serving Hub MegaLink Digital Service
 - Hub to Hub

(3) **(Reserved for Future Use)**

(4) <u>Bridging</u> (BCNDA)		
Per Port		
MegaLink I	18.00	\$ 0.00
MegaLink II	9.88	0.00

(5) <u>Secondary Channel</u>		
<u>Capability</u> (SCA)		
Per channel		
termination		
For all speeds	9.89	112.00

{1} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

(N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.10 High Capacity Service

(A) Basic Channel Description

A High Capacity channel is a channel for the transmission of nominal 64.0 kbps {1}{3}, 1.544 Mbps, or 44.736 Mbps isochronous serial digital data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High Capacity channels are provided: [1] between customer designated premises; [2] between a customer designated premises and a SWBT hub; [3] between Network Reconfiguration Service (NRS) hubs; or [4] between an NRS hub and a SWBT hub. (C)

It is the customer's responsibility to arrange for the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises.

(B) Technical Specifications Packages

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

A channel with technical specifications package HC1 will be capable of an error-free second performance of 98.75% over a continuous 24 hour period as measured at the 1.544 Mbps rate through a Channel Service Unit equivalent which is designed, manufactured, and maintained to conform with the specifications contained in the appropriate Technical Reference for High Capacity Service.

(C) Channel Interfaces (CI)

The following channel interfaces define the bit rate that is available for a High Capacity DS1 channel:

<u>CI</u>	<u>Bit Rate</u>	
DS-15{2}{3}	1.544 Mbps (DS1)	(C)
DS-44	44.736 Mbps (DS3)	

(D) Reserved for Future Use

{1} Available only as a channel of a 1.544 Mbps facility between two SWBT Digital Link hubs. The customer must provide system and channel assignment data.

{2} A 64.0 kbps channel is available as a channel(s) of a 1.544 Mbps facility to a SWBT hub.

{3} Effective June 30, 2021, 64.0 Kbps will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.10 High Capacity Service (Cont'd)

(E) Optional Features and Functions

	Package HC-			
	<u>0</u>	<u>1</u>	<u>3</u>	
Central Office Multiplexing				
DS0 to Subrate*{2}	X			(C)
DS1 to DS0		X		
DS1 to Voice		X		
DS3 to DS1			X	
Clear Channel Capability		X		
Extended Superframe Format		X		

*Available only on a channel of 1.544 Mbps facility to a SWBT hub or on a DS0 channel{2} that connects to a customer's Network Reconfiguration Service (NRS) network which contains a DS1 channel. (C)

(1)

(2) Central Office Multiplexing

(a) DS0 to Subrate{2}

(C)

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

(b) DS1 to DS0

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

(c) DS1 to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade{2} Services. A channel of this DS1 to the hub can also be used for Digital Link{2}, Program Audio {1}{3} or Metallic{2} Service. (C)

{1} Obsolete -- Applicable to existing installations at existing locations for existing customers.

{2} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

{3} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after December 1, 2021. (N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.10 High Capacity Service (Cont'd)

(F) Rates and Charges (Cont'd)

Each rate element is shown with its associated USOC, where appropriate.

(1) <u>Channel Termination</u> (TMECS)	<u>Monthly</u> <u>Fixed</u>	<u>Rate</u> <u>Per Mile</u>	<u>Nonrecurring</u> <u>Charge</u>
Per point of termination			
1.544 Mbps	\$ 207.00		\$ 645.00
1.544 Mbps {1}	275.27		645.00
44.736 Mbps (TWT++)	ICB		ICB
(2) <u>Channel Mileage</u>			
64 kbps {2}			(C)
<u>Mileage Bands</u> (1L5TC)			
0 miles	7.61	0.00	
Over 0 to 4	7.61	2.97	
Over 4 to 8	9.27	2.57	
Over 8 to 25	9.27	2.57	
Over 25 to 50	17.16	2.24	
Over 50	20.90	2.17	
1.544 Mbps			
<u>Mileage Bands</u> (1L5XX)			
0 miles	0.00	0.00	
Over 0	71.00	45.00	
1.544 Mbps {1}			
<u>Mileage Bands</u>			
0 miles	0.00	0.00	
Over 0 to 4	122.44	51.50	
Over 4 to 8	122.44	51.50	
Over 8 to 25	178.52	44.48	
Over 25 to 50	205.80	43.39	
Over 50	205.80	43.39	
44.736 Mbps (1LO++)			
<u>Mileage Bands</u>			
0 miles	0.00	0.00	
Over 0 miles	ICB	ICB	

{1} Rate with service guarantee as indicated in 7.2.1(E).

{2} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024.

(N)
 |
 (N)

SPECIAL ACCESS SERVICE

7.3 Service Descriptions, Rates and Charges (Cont'd)

7.3.10 High Capacity Service (Cont'd)

(F) Rates and Charges (Cont'd)

(2) Channel Mileage (Cont'd)

	<u>Monthly Rate</u>	<u>Nonrecurring</u>
	<u>Fixed</u>	<u>Charge</u>
	<u>Per Mile</u>	
(3) (Reserved for Future Use)		
(4)		

(5) Multiplexing

Per arrangement

DS0 to Subrates {3} (C)

Up to 20 2.4 kbps service (QSU24)	185.58	0.00
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Up to 10 4.8 kbps service (QSU48)	361.52	0.00
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Up to 5 9.6 kbps service (QSU96)	702.74	0.00
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DS1 to DS0 (QMU)	232.80	0.00
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DS1 to Voice {2} (MQ1)	232.80	0.00
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DS3 to DS1 (MXB++) Per arrangement	ICB	0.00
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{1} An additional Channel Termination charge will apply whenever the spare line is provided as a leg to the customer premises.
 {2} A channel of this DS1 to the hub can be used for Digital Data Service.
 {3} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

SPECIAL ACCESS SERVICE

7.4 Miscellaneous Rates and Charges

(A) Rollover

A Nonrecurring Charge(s) will apply when a customer requests a Rollover of Special Access Service as described in 7.2.7(A)(1) (Rollover). The Nonrecurring Charge(s) is applied on a first and additional basis, per Access Order, as specified below.

	<u>Nonrecurring Charge</u>		
	<u>First</u>	<u>Additional</u>	
	<u>Circuit</u>	<u>Circuit</u>	
- Analog*/Digital Link {2}			(C)
to 1.544 Mbps High Capacity (DS1)			
- per service rolled over (NRBRA)	\$ 145.00	\$ 110.00	
- 1.544 Mbps High Capacity (DS1)			
to 1.544 Mbps High Capacity (DS1)			
- per service rolled over (NRBRH)	160.00	120.00	
- 1.544 Mbps High Capacity (DS1)			
to 44.736 Mbps High Capacity (DS3)			
- per service rolled over (NRBR1)	160.00	120.00	

(B) <u>Special Access Surcharge</u>	<u>Monthly</u>	<u>Nonrecurring Charge</u>	
(S25)	<u>Rate</u>	<u>First</u>	<u>Additional</u>
		<u>Circuit</u>	<u>Circuit</u>

Per equivalent voice grade channel	\$ 25.00	
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(C) <u>Message Station Equipment Recovery Charge</u>	
(UTM)	
Per Special Access Surcharge assessed	7.29

(D) <u>Access Order Charge</u>	See Section 5.4
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(E) <u>Service Rearrangement Charge</u>		
(NRBAC)		
- Per circuit {1} on the same Access Order for one or any combination of the following changes:	\$ 9.00	\$ 5.00
- Access Carrier Name Abbreviation (ACNA)		
- Customer Carrier Name Abbreviation (CCNA)		
- Billing Account Number (BNA)		
- Customer Circuit ID (CKR)		

* Analog Services include: Metallic Service{2}, Telegraph Service{2}, Voice Grade Service{2} or Program Audio Service{3}. (C)

{1} Each leg of a multipoint service will be treated as a separate circuit and charges applied as described in 7.2.4(D). (C)

{2} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after June 30, 2024. (N)

{3} Effective June 30, 2021, this Service will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue this service on or after December 1, 2021. (N)

(N)