ACCESS SERVICES

7. SPECIAL ACCESS SERVICE

The following list matches the Telephone Company's Basic Service Element (BSE) names to the industry standard names for each BSE.

Telephone Company Names	Generic Name of ONA Service	
Bridging	Bridging	
- Central Office Bridging Capability - Telegraph(1) Bridging		
Clear Channel Capability on 1.544 Mbps(2)	Access To Clear Channel Transmission	(AT)
Conditioning	Conditioning	
Extended Superframe Format	Extended Superframe Conditioning	
Multiplexing	Multiplexing - Digital	
- Central Office Multiplexing		
Secondary Channel Capability	Secondary Channel Capability	

(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) See Section 2.1.4(A) for service availability. (AT)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE

7.1 General

Special Access Service with the exception of the WATS Access Line(2) and Network Reconfiguration Service, provides a transmission path to connect customer (IC) designated premises (1), either directly or through a Telephone Company Hub where bridging, multiplexing, Network Reconfiguration Service or Frame Relay Service functions are performed. The WATS Access Line(2), offered under Voice Grade(2) Service, provides a transmission path connecting a customer designated premises with the WATS serving office. Network Reconfiguration Service found in Section 19, following, work in conjunction with Special Access Service allowing customers the ability to reconfigure their circuits. Frame Relay Service is found in Section 16. Special Access Service includes all exchange access not utilizing Telephone Company end-office switches.

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

7.1.1 Channel Types

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

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

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

(1) Telephone Company Centrex CO-like switches and Telephone Company 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.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.1 Channel Types-(Continued)

For purposes of ordering channels, each has been identified as a type of Special Access Service. However, such identification is not intended to limit a customer's use of the channel nor to imply that the channel is limited to a particular use. For example, if a customer's equipment is capable of transmitting voice over a channel that is identified as a Metallic(1) Service in this Tariff, there is no restriction against doing so.

Following is a brief description of each type of channel:

Metallic(1) - A channel for the transmission of low-speed, varying signals at rates up to 30 baud.

Telegraph Grade(1) - A channel for the transmission of binary signals at rates of 0 to 75 baud or 0 to 150 baud.

Voice Grade(1) - A channel for the transmission of analog signals within an approximate bandwidth of 300-3000 Hz.

MegaLink Data(1) - A channel for the digital transmission of synchronous serial data at rates of 2.4, 4.8, 9.6 or 56.0 kbps. 56 kbps MegaLink Data channels are also provided in conjunction with Frame Relay Service.

High Capacity(2) - A channel for the transmission of isochronous serial digital data at rates of 1.544, or 44.736 Mbps. High Capacity (1.544 Mbps) channels are also provided in conjunction with Frame Relay Service. (AT)

(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) See Section 2.1.4(A) for service availability. (AT)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.1 Channel Types-(Continued)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.1 Channel Types-(Continued)

Detailed descriptions of each of the channel types are provided in Paragraph 7.2, following.

The customer also has the option of ordering Voice Grade(1) and analog and digital high capacity(2) facilities (i.e., Group, Supergroup, Mastergroup, 1.544 Mbps, 3.152 Mbps, 6.312 Mbps, 44.736 Mbps and 274.176 Mbps) to a Telephone Company Hub for multiplexing to individual channels of a lower capacity or bandwidth. Descriptions of the types of multiplexing available at the Hubs, as well as the number of individual channels which may be derived from each type of facility are set forth in Paragraph 7.2, following. (AT)

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

For example, a customer may order a 3.152 Mbps(2) facilityfrom a customer-designated premises to a Telephone Company Hub for multiplexing to two 1.544 Mbps(2) channels. The 1.544 Mbps(2) channelsmay be further multiplexed at the same or a different Hub to Voice Grade(1) (i.e.,Group level) channels or may be extended to other customer designated premises. Optional features and BSEs may be added to either the 1.544 Mbps(2) or Voice Grade(1) channels. (AT) (AT) (AT)

7.1.2 Rate Categories

There are four basic rate categories which apply to Special Access Service:

- Channel Terminations (described in Paragraph 7.1.2, A., following)
- Channel Mileage (described in Paragraph 7.1.2, B., following)
- Service to Service Through Connect Arrangements (described in Paragraph 7.1.2, C., following)
- Optional Features, BSEs and Functions (described in Paragraph 7.1.2, D., following)

(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) See Section 2.1.4(A) for service availability. (AT)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.2 Rate Categories-(Continued)

A. Channel Termination

The Channel Termination rate category provides for the communications path between a customer designated premises and the serving wire center of that premises or for the communications path within a building which connects a customer's facilities with a customer designated premises without routing through the serving wire center. Included as part of the Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the access service is to be connected at the Point of Termination (POT) and the type of signaling capability, if any. The signaling capability itself is provided as an optional feature as set forth in Paragraph D., following. One Channel Termination Charge applies per customer designated premises at which the channel is terminated. This charge will apply even if the customer designated premises and the serving wire center are both located in the same Telephone Company building.

B. Channel Mileage

The Channel Mileage rate category provides for the transmission facilities between the serving wire centers associated with two customer designated premises, between a serving wire center associated with a customer designated premises and a Telephone Company Hub, between two Telephone Company Hubs, or between a serving wire center associated with a customer designated premises and the WATS serving office. Channel mileage is portrayed in mileage bands. There are two rates that apply for each band, i.e., a flat rate per band and a rate per mile.

C. Service to Service Through Connect Arrangement

The Service to Service Through Connect Arrangement rate category provides for an interconnection of like services in a Telephone Company Hub or serving wire center as appropriate. This arrangement is an intraoffice connection that is provisioned in lieu of a channel termination to a customer designated premises. The through connection is provided in conjunction with Voice Grade(1) Analog, MegaLink Data(1) and High Capacity services(2). Additional Channel Mileage would apply if two like services are located in different Hubs or serving wire centers. The customer billed for the through connect arrangement will be responsible for all billing associated with the interconnection. (AT)

(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) See Section 2.1.4(A) for service availability. (AT)

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7. SPECIAL ACCESS SERVICE

7.1 General (cont'd)

7.1.2 Rate Categories (cont'd)

D. Optional Features, BSEs and Functions

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

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

- Signaling Capability
- Hubbing Functions
- Conditioning
- Transfer Arrangements

A Hub is a Telephone Company designated serving wire center at which bridging, multiplexing, Network Reconfiguration Service functions are performed. The bridging functions performed may be to connect three or more customer designated premises in a multipoint arrangement as set forth in Paragraph 7.3.7, following, or to reterminate Network Reconfiguration Service as set forth in Section 19, following. The multiplexing functions are to channelize analog or digital facilities to individual services requiring a lower capacity or bandwidth. The Network Reconfiguration Service offerings allow the customer to reconfigure their Special Access Services.

Descriptions for each of the available Optional Features, BSEs and Functions are set forth in Paragraph 7.2, following. When ordering bridging and multiplexing, the customer will select the designated Hub(s) and subtending wire center(s) from the National Exchange Carrier Association, Inc. Tariff filed with the F.C.C.

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7. SPECIAL ACCESS SERVICE

7.1 General (cont'd)

7.1.3 Service Configurations

There are four types of service configurations over which Special Access Services are provided: two-point service, multipoint service, WATS Access Line Service(1) and Service to Service Through Connect Arrangement.

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 or Network Reconfiguration Service functions are performed. Applicable rate elements are:

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

In addition, a Special Access Surcharge as set forth in Paragraph 7.3.2, following, and a Message Station Equipment Recovery Charge as set forth in Paragraph 7.3.3, following, and/or an Inside Wire Recovery Charge as set forth in Paragraph 7.3.9, following, may be applicable.

(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.

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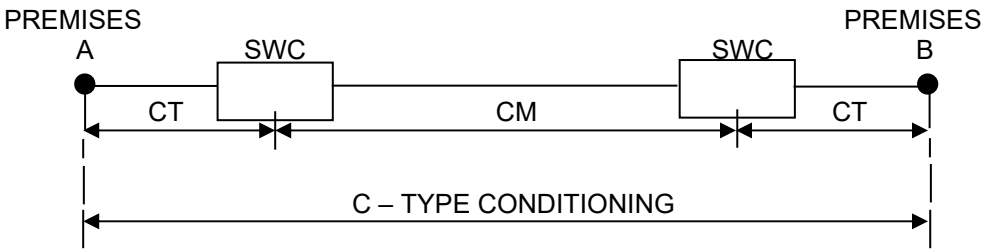
7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.3 Service Configurations-(Continued)

A. Two-Point Service-(Continued)

The following diagram depicts a two-point Voice Grade(1) Service connecting two customer designated premises located 15 miles apart. The service is provided with C-Type conditioning.



CT - CHANNEL TERMINATION
CM - CHANNEL MILEAGE
SWC - SERVING WIRE CENTER

Applicable rate elements are:

- Channel Terminations (2 applicable)
- Channel Mileage (mileage band over 8 to 25 miles)
- C-Type 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.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.3 Service Configurations-(Continued)

B. Multipoint Service

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

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

When ordering, the customer will select the designated bridging Hub(s) for its serving wire center and the appropriate subtending wire center(s) from the National Exchange Carrier Association, Inc. Tariff filed with the F.C.C.

Applicable Rate Elements are:

- Channel Terminations (one per customer-designated premises)
- Channel Mileage (as applicable between each designated customer premises serving wire center and the designated Hub and between Hubs)
- Bridging
- Additional Optional Features, BSEs and Functions (when applicable)

In addition, the Special Access Surcharge as set forth in Paragraph 7.3.2, following, and a Message Station Equipment Recovery Charge as set forth in Paragraph 7.3.3, following, may be applicable.

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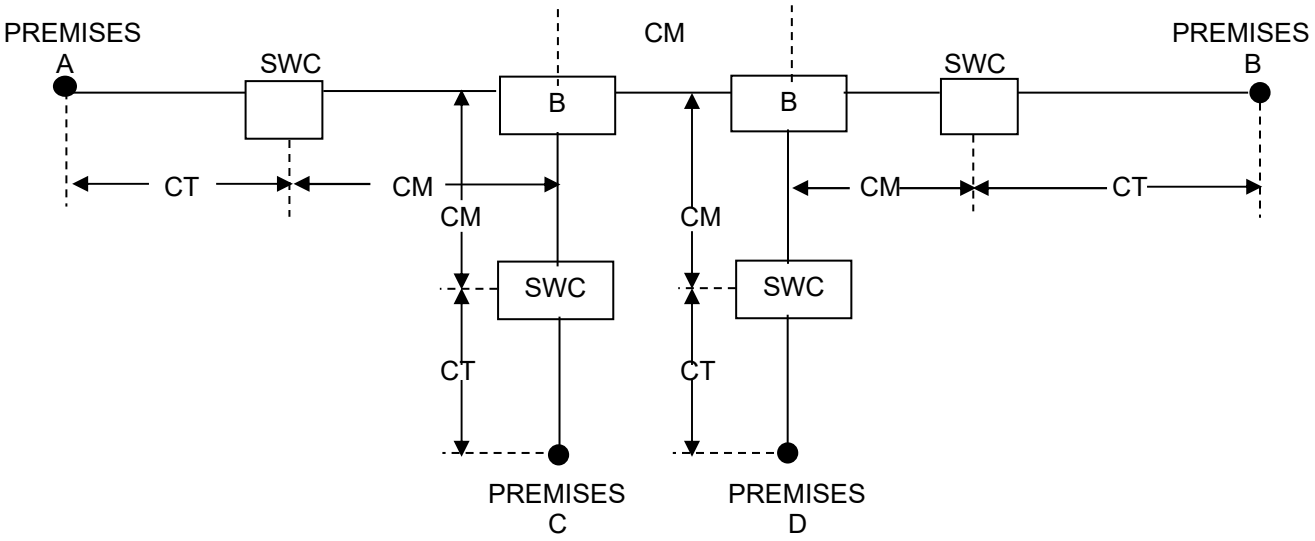
7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.3 Service Configurations-(Continued)

B. Multipoint Service-(Continued)

Example: Voice Grade(1) multipoint service connecting four customer premises via two customer designated bridging hubs.



CT – CHANNEL TERMINATION
CM – CHANNEL MILEAGE
B – BRIDGING
SWC – SERVING WIRE CENTER

Applicable rate elements are:

- Channel Terminations (4 applicable)
- Channel Mileage (5 sections, each from appropriate mileage band)
- Bridging Optional Feature (6 applicable, i.e., 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.

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7. SPECIAL ACCESS SERVICE-(Continued)

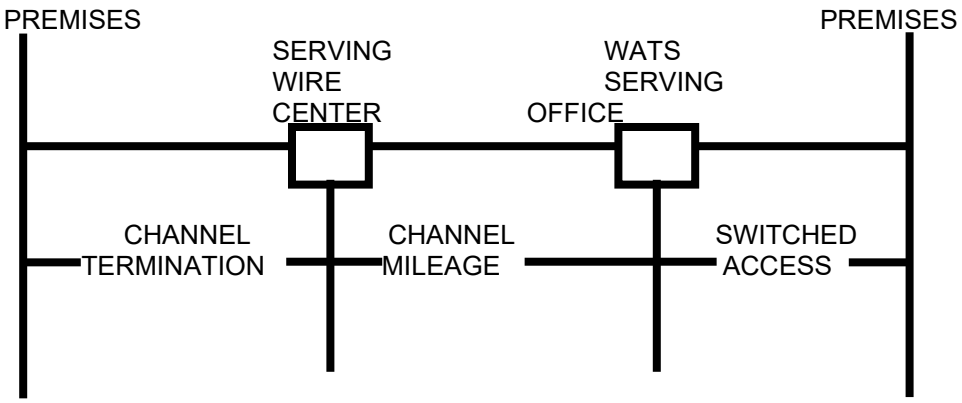
7.1 General-(Continued)

7.1.3 Service Configurations-(Continued)

C. WATS Access Line Service(1)

WATS Access Line (WAL) provides a Voice Grade(1) Channel Termination and Channel Mileage, where appropriate, between the End User premises and the WATS serving office and is used in conjunction with Switched Access Service as set forth in Section 6, Paragraph 6.2.5 and 6.3.6, preceding.

The following diagram depicts a WATS Access Line Service connecting a customer designated premises to the WATS serving office. The customer's serving wire center and the WATS serving office are located 10 miles apart.



Applicable rate elements for the WATS Access Line are:

- Channel Termination (1 applicable)
- Channel Mileage (mileage band over 8 to 25 miles)
- Optional Features and Functions (when applicable)

In addition, a Special Access Surcharge, as set forth in 7.3.2, following, a Message Station Equipment Recovery Charge as set forth in 7.3.3, following, and/or an Inside Wire Recovery Charge as set forth in 7.3.9, following, may be applicable.

(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.

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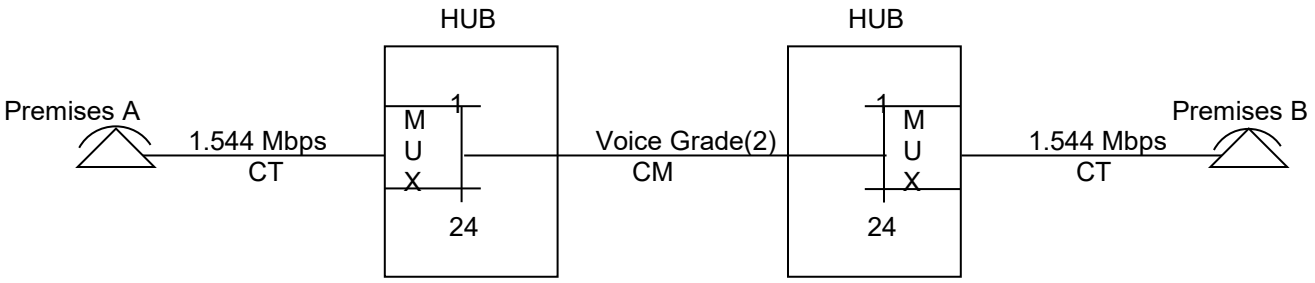
7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.3 Service Configurations-(Continued)

D. Service to Service Through Connect Arrangement

The following diagram depicts Voice Grade[2] Services, extended from DS1[3] multiplexed services, utilizing a through connect arrangement in a Telephone Company Hub. Additional channel mileage was required to co-terminate the services. (AT)



CT - Channel Termination
CM - Channel Mileage
0 - Service to Service Through Connect Arrangement

Applicable Rate Elements are:

- Two 1.544 Mbps[3] Channel Terminations[1] (AT)
- Two DS1[3] to Voice Multiplexers[1] (AT)
- Voice Grade[2] Channel Mileage
- Multiplexer to Multiplexer Service to Service Through Connect Arrangement

(1) Service already established

(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) See Section 2.1.4(A) for service availability. (AT)

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7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.4 Alternate Use

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

The arrangement required to transfer the service from one operation to the other (i.e., the transfer relay and control leads) will be rated and provided on an individual case basis.
The customer will pay the stated tariff rates for the Access Service rate elements for the service ordered (i.e., Channel Terminations, Channel Mileage [as applicable] and Optional Features, BSEs and Functions [if any]).

7.1.5 Special Facilities Routing

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

7.1.6 Design Layout Report

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

7.1.7 Acceptance Testing

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

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.1 General-(Continued)

7.1.7 Accepting Testing-(Continued)

A. For Voice Grade(1) analog services, (including WATS Access Lines)(1) acceptance tests will include tests for loss, three-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(1) Services, a balance (improved loss) test will be made if the customer has ordered the Improved Return Loss or Improved Equal Level Echo Path Loss optional features.

B. For other analog services, acceptance tests will include tests for the parameters applicable to the service and specified in the order for service.

C. For digital services, acceptance tests will include tests applicable to the service as specified in the technical references listed in Paragraph 7.2, following.

In addition to the above tests, Additional Cooperative Acceptance Testing for Voice Grade(1) Services and Digital to test other parameters, as described in Section 13, Paragraph 13.3.5, B., following, is available at the customer's request. All test results will be made available to the customer upon request.

7.1.8 Ordering Options and Conditions

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

(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.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions

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

Metallic(1) (MT)
Telegraph Grade(1) (TG)
Voice Grade(1) (VG)

MegaLink Data(1) (DA)
High Capacity(2) (HC) (AT)

Each service consists of a basic channel to which a technical specifications package (customized or pre-defined), channel interface(s) and, when desired, optional features, BSEs and functions are added to construct the service desired by the customer. Each of the components of the service are described in this section.

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

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

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

(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) See Section 2.1.4(A) for service availability. (AT)

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7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

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

Channel interfaces at each point of termination on a two-point service may be symetrical or asymetrical . On a multipoint service can only be provided between points of termination with compatible channel interfaces. Only certain channel interfaces are compatible.

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

The optional features, BSEs and functions available with each type of Special Access Service are described in this section. The optional features, BSEs and functions information also indicates with which technical specifications packages they are available. Such information is displayed in a matrix with the optional features, BSE or function listed down the left side and the technical specifications package listed across the top.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

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

Metallic(1)	TR-NPL-000336	
Telegraph Grade(1)	TR-NPL-000336	
Voice Grade(1)	TR-TSY-000335	
MegaLink Data(1)	TR-NPL-000341	
	PUB 62310	
High Capacity(2)	PUB 76625	(AT)
	PUB 62411	
	TR-INS-000342	

(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) See Section 2.1.4(A) for service availability. (AT)

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(CP)ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.1 Metallic Service(1)

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 Telephone Company Hub were bridging functions are performed. Interoffice metallic facilities will be limited in length to a total of five miles per channel.

B. Technical Specifications Packages

	Package MT-			
Parameter	C	1	2	3
DC Resistance Between Conductors	X	X	X	
Loop Resistance	X			X
Shunt Capacitance	X			X

The technical specifications are delineated in Technical Reference PUB 62502.

(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.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.1 Metallic Service(1)-(Continued)

C. Channel Interfaces

Compatible channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

D. Optional Features, BSEs and Functions

1. Central Office Bridging BSE Capability

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

b. Series Bridging of up to 26 customer designated premises.

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

	Available with Technical Specifications Package MT-			
	C	1	2	3
Three Premises Bridging	X	X		X
Series Bridging	X		X	

(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.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.2 Telegraph Grade(1) Service

A. Basic Channel Description

A telegraph grade channel is an unconditioned 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 Telephone Company Hub.

B. Technical Specifications Packages

	Package TG-		
Parameter	C	1	2
Telegraph Distortion	X	X	X

The technical specifications are delineated in Technical Reference PUB 62502.

C. Channel Interfaces

Compatible channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

D. Optional Features, BSEs and Functions

1. Telegraph Bridging BSE (two-wire and four-wire)

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

	Available with Technical Specifications Package TG-		
	C	1	2
Telegraph Bridging	X	X	X

(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.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.3 Voice Grade(2) Service

A. Basic Channel Description

A voice grade channel is a channel which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. Voice grade channels are provided between customer designated premises, between a customer designated premises and a Telephone Company Hub, or between a customer designated premises and the WATS serving office.

B. Technical Specifications Packages

	Package VG-													
Parameter	C(1)	1	2	3	4	5	6	7	8	9	10	11	12	W*
Attenuation Distortion	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
Echo Control	X	X	X	X		X		X	X			X	X	X+
Envelope Delay Distortion	X						X	X	X	X	X	X	X	X
Frequency Shift	X						X	X	X	X	X	X	X	X
Impulse Noise	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
Phase Hits, Gain Hits, and Dropouts	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

* Denotes WATS Access Lines (WALs)(2)
+ When WAL(2) extensions are provided, Echo Control limits are not applicable.
(1) The desired parameters are selected by the customer from the list of available parameters.
(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.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.3 Voice Grade(2) Service-(Continued)

B. Technical Specifications Packages-(Continued)

The technical specifications for these parameters are delineated in Technical References set forth at the end of Paragraph 7.2.

C. Channel Interfaces

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

The following channel interfaces for Voice Grade Service require signaling capability: AB, AC, CT, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, RV and SF (1).

Combination of channel interfaces DS, GS, and LS for WALs(2) require signaling as defined in Section 6.2.5.

Compatible channel interfaces and available WAL(2) channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

D. Analog Service to Service Through Connect Arrangement

Multiplexed Arrangement

This provides for the interconnection of two subtending analog channels derived from DS1 multiplexed services. The through connect will be provisioned in lieu of a typical voice grade channel termination. The ordering customer must provide channel assignments for both. Voice Grade channel mileage is required if the multiplexed services are terminated in two separate Hubs.

(1) This feature is obsolete, and limited to existing installations at existing locations for existing customers as of October 6, 1995.
(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.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.3 Voice Grade(1) Service-(Continued)

E. Optional Features, BSEs and Functions

1. Central Office Bridging BSE Capability

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

b. Data Bridging (two-wire and four-wire)

c. Telemetry and Alarm Bridging

Split Band, Active Bridging
Passive Bridging
Summation, Active Bridging

2. Central Office Multiplexing BSE

Voice to Telegraph Grade(1) (43-Type Carrier): An arrangement that converts a voice grade channel to telegraph grade(1) channels using frequency division multiplexing.

3. Conditioning BSE

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(1) loops.

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.

(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.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.3 Voice Grade(2) Service-(Continued)

E. Optional Features, BSEs and Functions-(Continued)

3. Conditioning BSE-(Continued)

a. C-Type Conditioning (1)

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

Attenuation Distortion
(Frequency Response)
Relative to 1004 Hz

Frequency Range (Hz)	Variation (dB)
400-2800	-1.0 to +2.0
300-3000	-1.0 to +3.0
3000-3200	-2.0 to +6.0

Envelope Delay
Distortion

Frequency Range (Hz)	Variation (micro-seconds)
1000-2600	100
800-2600	200
600-2600	300
500-2800	600
500-3000	3000

(1) This feature is obsolete, and limited 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.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.3 Voice Grade(1) Service-(Continued)

E. Optional Features, BSEs and Functions-(Continued)

3. Conditioning BSE-(Continued)

b. Sealing Current Conditioning

Sealing current conditioning is provided to help maintain continuity on dry metallic(1) loops. It is usually associated with four-wire DA or NO-type channel interfaces.

c. Improved Attenuation Distortion (IAD)

Improved Attenuation Distortion upgrades the frequency versus loss response limits of the channel. The specifications for Improved Attenuation Distortion are delineated in Technical Reference set forth at the end of Paragraph 7.2.

d. 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 Technical References set forth at the end of Paragraph 7.2.

e. Improved Envelope Delay Distortion

Improved Envelope Delay Distortion Upgrades the frequency vs. delay response limits of the analog data channel. The specifications for Improved Envelope Delay Distortion are delineated in Technical References set forth at the end of Paragraph 7.2.

(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.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.3 Voice Grade Service(1)-(Continued)

E. Optional Features, BSEs and Functions-(Continued)

4. 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.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.3 Voice Grade(1) Service-(Continued)

E. Optional Features, BSEs and Functions-(Continued)

5. Improved Termination

Improved termination at a four-wire point of termination, ordered with either an effective two-wire or effective four-wire channel: Provides for a fixed 600 ohm impedance, variable level range and simplex reversal. Telephone Company equipment is required at the customer's premises where this option is ordered. The improved termination parameters are delineated in Technical References set forth at the end of Paragraph 7.2.

6. Improved Return Loss

Improved return loss at a two-wire point of termination ordered only on effective two-wire channels: Provides for more stringent echo control specifications. In order for this option to be applicable, the transmission path must be four-wire at one POT and two-wire at the other POT. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire POT. The improved return loss parameters are delineated in Technical References set forth at the end of Paragraph 7.2.

7. Data Capability

Data capability provides transmission characteristics suitable for data communications. Specifically, data capability provides for the control of signal to C-notched noise ration and intermodulation distortion.

The signal to C-notched noise ratio and intermodulation distortion parameters for data capability are:

- Signal to C-notched noise ratio is equal to or greater than 32 dB

(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.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.3 Voice Grade(1) Service-(Continued)

E. Optional Features, BSEs and Functions-(Continued)

7. Data Capability-(Continued)

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

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

8. Improved Echo Control

Improved Echo Control for two-wire WALs(1) provides more stringent control of reflected signals. Placement of Telephone Company equipment may be required at the customer's premises. The Improved Echo Control specifications are delineated in Technical References set forth at the end of Paragraph 7.2.

9. Improved Equal Level Echo Path Loss

Provides improved echo control at four-wire interface for effective two- wire voice grade configurations. Specifications can only be met with limited facility configurations. Improved Equal Level Echo Path Loss specifications are delineated in Technical References set forth at the end of Paragraph 7.2.

(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.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.3 Voice Grade(1) Service-(Continued)

E. Optional Features, BSEs and Functions-(Continued)

10. 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.

11. Selective Signaling Arrangement

An arrangement that permits code selective ringing for up to ten codes on a multipoint service.

12. Transfer Arrangement

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

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

	Available with Technical Specifications Package VG-													
	C	1	2	3	4	5	6	7	8	9	10	11	12	W
C-Type Conditioning (1)	X					X	X	X	X	X	X			
Central Office Bridging Capabilit	X		X			X	X				X	X	X	
Central Office Multiplexing	X						X							
C-Conditioning	X					X	X	X	X	X	X			

(1) This feature is obsolete, and limited 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.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.3 Voice Grade(1) Service-(Continued)

E. Optional Features, BSEs and Functions-(Continued)

	Available with Technical Specifications Package VG-												
	C	1	2	3	4	5	6	7	8	9	10	11	12	W
Data Capability	X						X				X			
Improved Attenuation Distortion (IAD)	X					X	X	X	X	X	X			X
Improved Echo Control at two-wire WAL(1) point of termination														X+
Improved Termination at four-wire point of termination	X	X	X	X	X	X	X	X	X	X	X	X		
Improved Return Loss at two-wire point of termination	X		X	X			X							
Improved ELEPL	X	X	X	X	X		X							
Sealing Current Conditioning	X	X				X	X				X		X	
Selective Signaling Arrangement	X		X											
Signaling Capability	X	X	X	X				X	X	X				*
Improved Envelope Delay Distortion(IEDD)	X						X	X	X	X	X	X		
Transfer Arrangement	X	X	X	X	X	X	X	X	X	X	X	X	X	

* Signaling is provided in conjunction with Switched Access Service.
+ When WAL(1) extensions are provided, Echo Control limits are not applicable.

(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.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.3 Voice Grade(1) Service-(Continued)

F. 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) 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.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

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7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

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7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

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7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

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(CP)ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

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7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.7 MegaLink Data(1) Service

A. Basic Channel Description

A MegaLink Data channel is a channel for duplex four-wire transmission of synchronous serial data at the rate of 4.8, 9.6, 19.2, 56.0 kbps or 64 kbps Clear Channel (CC)*. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. MegaLink Data channels are provided between customer-designated premises for two-point service at all speeds or between a customer - designated premises and a Telephone Company digital hub for multipoint or multiplexed service at all speeds except 64 kbps (CC).

It is the responsibility of the customer to provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the MegaLink Data Channel at the customer premises.

B. Technical Specifications Packages

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

The Telephone Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875 percent error-free seconds (if provided through a Digital Data Hub) 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 listed in Paragraph 7.2, preceding.

Voltages which are compatible with MegaLink Data Service are delineated in the appropriate technical reference listed in Paragraph 7.2, preceding.

*64 kbps Clear Channel (CC) is offered only where equipment and facilities are available.

(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.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.7 MegaLink Data(1) Service-(Continued)

C. Channel Interfaces

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

CI	Bit Rate
DU-48	4.8 kbps
DU-96	9.6 kbps
DU-19	19.2 kbps
DU-56	56.0 kbps
DU-64	64.0 kbps (CC)*

Compatible channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

D. Service to Service Through Connect Arrangement

This provides the interconnection of two subtending digital data channels derived from DS1 multiplexed services. The through connect will be provisioned in lieu of a typical MegaLink Data channel termination. The through connect will be provisioned for all MegaLink Data speeds; 4.8, 9.6, 19.2, 56 kbps and 64 kbps (CC). The ordering customer must provide channel assignments for both. Channel mileage is required if the multiplexed services are terminated in two separate digital Hubs.

E. Optional Features, BSEs and Functions

I. Central Office Bridging BSE Capability

2. Transfer Arrangement

An arrangement that affords the customer an additional measure of protection and/or flexibility in the use of their access channel(s) on a IxN basis. The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer premises. This arrangement is only available at a Telephone Company-designated Hub. A Key Activated or Dial-Up Control Service is required to operate the transfer arrangement. A spare line, if required, is not included as a part of the option.

*MegaLink Data Service 64 kbps channel interface is offered only with Clear Channel.

(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.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.7 MegaLink Data(1) Service-(Continued)

E. Optional Features, BSEs and Functions (Continued)

3. Secondary Channel Capability BSE

Secondary Channel capability provides for an additional low-speed digital transmission channel within the existing 4.8, 9.6, 19.2 and 56.0 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 a customer's network.

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

	Available with Technical Specifications Package DA-					
	I	2	3	4	5	6
Central Office Bridging Capability	X	X	X	X	X	
Transfer Arrangement	X	X	X	X	X	X
Secondary Channel Capability	X	X	X	X	X	

(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.

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7. SPECIAL ACCESS SERVICE

7.2 Service Descriptions (cont'd)

7.2.8 High Capacity Service[3] (AT)

A. Basic Channel Description

A High Capacity channel is a channel for the transmission of nominal 64.0 Kbps[1][2] or 1.544 or 44.736 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High Capacity channels are provided (a) between customer designated premises, (b) between a customer designated premises and a Telephone Company Hub, (c) Hub to Hub for Network Reconfiguration Service at 1.544 Mbps transmission or (d) between a Network Reconfiguration Service Hub and a Telephone Company Hub at 1.544 Mbps transmission.

It is the responsibility of the customer to provide the Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises. The interim program, for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

B. Technical Specifications Packages

	Package HC-		
Parameters	0	1	3
Error-Free Seconds		X	

A channel with technical specifications package HC1 will be capable of an error-free second performance of 98.75 percent over a continuous 24-hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured and maintained to conform with the specifications contained in Technical References set forth at the end of Paragraph 7.2.

(1) Available only as a channel of a 1.544 Mbps facility between two Telephone Company designated Hubs. The customer must provide system and channel assignment data.
(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) See Section 2.1.4(A) for service availability. (AT)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.8 High Capacity Service(3) (Continued) (AT)

C. Channel Interfaces

The following channel interfaces (CI's) define the bit rates that are available for a High Capacity channel:

CI	Bit Rate
DS-I5(I)(2)	I.544 Mbps (DSI)
DS-44	44.736 Mbps (DS3)

Compatible channel interfaces are set forth in Technical References at the end of Paragraph 7.2.

D. Service to Service Through Connect Arrangement

1. High Capacity Service Arrangement

This provides the interconnection of two DS1 at a Digital Hub.

2. Multiplexed Service Arrangement

This provides the interconnection of two digital channels extended from High Capacity multiplexed services. The through connect will be provisioned in lieu of a typical High Capacity channel termination. The ordering customer must provide channel assignments for both multiplexed services. Channel mileage is required if the multiplexed services are terminated in two separate digital hubs.

(1) A 64.0 Kbps channel is available as a channel(s) of a I.544 Mbps facility to a Telephone Company Hub.
(2) 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.
(3) See Section 2.1.4(A) for service availability. (AT)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.8 High Capacity Service(1) (Continued) (AT)

E. Optional Features, BSEs and Functions

1.

2. Transfer Arrangement

An arrangement that affords the customer an additional measure of flexibility in the use of their access channel(s). The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer premises. A Key Activated or Dial-Up Control Service is required to operate the transfer arrangement. A spare line, if required, is not included as part of the option.

3. Central Office Multiplexing BSE

a. DS3 to DSl

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

(1) See Section 2.1.4(A) for service availability. (AT)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.8 High Capacity Service[2] (Continued) (AT)

E. Optional Features, BSEs and Functions-(Continued)

3. Central Office Multiplexing BSE-(Continued)

b. DS1 to Voice

An arrangement that converts a l.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel of this DS1 to the Hub can also be used for a MegaLink Data, Metallic Service or WATS Access Lines.

c. DS1 to DSO

An arrangement that converts a l.544 Mbps channel to 23 64.0 kbps channels utilizing digital time division multiplexing.

d. 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 .6 kbps channels using digital time division multiplexing.

4. Clear Channel Capability BSE

Clear Channel Capability is an optional feature that provides the customer with an increase in useable bandwidth from 1.344 Mbps to 1.536 Mbps of an unconstrained data stream across the network. Clear Channel Capability is provided only on 1.544 Mbps High Capacity service and requires the customer signal at the channel interface to conform to Bipolar with Eight Zero Substitution (B8ZS) line code format as set forth in the technical reference for high capacity at the end of Paragraph 7.2. Customer equipment must be compatible with this method
of providing the unconstrained signal.

(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) See Section 2.1.4(A) for service availability. (AT)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.8 High Capacity Service-(Continued)

E. Optional Features, BSEs and Functions-(Continued)

5. Extended Superframe Format BSE

Extended Superframe Format is an optional feature that passes a customer provided framing format for l.544 Mbps High Capacity service. Extended Superframe Format extends the customer's 1.544 Mbps framing structure from 12 to 24 frames and divides the 8 kbps 193rd bit position pattern into three distinct functionalities: 2 kbps for frame synchronization, 2 kbps for cyclic redundancy checking, and 4 kbps used primarily to send performance monitoring information over the Facilities Data Link.

6. Power Over The Interface(1)

Power Over the Interface is an optional feature available with the installation of 1.544 Mbps High Capacity service. This option provides line power to the Customer's Premises Equipment, enabling the customer to benefit from uninterrupted service if a commercial power failure occurs.

(1) Obsolete, and limited to existing installations at existing locations, for existing customers.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

7.2.8 High Capacity Service[4] (Continued) (AT)

E. Optional Features, BSEs and Functions-(Continued)

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

	Available with Technical Specifications Package HC-		
	0	1	3
Transfer Central Office Multiplexing:		X	
DS3 to DS1			X
DSI to Voice		X	
DSI to DSO		X	
DSO to Subrate[1][3]	X		
Transfer Arrange-ment		X	
Clear Channel Capability		X	
Extended Superframe Format		X	
Power Over the Interface[2]		X	

(1) Available only on a channel of a l.544 Mbps facility to a Telephone Company Hub or on a DS0 channel that connects to a customer's Network Reconfiguration Service (NRS) Network that contains a DS1 channel.
(2) Obsolete, and limited 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.
(4) See Section 2.1.4(A) for service availability. (AT)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

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7. SPECIAL ACCESS SERVICE-(Continued)

7.2 Service Descriptions-(Continued)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations

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

7.3.1 Types of Rates and Charges

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

A. Monthly Rates

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

B. Nonrecurring Charges

Nonrecurring charges are one-time charges that apply for specific work activities (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, BSEs and functions and service rearrangements.

1. Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set forth in Paragraph 7.4, following, as a nonrecurring charge for the Channel Termination rate element and are applied per circuit on a first and additional basis for each service ordered. The initial circuit incurs the first nonrecurring charge for each channel termination associated with that circuit. Each subsequent circuit incurs the additional nonrecurring charge for each channel termination associated with that additional circuit.

In order to receive the benefit associated with ordering multiple circuits, the following criteria must be met:

- Same Access Service Order
- Same Application for Service Date
- Same Due Date
- Identical Services
- Same Billing Account Number (BAN)
- Same Originating and Terminating Customer Designated Premises

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.1 Types of Rates and Charges-(Continued)

B. Nonrecurring Charges-(Continued)

2. Installation of Optional Features, BSEs and Functions

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

The optional features and BSEs for which nonrecurring charges apply are:

- Voice Grade(1) Data Capability
- Voice Grade(1) Improved Attenuation Distortion
- Voice Grade(1) Improved Echo Control
- High Capacity(2) Clear Channel Capability (AT)

- MegaLink Data(1) Loop Transfer Arrangement
- MegaLink Data(1) Secondary Channel

- High Capacity(2) Transfer Arrangement (AT)

3. Service Rearrangements

Service Rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in Section 5, Paragraph 5.2.6 and 5.2.7, preceding, or 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 Paragraph 7.3.5, following.

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.

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

(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) See Section 2.1.4(A) for service availability. (AT)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.1 Types of Rates and Charges-(Continued)

B. Nonrecurring Charges-(Continued)

3. Service Rearrangements-(Continued)

-Change of customer name, (i.e., the customer of record does not change, but rather the customer of record changes its name (e.g., AT&T-Long Lines to AT&T Communications),
-Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of the service,
-Change in billing date (name, address or contact name or telephone number),
-Change of agency authorization,

-Change of customer test line number,
-Change of customer or customer's end user contact name or telephone number, and
-Change of jurisdiction.

Administrative changes for which nonrecurring charges will apply are set forth as follows:

A change in the customer record (i.e., existing access service is provided and billed to a different entity) is considered an administrative service rearrangement when the new customer assumes liability for all current and prior charges for the service(s) and has complied with the regulations and conditions as set forth in Section 2, Paragraph 2.2.1, preceding, for the assignment and transfer of facilities, and no physical relocation or rearrangement of the service |is required.

A nonrecurring charge will apply per circuit on a first and additional basis for the following change or combination of changes requested by the customer on the same Access Order and will be charged as set forth in Paragraph 7.4.10.

-Change of Access Carrier Name abbreviation (ACNA),
-Change of Billing Account Number (BAN) (e.g., a customer requests to aggregate all voice Grade(1) circuits on 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.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE

7.3 Rate Regulations (cont'd)

7.3.1 Types of Rates and Charges (cont'd)

B. Nonrecurring Charges (cont'd)

3. Service Rearrangements (cont'd)

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.

When a change of customer name and change in billing data (name, address, contact name, or telephone number) are requested in association with a change in the customer of record, the access order charge will apply as set forth in Section 5, Paragraph 5.2.2.

All other service rearrangements will be charged for as follows:

- 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.
- If the change involves the addition of an optional feature, BSE or function which has a separate nonrecurring charge, that nonrecurring charge will apply.
- If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade channel termination rate element nonrecurring charge will apply. The charge will apply per service termination affected.
- For all other changes, including the addition of an optional feature, BSE or function without a separate nonrecurring charge, or the retermination of Special Access circuits in a Network Reconfiguration Service Hub or a charge equal to a channel termination rate element, a nonrecurring charge will apply. Only one such charge will apply per service, per change. (CT)(RT)

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.2 Surcharge for Special Access Service

A. General Description

The Special Access Surcharge applies to all jurisdictionally intrastate special access facilities ordered from the Special Access section of the Access Service Tariff unless exempted as specified in Paragraph B., following.

All such facilities terminated at an end user's PBX or other device that connect the special access facility with local exchange lines or trunks, irrespective of whether the interconnection capability exists in the customer's premises equipment or in a Centrex CO type switch, are subject to the surcharge.

B. Exemption Certification

1. The special access facility will be exempted from the monthly surcharge if the customer provides the Telephone Company written certification or an Access Service Request (ASR) indicating that the intrastate special access facility termination is one of the following:

a. an open-end termination in a Telephone Company switch of an FX line, including CCSA and CCSA-equivalent ONALs; or
b. an analog channel termination that is used for radio program transmission; or
c. a termination used for TELEX service; or
d. a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines; or
e. a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges such as, where the special access facility access only FGA and no local exchange lines, or special access facility between customer points of termination, or special access facility connecting CCSA or CCSA-type equipment (inter-machine trunks); or
f. a termination that the customer certifies to the Telephone Company is not connected to a PBX or other device capable of interconnecting the special access facility to a local exchange subscriber line, or the PBX or other device has been rendered incapable of interconnection by software or hardware changes.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.2 Surcharge for Special Access Service-(Continued)

B. Exemption Certification-(Continued)

2. Exemption certification shall be in the form of an ASR or written notification to the Telephone Company. Such notification shall be provided by the customer (1) when ordered or installed or (2) at such time as the facility is reterminated to a device not capable of interconnecting to the local exchange network, or (3) at such time as the special access facility becomes associated with a Switched Access Service that is subject to Carrier Common Line charges.

If certification is not received at the time the special access facility is obtained, the surcharge will be applied. Exempt status will become effective on the certification date indicated by the customer, subject to the regulations in Paragraph C., following.

The exemption certification is to be provided by the customer ordering the service. If written, the certification must be signed by the customer or authorized representative. The ASR or written certification must include the category of exemption, as set forth in Paragraph B., preceding, for each termination and the date which the exemption is effective.

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

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

.3 Rate Regulations-(Continued)

7.3.2 Surcharge for Special Access Service-(Continued)

C. Crediting the Surcharge

The Telephone Company will cease billing the Special Access Surcharge when certification that the special access facility has become exempt from the surcharge, as set forth in Paragraph B., preceding, is received. if the status of the special access facility was changed prior to receipt of the exemption certification, the Telephone Company will credit the customer's account, not to exceed ninety (90) days, based on the effective date of the change specified by the customer in the letter of certification.

D. Rate Regulations

The monthly Special Access Surcharge applies to special access facilities arranged, as set forth in A preceding, on a per voice equivalent basis as shown in the following example.

Private Line Facility	Voice Grade Equivalent		Surcharge		Monthly Charge
Group	12	x	$25	=	$300.00
DS1(1)	24	x	$25	=	$600.00

(AT)

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

The Telephone Company will bill the surcharge to the customer who orders the special access facility unless the facility is exempt as set forth in B preceding.

7.3.3 Message Station Equipment Recovery Charge

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

Pursuant to CC Docket 83-1145 Memorandum Opinion and Order adopted by the Federal Communications Commission on November 8, 1984, and released on November 9, 1984, this charge is assessed only to those customers to which the Special Access Surcharge applies. The rate for the Message Station Equipment Recovery Charge is set forth in Paragraph 7.4.9, following.

(1) See Section 2.1.4(A) for service availability. (AT)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.4 Minimum Periods

Except as specified otherwise, the minimum service period for all services is one month.

7.3.5 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 Telephone Company location.

Rollovers may be performed at the following service levels:

- Analog(1)/MegaLink Data(1) to 1.544 Mbps High Capacity (DS1)(2) (AT)
- 1.544 Mbps High Capacity (DS1) (2) to 1.544 High Capacity (DS1) (2) |
- 1.544 Mbps High Capacity (DS1) (2) to MegaLink Custom (DS3) (2) (AT)

(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) See Section 2.1.4(A) for service availability. (AT)

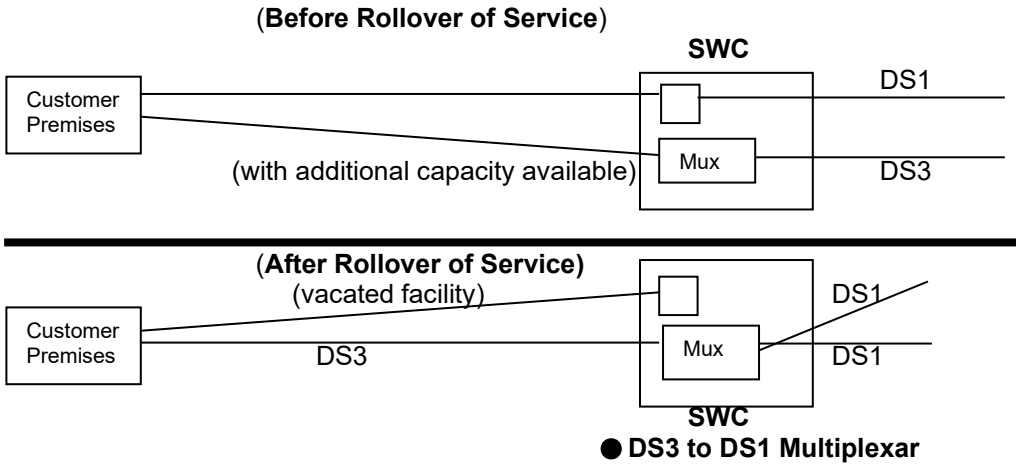
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7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

The diagram following illustrates a typical service arrangement before and after a Rollover has occurred.



The charges for a Rollover of the services shown above are detailed in Paragraph 7.4. There will be no change in minimum period requirements.

(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 as set forth in Section 13 for Other Labor. 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 services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.6 Mileage Measurement

The mileage to be used to determine the monthly rate for the channel mileage is calculated on the airline distance between the locations involved, i.e., the serving wire center associated with two customer designated premises, a serving wire center associated with a customer designated premises and a Telephone Company Hub, or a serving wire center associated with a customer designated premises and the WATS serving office. The serving wire center associated with a customer designated premises is the serving wire center from which the customer designated premises would normally obtain dial tone.

Mileage is shown in Paragraph 7.4, following, in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V&H coordinates method as set forth in the appropriate National Exchange Carrier Association, Inc. Tariff filed with the F.C.C.(1), then find the band into which the computed mileage falls and apply the rates shown for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

When Hubs are involved, mileage is computed and rates applied separately for each section of the channel mileage, i.e., customer designated premises serving wire center to Hub, Hub to Hub and/or Hub to customer designated premises serving wire center. However, when any service is routed through a Hub for purposes other than customer specified bridging, multiplexing, Network Reconfiguration Service or Transport Resource Management Service (i.e., the Telephone Company chooses to so route for test access purposes), rates will be applied only to the distance calculated between the serving wire centers associated with the customer designated premises.

(1) For intraLATA LEC to LEC traffic, percentages of ownership will be determined by the V&H coordinates located in the Missouri PTC intraLATA Data Base.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.7 Facility Hubs

A customer has the option of ordering voice grade(1) facilities of analog or digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, DS1(2), DS1C, DS2, DS3(2) or DS4) to a facility Hub for channelizing to individual services requiring lower capacity facilities (i.e., Telegraph(1), Voice(1) , etc.). (AT)

Different locations may be designated as Hubs for different facility capacities, i.e., multiplexing from digital to digital may occur at one location while multiplexing from digital to analog may occur at a different location. The customer will select the designated Hubs and their appropriate subtending wire center(s) from the National Exchange Carrier Association, Inc. Tariff filed with the F.C.C.

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 customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility(2) is multiplexed to voice frequency channel, the transmission performance of the channelized services will be voice grade(1), not high capacity. (AT)

(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) See Section 2.1.4(A) for service availability. (AT)

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7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.7 Facility Hubs-(Continued)

The Telephone Company will commence billing the monthly rate for the facility to the Hub on the date specified by the customer on the service order. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the Hub, or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a voice grade(1) or a high capacity digital channel termination, channel mileage, when applicable, an Inside Wire Recovery Charge, if 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.

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.

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.

(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.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.8 Shared Use(1) 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 Special Access high capacity channel termination. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for providing 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 (i.e., 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 utilizing the Shared Use Facilities and specify the channel assignment for each such service.

Switched Access Service rates and charges as set forth in Section 6, Paragraph 6.11, preceding, will apply for each channel of the shared use facility that is used to provide Switched Access Service. Where Special Access Service is provided utilizing a channel of the shared 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

(1) Effective September 3, 2024, existing Shared Use arrangements will be rated as Special Access Service, regardless of whether the individual channels are Special Access, Switched Access, or any other type of Service. The Company will no longer apply rate adjustments for Shared Use arrangements. (CT) | (CT)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.8 Shared Use(2) Analog and Digital High Capacity Services-(Continued)
the customer-designated premises will be dependent on the specific type of Special Access Service that is provided (i.e., Voice Grade(1), Telegraph(1), etc.) The applicable 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 7.4 following.

7.3.9 Inside Wire Recovery Charge

The Inside Wire Recovery Charge is a charge to recover that portion of inside wire cost that is assigned to Special Access Service. Inside wire is as set forth in the Federal Communications Commission's Rules and Regulations. Inside wire may be provided in association with Metallic(1), Telegraph Grade(1), Voice Grade(1), and MegaLink Data(1) Channel Terminations.

Pursuant to CC Docket 83-1145 Memorandum Opinion and Order adopted by the Federal Communications Commission on March 1, 1985, and released on March 8, 1985, the charge is assessed only to those customers to whom such wiring is provided at a customer-designated premises. Accordingly, the charge applies on a per Channel Termination basis for Metallic(1), Telegraph Grade(1), Voice Grade(1), (including WATS Access Lines(1)) or MegaLink Data(1) Special Access Services unless all such inside wire is provided by the customer.

The rate for the Inside Wire Recovery Charge is set forth in 7.4 following.

(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 September 3, 2024, existing Shared Use arrangements will be rated as Special Access Service, regardless of whether the individual channels are Special Access, Switched Access, or any other type of Service. The Company will no longer apply rate adjustments for Shared Use arrangements. (CT) | (CT)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.10 WATS Access Line Service (WALs)(1)

When WATS Access Lines are provided the Voice Grade(1) rate elements which apply are WAL Channel Termination (CT) between the customer designated premises and the serving wire center associated with that premises and Channel Mileage (CM) between the serving wire center associated with a customer designated premises and the WATS serving office (when the serving wire center is not a WATS serving office). In addition, the Inside Wire Charge (where appropriate),
Special Access Line Surcharge and Message Station Equipment Recovery Charge will apply.

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 intra-LATA extensions require an additional WAL Channel Termination and Channel Mileage (as needed). In addition, the Inside Wire Charge (where appropriate), Special Access Line Surcharge and Message Station Equipment Recovery Charge will apply.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.11 (Reserved for Future Use)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.11 (Reserved for Future Use)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.11 (Reserved for Future Use)

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1st Revised Sheet 75.6 was formerly 1st Revised Sheet 75.06

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.12 MegaLink Data(1) and High Capacity Services

A. Rate Bands

MegaLink Data(1) and High Capacity Services Channel Termination and Channel Mileage rates will fall within a lower and upper rate band. Only the monthly rates will fall within these rate bands. Written notice of rate change(s) and its effective date will be sent to the Commission within ten (10) days after the effective date. The rate bands are as follows:

1. MegaLink Data(1) Service	Lower Band	Upper Band
a. Channel Termination		
4.8 kbps	57.00	94.00
9.6 kbps	60.00	92.95
56.0 kbps	115.00	171.35
b. Channel Mileage Fixed		
4.8 kbps		
Mileage Bands		
0	None	None
Over 0 to 4	42.75	63.65
Over 4 to 8	42.75	63.65
Over 8 to 25	42.75	68.85
Over 25 to 50	42.75	69.85
Over 50	42.75	69.85

(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.

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1st Revised Sheet 75.7 was formerly 1st Revised Sheet 75.07

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.12 MegaLink Data(1) and High Capacity Services-(Continued)

A. Rate Bands-(Continued)

1. MegaLink Data(1) Service-(Continued)

b. Channel Mileage Fixed-(Continued)

9.6 kbps Mileage Bands	Lower Band	Upper Band
0	None	None
Over 0 to 4	$ 57.00	$ 87.55
Over 4 to 8	57.00	87.75
Over 8 to 25	57.00	91.95
Over 25 to 50	57.00	94.55
Over 50	57.00	94.55

56 kbps Mileage Bands	Lower Band	Upper Band
0	None	None
Over 0 to 4	94.00	134.85
Over 4 to 8	94.00	145.15
Over 8 to 25	94.00	160.65
Over 25 to 50	94.00	160.65
Over 50	94.00	161.00

c. Channel Mileage Per Mile

2.4 kbps Mileage Bands	Lower Band	Upper Band
0	None	None
Over 0 to 4	0.62	2.25
Over 4 to 8	0.62	1.20
Over 8 to 25	0.62	0.75
Over 25 to 50	0.62	0.60
Over 50	0.62	0.55

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1st Revised Sheet 75.8 was formerly 1st Revised Sheet 75.08

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.12 MegaLink Data(1) and High Capacity Services-(Continued)

A. Rate Bands-(Continued)

1. MegaLink Data(1) Service-(Continued)

c. Channel Mileage Per Mile-(Continued)

	Lower Band	Upper Band
4.8 kbps Mileage Bands		
0	None	None
Over 0 to 4	$ 0.62	$1.70
Over 4 to 8	0.62	1.70
Over 8 to 25	0.62	1.05
Over 25 to 50	0.62	1.00
Over 50	0.62	1.00
9.6 kbps Mileage Bands		
0	None	None
Over 0 to 4	1.10	2.65
Over 4 to 8	1.10	2.65
Over 8 to 25	1.10	2.10
Over 25 to 50	1.10	2.00
Over 50	1.10	2.00
56 kbps Mileage Bands		
0	None	None
Over 0 to 4	3.00	8.10
Over 4 to 8	3.00	5.55
Over 8 to 25	3.00	3.60
Over 25 to 50	3.00	3.60
Over 50	3.00	3.60

(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.

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1st Revised Sheet 75.9 was formerly 1st Revised Sheet 75.09

ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.3 Rate Regulations-(Continued)

7.3.12 MegaLink Data(1) and High Capacity Services(2) (Continued) (AT)

A. Rate Bands-(Continued)

2. High Capacity Service	Lower Band	Upper Band
a. Channel Termination		
1.544 Mbps	$147.88	$225.00
b. Channel Mileage Fixed		
1.544 Mbps Mileage Bands		
0	None	None
Over 0 to 4	46.00	100.00
Over 4 to 8	46.00	100.00
Over 8 to 25	46.00	80.00
Over 25 to 50	46.00	80.00
Over 50	46.00	80.00
c. Channel Mileage Per Mile		
1.544 Mbps Mileage Bands		
0	None	None
Over 0 to 4	25.00	50.00
Over 4 to 8	25.00	60.00
Over 8 to 25	25.00	60.00
Over 25 to 50	25.00	60.00
Over 50	25.00	60.00

(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.

(2) See Section 2.1.4(A) for service availability. (AT)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges

7.4.1 Metallic(1) Service

	USOC	Monthly Rates	Nonrecurring Charges 1st Ckt	Nonrecurring Charges Addl. Ckt
A. Channel Termination				
- Per point of termination	T6ECS	$24.00	113.00	77.00
1. Inside wire charge				
- Per Channel Termination	WMJ	None	None	

B. Channel Mileage

Mileage Bands	USOC	Monthly Rates Fixed	Monthly Rates Per Mile
0	1L5XX	None	None
Over 0 to 4	1L5XX	$12.00	.59
Over 4 to 8	1L5XX	12.00	2.20
Over 8 to 25	1L5XX	11.00	3.28
Over 25 to 50	1L5XX	11.00	3.28
Over 50	1L5XX	11.00	3.28

	USOC	Monthly Rates	Nonrecurring Charges
C. Optional Features, BSEs and Functions			
1. Bridging			
a. Three Premises Bridging			
- Per port	BCNM3	$5.35	None
b. Series Bridging			
- Per port	BCNMS	5.35	None

(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.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.2 Telegraph Grade(1) Service

	USOC	Monthly Rates	Nonrecurring Charges 1st Ckt	Nonrecurring Charges Addl. Ckt
A. Channel Termination				
- Per point of termination				
- Two-Wire	T6E2X	$38.00	167.00	121.00
- Four-Wire	T6E4X	64.25	167.00	121.00
1. Inside Wire Charge				
- Per Channel Termination	WMJ	None	None	

B. Channel Mileage

Mileage Bands	USOC	Monthly Rates Fixed	Monthly Rates Per Mile
0	1L5XX	None	None
Over 0 to 4	1L5XX	$22.75	$5.80
Over 4 to 8	1L5XX	22.00	5.80
Over 8 to 25	1L5XX	22.00	5.80
Over 25 to 50	1L5XX	23.25	5.80
Over 50	1L5XX	61.00	4.95

	USOC	Monthly Rates	Nonrecurring Charges
C. Optional Features, BSEs and Functions			
1. Telegraph Bridging Two-Wire and Four-Wire			
- Per port			
- Two-Wire	BCNT2	$6.60	None
- Four-Wire	BCNT4	6.60	None

(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.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.3 Voice Grade(1) Service

	USOC	Monthly Rates	Nonrecurring Charges 1st Ckt	Nonrecurring Charges Addl. Ckt
A. Channel Termination				
- Per point of termination				
- Two-Wire	T6E2X	$27.75	$153.00	113.00
- Four-Wire	T6E4X	63.75	175.00	129.00
- Digital WATS Access Line (WAL)*(1)	T6EDX	5.95	134.00	95.00

	USOC	Monthly Rates	Nonrecurring Charges
- Non-jointly provided WATS Access Line (WAL)(1) two-wire	X2H	41.25	75.00
- Non-jointly provided WATS Access Line (WAL)(1) four-wire	X4H	65.75	75.00
1. Inside Wire Charge - Per Channel Termination	WMJ	None	None

B. Channel Mileage

Mileage Bands	USOC	Monthly Rates Fixed	Monthly Rates Per Mile
0	1L5XX	None	None
Over 0 to 4	1L5XX	$20.00	$5.30
Over 4 to 8	1L5XX	19.50	5.30
Over 8 to 25	1L5XX	19.00	5.30
Over 25 to 50	1L5XX	18.75	5.30
Over 50	1L5XX	55.75	4.49

*Additive applicable in conjunction with customer ordered Digital High Capacity facility in Paragraph 7.4.7.

(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.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.3 Voice Grade Service(1)-(Continued)

	USOC	Monthly Rates	Nonrecurring Charges 1st Ckt	Nonrecurring Charges Addl. Ckt
C. Analog Service to Service Through Connect Arrangement				
Multiplexed Arrangement (Derived from a DS1 multiplexer)	THK	8.05	98.00	87.00
D. Optional Features, BSEs and Functions				
			Nonrecurring Charges	
1. Bridging				
a. Voice Bridging				
Two-Wire/Four-Wire - Per port				
- Two-Wire	BCNV2	$5.30	None	
- Four-Wire	BCNV4	5.30	None	

(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.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.3 Voice Grade(1) Service-(Continued)

	USOC	Monthly Rates	Nonrecurring Charges
D. Optional Features, BSEs and Functions-(Continued)			
1. Bridging-(Continued)			
b. Data Bridging			
Two-Wire/Four-Wire - Per port			
- Two-Wire	BCND2	$ 5.30	None
- Four-Wire	BCND4	5.30	None

(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.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.3 Voice Grade(1) Service-(Continued)

	USOC	Monthly Rates	Nonrecurring Charges
D. Optional Features, BSEs and Functions-(Continued)			
1. Bridging-(Continued)			
d. Telemetry and Alarm Bridging			
Active Bridging Channel Connections			
Split Band			
- Per channel connected	CNLRX	2.10	None
Summation			
- Per channel connected	BCNSA	3.19	None

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7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.3 Voice Grade(2) Service-(Continued)

	USOC	Monthly Rates	Nonrecurring Charges
D. Optional Features, BSEs and Functions-(Continued)			
1. Bridging-(Continued)			
d. Telemetry and Alarm Bridging-(Continued)			
Passive Bridging Channel Connections			
- Per channel connected	BCNTP	$ .83	None
2. Conditioning			
- Per point of termination			
C-Type(1)	X1CPT	42.25	None
C-Conditioning		.27	None
Sealing Current			
- Per point of termination	1HBPT	None	None
3. Improved Attenuation Distortion (IAD)			
- Per WAL(2) point of termination	ORA	6.90	177.00
- Per point of termination	UHW	.54	None

(1) This feature is obsolete, and limited 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.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.3 Voice Grade(1) Service-(Continued)

	USOC	Monthly Rates	Nonrecurring Charges
D. Optional Features, BSEs and Functions-(Continued)			
4. Improved Return Loss			
- Per two-wire point of termination	1RL2W	$5.40	None
5. Improved Termination			
- Per four-wire point of termination	1RI4W	5.40	None
6. Improved Echo Control			
- Per Two-Wire WAL(1) point of termination	ORH	None	$172.00
7. Improved equal Level Echo Path Loss			
- Per Point of termination	UHZ	None	None
8. Multiplexing			
Voice to Telegraph Grade (43-Type Carrier)(1)			
- Per arrangement	MQX	52.20	None
9. Data Capability			
- Per point of termination	XDCPT	7.25	$236.00
10. Improved Envelope Delay Distortion (IEDD) - per point of termination	UHY	47.90	None

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7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.3 Voice Grade(1) Service-(Continued)

	USOC	Monthly Rates	Nonrecurring Charges
D. Optional Features, BSEs and Functions-(Continued)			
11. Signaling Capability			
- Per point of termination	XSS++	$20.75	None
- In lieu of ++, substitute appropriate two digit code from following list to specify type of signaling.			
AB			
AC			
CT			
DX			
DY			
EA			
EB			
EC			
EX			
GO			
GS			
LA			
LB			
LC			
LO			
LR			
LS			
RV			
SF			

(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.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.3 Voice Grade(3) Service-(Continued)

	USOC	Monthly Rates	Nonrecurring Charges
D. Optional Features, BSEs and Functions-(Continued)			
12. Selective Signaling Arrangement			
Per point of termination	USZ	$15.90	None
13. Transfer Arrangement (key activated(1))			
Per four port arrangement including control channel termination(2)	USY	32.10	None
Per five port arrangement including control channel termination(2)	US5	28.70	None

(1) The key activated control channel is rated as a metallic channel termination (use USOC T6EME in lieu of T6ECS) and channel mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).
(2) An additional Channel Termination Charge will apply whenever a spare channel is configured as a leg to the customer premises. Additional Channel Mileage Charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.
(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.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

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7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

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7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

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7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

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7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

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7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

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7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

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7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

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7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.6 MegaLink Data(2) Service

	USOC	Monthly Rates	Nonrecurring Charges 1st Ckt	Nonrecurring Charges Addl. Ckt
A. Channel Termination				
- Per point of termination				
- 4.8 kbps(1)				
- 9.6 kbps(1)				
- 19.2 kbps	T6ECS	132.15	273.00	208.00
- 56.0 kbps(1)				
- 64.0 kbps (CC)	T6ECS	197.05	324.00	247.00

		Nonrecurring Charges
1. Inside Wire Charge		
- Per Channel Termination	WMJ	None

		Monthly Rates	
	USOC	Fixed	Per Mile
B. Channel Mileage			
1. 2.4 kbps(1)			

(1) See Supplemental Schedule for current effective rates.
(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.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.6 MegaLink Data(2) Service-(Continued)

B. Channel Mileage-(Continued)

2. 4.8 kbps(1)

3. 9.6 kbps(1)

4. 19.2 kbps

	USOC	Monthly Rates Fixed	Per Mile
Mileage Bands			
0	1L5XX	None	None
Over 0 to 4	1L5XX	$126.30	$2.85
Over 4 to 8	1L5XX	126.30	2.85
Over 8 to 25	1L5XX	126.30	2.85
Over 25 to 50	1L5XX	126.30	2.85
Over 50	1L5XX	126.30	2.85

(1) See Supplemental Schedule for current effective rates.
(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.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.6 MegaLink Data(2) Service-(Continued)

B. Channel Mileage-(Continued)

5. 56 kbps(1)

6. 64 kbps (CC)

Mileage Bands	USOC	Monthly Rates Fixed	Monthly Rates Per Mile
0	1L5XX	None	None
Over 0 to 4	1L5XX	$184.75	$ 9.35
Over 4 to 8	1L5XX	184.75	9.35
Over 8 to 25	1L5XX	184.75	9.35
Over 25 to 50	1L5XX	184.75	9.35
Over 50	1L5XX	184.75	9.35

	USOC	Monthly Rates	Nonrecurring Charges 1st Ckt	Nonrecurring Charges Addl. Ckt
C. Service to Service Through Connect Arrangement				
Interconnection of two subtending digital channels (Derived from DS1 multi-plexers)	THK	None	$91.00	$81.00

D. Optional Features, BSEs and Functions

		Nonrecurring Charges	
1. Bridging - Per port	BCNDA	$19.50	None

(1) See Supplemental Schedule for current effective rates.

(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.

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7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.6 MegaLink Data(4) Service-(Continued)

D. Optional Features, BSEs and Functions-(Continued)

	USOC	Monthly Rates	Nonrecurring Charges
2. Loop Transfer Arrangement (key activated(1)) - Per four port arrangement(2)	XTD	$64.25	$40.00
3. Secondary Channel Capability - Per Channel termination	SCA	12.00	125.00(3)

(1) The key activated control channel is rated as a metallic channel termination (use USOC T6EME in lieu of T6ECS) and channel mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).
(2) An additional Channel Termination Charge will apply whenever a spare channel is configured as a leg to the customer's premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.
(3) Nonrecurring charge applies only if secondary channel capability is installed subsequent to initial installation of MegaLink channel termination.
(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.

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MEGALINK DATA(1) SERVICE

	USOC	Monthly Rates	Nonrecurring Charges 1st Ckt	Nonrecurring Charges Addl. Ckt
A. Channel Termination - Per point of termination				
- 4.8 kbps	T6ECS	94.00	279.00	213.00
- 9.6 kbps	T6ECS	92.95	274.00	209.00
- 56.0 kbps	T6ECS	171.35	324.00	249.00

	USOC	Monthly Rates Fixed	Monthly Rates Per Mile
B. Channel Mileage			
1. 2.4 kbps			
Mileage Bands			
0	1L5XX	None	None
Over 0 to 4	1L5XX	$62.75	$2.25
Over 4 to 8	1L5XX	67.00	1.20
Over 8 to 25	1L5XX	70.45	.75
Over 25 to 50	1L5XX	73.85	.60
Over 50	1L5XX	76.85	.55
2. 4.8 kbps			
Mileage Bands			
0	1L5XX	None	None
Over 0 to 4	1L5XX	$ 63.65	$1.70
Over 4 to 8	1L5XX	63.65	1.70
Over 8 to 25	1L5XX	68.85	1.05
Over 25 to 50	1L5XX	69.85	1.00
Over 50	1L5XX	69.85	1.00

Pursuant to Section 392.510.3, R.S.Mo. 1994

(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.

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MEGALINK DATA(1) SERVICE

	USOC	Monthly Rates Fixed	Per Mile
B. Channel Mileage-(Continued)			
3. 9.6 kbps			
Mileage Bands			
0	1L5XX	None	None
Over 0 to 4	1L5XX	$ 87.55	$2.65
Over 4 to 8	1L5XX	87.75	2.65
Over 8 to 25	1L5XX	91.95	2.10
Over 25 to 50	1L5XX	94.55	2.00
Over 50	1L5XX	94.55	2.00
4. 56 kbps			
Mileage Bands			
0	1L5XX	None	None
Over 0 to 4	1L5XX	$134.85	$8.10
Over 4 to 8	1L5XX	145.15	5.55
Over 8 to 25	1L5XX	160.65	3.60
Over 25 to 50	1L5XX	160.65	3.60
Over 50	1L5XX	161.00	3.60

Pursuant to Section 392.510.3, R.S.Mo. 1994

(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.

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(CONTINUED)

7.4 Rates and Charges-(Continued)

7.4.7 High Capacity Service(4) (AT)

	USOC	Monthly Rates	Nonrecurring Charges 1st Ckt	Nonrecurring Charges Addl. Ckt
A. Channel Termination				
- Per point of termination				
- 1.544 Mbps(1)				
- 44.736 Mbps	TWT++	ICB	ICB	ICB

	USOC	Monthly Rates Fixed	Monthly Rates Per Mile
B. Channel Mileage			
1. 64 Kbps(2)(3)			
Mileage Bands			
0	1L5TC	None	None
Over 0 to 4	1L5XX	56.65	$2.50
Over 4 to 8	1L5XX	57.50	2.40
Over 8 to 25	1L5XX	57.60	2.40
Over 25 to 50	1L5XX	57.00	2.35
Over 50	1L5XX	57.00	2.35

(1) See Supplemental Schedule for current effective rates.

(2) Available only as a channel of a 1.544 Mbps facility to a SWBT Digital Data Hub or as a cross connect of two channels of two 1.544 Mbps facilities to a Digital Data Hub(s). The customer must provide system and channel assignment data.

(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.

(4) See Section 2.1.4(A) for service availability. (AT)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.7 High Capacity Service[2] (Continued) (AT)

		Monthly Rates	
	USOC	Fixed	Per Mile

B. Channel Mileage-(Continued)

2. 1.544 Mbps[1]

(1) See Supplemental Schedule for current effective rates.

(2) See Section 2.1.4(A) for service availability. (AT)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.7 High Capacity Service[1] (Continued) (AT)

B. Channel Mileage-(Continued)

3. 44.736 Mbps

Mileage Bands	USOC	Monthly Rates Fixed	Per Mile
0	1LO++	None	None
Over 0 to 4	1LO++	ICB	ICB
Over 4 to 8	1LO++	ICB	ICB
Over 8 to 25	1LO++	ICB	ICB
Over 25 to 50	1LO++	ICB	ICB
Over 50	1LO++	ICB	ICB

(1) See Section 2.1.4(A) for service availability. (AT)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued) (FC)

7.4 Rates and Charges-(Continued) (FC)

7.4.7 High Capacity Service[1] (Continued) (FC)(AT)

	USOC	Monthly Rates	Nonrecurring Charges 1st Ckt	Nonrecurring Charges Addl. Ckt
A. Channel Termination				
- Per point of termination				
- 1.544 Mbps	TMECS	$225.00	569.00	$368.00

	USOC	Monthly Rates Fixed	Monthly Rates Per Mile
B. Channel Mileage			
1.544 Mbps			
Mileage Bands			
0	1L5XX	None	None
Over 0 to 4	1L5XX	$100.00	$50.00
Over 4 to 8	1L5XX	100.00	60.00
Over 8 to 25	1L5XX	80.00	60.00
Over 25 to 50	1L5XX	80.00	60.00
Over 50	1L5XX	80.00	60.00

Pursuant to Section 392.510.3, R.S.Mo. 1994

(1) See Section 2.1.4(A) for service availability. (AT)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.7 High Capacity Service(1) (Continued) (AT)

	USOC	Monthly Rates	Nonrecurring Charges	
			1st Ckt	Addl. Ckt
C. Service to Service Through Connect Arrangement				
1. High Capacity Service Arrangement				
- 1.544 Mbps (DS1)	THA	None	181.00	138.00
2. Multiplexed Service Arrangement				
- 1.544 Mpbs (DS1)	THK	None	294.00	248.00

(1) See Section 2.1.4(A) for service availability. (AT)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.7 High Capacity Service[3] (Continued) (AT)

	USOC	Monthly Rates	Nonrecurring Charges
D. Optional Features, BSEs and Functions			
1. Multiplexing			
DS3 to DS1			
- Per arrangement	MXB++	ICB	None
DS1 to Voice[1]			
- Per arrangement	MQ1	$200.00	None
DS1 to DSO			
- Per arrangement	QMU	600.00	None
DSO to Subrates[2]			
- Per arrangement			
- Up to twenty 2.4 kbps services	QSU24	147.00	None
- Up to ten 4.8 kbps services	QSU48	291.20	None
- Up to five 9.6 kbps services	QSU96	556.30	None

(1) A channel of this DS1 to the Hub can be used for a MegaLink Data 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.

(3) See Section 2.1.4(A) for service availability. (AT)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.7 High Capacity Service[6]-(Continued) (AT)

	USOC	Monthly Rates	Nonrecurring Charges
D. Optional Features, BSEs and Functions-(Continued)			
2.			
3. Transfer Arrangement (key activated[2][5])			
- Per four port arrangement including control channel termination[3]	USV	241.50	235.00
4. Clear Channel Capability			
- Per 1.544 Mbps High Capacity Channel Termination	CLR	30.00	88.00[4]

(2) The key activated control channel is rated as a metallic channel termination (use USOC T6EME in lieu of T6ECS) and channel mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).
(3) An additional Channel Termination Charge will apply whenever a spare channel is configured as a leg to the customer's premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.
(4) This charge applies to installing clear channel capability coincident with the initial installation of the 1.544 Mbps service. Installation of this option to existing 1.544 Mbps service will be charged $135.00 nonrecurring charge.
(5) Effective June 30, 2021, Metallic 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.
(6) See Section 2.1.4(A) for service availability. (AT)

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7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.7 High Capacity Service(1) (Continued) (AT)

D. Optional Features and functions-(Continued)	USOC	Monthly Rates	Nonrecurring Charges
5. Extended Superframe Format - Per 1.544 Mbps Channel termination	SF1	None	None
6. Power Over the Interface - Per 1.544 Mbps Channel interface	PW1	None	None

(1) See Section 2.1.4(A) for service availability. (AT)

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7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

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7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.9 (Reserved for Future Use)

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.9 (Reserved for Future Use)

7.4.10 Special Access Surcharge

	USOC	Monthly Rate
Per Voice Equivalent Channel	S25	$25.00

7.4.11 Message Station Equipment Recovery Charge

	USOC	Monthly Rate
Message Station Equipment Recovery Charge		
- Per Special Access Surcharge Assessd.	UTM	None

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ACCESS SERVICES

7. SPECIAL ACCESS SERVICE-(Continued)

7.4 Rates and Charges-(Continued)

7.4.12 Administrative Charges

1. Access Order Charges — Nonrecurring Charges (See Section 5)

2. Service Arrangement Charge

	USOC	Nonrecurring Charges 1st Ckt	Addl. Ckt
- Per circuit(1) on the same Access Order for one or and combination of the following changes:			
- Access Carrier Name Abbreviation (ACNA). . . .		$10.00	$6.00
- Billing Account Number (BAN).		11.00	6.00
- Customer Circuit ID (CKR).		9.00	5.00

7.4.13 Rollover

	USOC	Nonrecurring Charges 1st Ckt	Addl. Ckt	
- Analog(2)/MegaLink Data(2) to 1.544 Mbps High Capacity(3)				(AT)
- per service rolled over	NRBRA	$110.00	$80.00	
- 1.544 Mbps High Capacity(3) to 1.544 Mbps High Capacity(3)				(AT) (AT)
- per service rolled over	NRBRH	$115.00	$85.00	
- 1.544 Mbps High Capacity(3) to MegaLink Custom(3)				(AT) (AT)
- per service rolled over	NRBR1	$115.00	$85.00	

(1) Each leg of a multipoint service will be treated as a separate circuit and charges applied as described in Paragraph 7.3.1.

(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) See Section 2.1.4(A) for service availability. (AT)

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