FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services

		Brightspeed of Central Mo.	Brightspeed of Missouri
(A)	Basic TFC Data Base Query Charge – Per Query	**$0.0002 (R)**	**$0.0002 (R)**
(B)	End Office Switching - Bundled		
	Per Access Minute		
	EOS1 & EOS2		
	Originating – Toll Free	**0.0000000 (R)**	**0.0000000 (R)**
	Originating – Non-Toll Free	0.02542121	0.02542121
	Terminating	0.00000000	0.00000000
(C)	Alternate Traffic Routing – BSE Nonrecurring Charge Per Trunk Group Equipped *	$33.55	$33.55

* This flat rated charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation Order in Section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes.

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services

Reserved for Future Use

(M)
(M)

(M) Material omitted from this sheet now appears on Sheet 152

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services (Cont'd)

(D) Automatic Number Identification (ANI) – BSE

Rate Per ANI Attempt *	**$.00007 (R)**	(T)

	CenturyTel of Central Mo.	CenturyTel of Missouri	
(E) User Transfer – BSE *			(T)
Monthly Rate Per Line Arranged	**$0.75 (R)**	**$0.56 (R)**	
(F) Hunt Group Arrangement-BSE *			(T)
Premium Monthly Rate Per Line Equipped	**1.50 (R)**	**0.04 (R)**	
(G) Queuing – BSE *			(T)
Premium Monthly Rate Per Group Equipped	**7.50 (R)**	**2.33 (R)**	
(H) Uniform Call Distribution – BSE *			(T)
Premium Monthly Rate Per Line Equipped	**2.50 (R)**	**2.50 (R)**	
(I) Network Blocking Charge *			(T)
Applies to FGB, FGC, FGD, BSA-B, BSA-C, BSA-D SAC Access Service - Per Call	**0.0090 (R)**	**0.0050 (R)**	

* This flat rated charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation Order in Section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes. (N) (N)

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.3 End Office Services (Cont'd)

		Brightspeed of Central Mo.	Brightspeed of Missouri	
(J)	Remote Call Forwarding – BSE *			
	Premium Monthly Rate Per DID Term	$8.00	$ 0.82	
(K)	Direct Inward Dialing (DID) – BSE *			
	Monthly Rate			
	Per DID Term	17.50	5.95	
	Per Block of 20 Numbers	9.00	1.31	
(L)	Billed Number Screening (BNS) – BSE *			
	Monthly Rate			
	Per Lines Screened	2.05	0.17	
(M)	Shared Trunk Port			
	Per Access Minute			
	Originating – Toll-Free	**0.0000000**	**0.0000000**	(R)
	Originating – Non-Toll Free	0.0027245	0.0004466	
	Terminating	0.0000000	0.0000000	
(N)	Dedicated Trunk Port *			
	Per Port			
	Voice	13.65	11.24	
	DS1	5.07	4.20	

* This flat rated charge was calculated based upon a 50/50 split between originating and terminating. The FCC in their FCC 11-161 ICC Transformation Order in Section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes.

** The End Office Dedicated Trunk Port rate was calculated based upon a 50/50 split between originating and terminating traffic using this flat-rated port. The FCC in their FCC 11-161 ICC Transformation order in section 51.907(d)(1) allowed Price Cap Carriers to use an equal split to divide the charge between originating and terminating elements. When the terminating portion of the rate is reduced and then combined with the originating portion of the rate, a single flat rate is generated for billing purposes. The Originating portion of the charge is $13.65 for Voice and $5.07 for DS1 for CenturyTel of Central Missouri and $11.24 for Voice and $4.20 for DS1 for CenturyTel of Missouri.

FACILITIES FOR INTRASTATE ACCESS

4. SWITCHED ACCESS (Cont'd)

4.6 Rates and Charges (Cont'd)

4.6.4 (Reserved for Future Use)* (C)

(D)

(D)

4.6.5 FGA or BSA-A Usage Sensitive Credit Allowance

	Usage Sensitive Service Credit Allowance Credit Per Originating FGA or BSA-A Access Minute #
CenturyTel of Central Missouri	$ .00049351

4.6.6 Assumed Minutes of Use Monthly Surrogate

Per Two Way Line/Trunk		Per One Way Line/Trunk			
		Originating Only		Terminating Only	
FGA or BSA-A	FGB or BSA-B	FGA or BSA-A	FGB or BSA-B	FGA or BSA-A	FGB or BSA-B
2451	(1)	(1)	(1)	(1)	(1)

4.6.7 Carrier Identification Parameter (CIP)

Non-Recurring Charge-Per CIC. Per End Office Direct Trunk Group	Non-Recurring Charge Per CIC. Per Access Tandem Direct Trunk Group	Monthly Recurring Charges Per Trunk
$80.00	$1,120.00	$ .45657589

* The Information Surcharge has been eliminated.
\# The credit is applied to the End Office Switching rate element.
(1) These jurisdictions either have all existing services measured or have no customers at this time. In the event an ASR is received for a new customer and there is no measurement capability for the office requested, a traffic study will be made to establish a surrogate and such surrogate will be tariffed.

Gary Kepley
Director - Regulatory Operations
Overland Park, Kansas

FACILITIES FOR INTRASTATE ACCESS

SECTION 5 TABLE OF CONTENTS

FACILITIES FOR INTRASTATE ACCESS

SECTION 5 TABLE OF CONTENTS (Cont'd)

FACILITIES FOR INTRASTATE ACCESS

SECTION 5 TABLE OF CONTENTS (Cont'd)

FACILITIES FOR INTRASTATE ACCESS

SECTION 5 TABLE OF CONTENTS (Cont'd)

FACILITIES FOR INTRASTATE ACCESS

SECTION 5 TABLE OF CONTENTS (Cont'd)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS

5.1 General

Special Access provides a transmission path to connect CDLs* within a LATA for Intrastate Telecommunications. Special Access provided to a customer may be connected directly to customer facilities, through Telephone Company Hub Wire Centers where bridging or multiplexing functions are performed, and/or may be connected to access facilities of another telephone company or companies in the joint provision of Special Access Service as well as may be connected to Switched Access as set forth in Section 4.

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

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

5.1.1 Rate Elements

With the exception of Temporary Videoband Service, there are five basic rate elements which apply to Special Access Service:

Special Transport (described in 5.1.1(B) following)
Special Transport Termination (described in 5.1.1(G) following)
Special Access Line (described in 5.1.1(C) following)
Supplemental Features (described in 5.4 following)
Multiplexing Arrangements (described in 5.5 following)

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

Generic Name	CenturyTel Name
Access to Clear Channel Transmission	Clear Channel Capability
Automatic Protection Switching	Automatic Protection Switching
Bridging	Bridging
Conditioning	Conditioning
Data Over Voice (DOV) Service	DOV Connect
Secondary Channel Capability	Digital Data Service - Secondary Channel
Multiplexing - Digital 2000	Multiplexing Arrangements

(A) (Reserved for Future Use)

* Telephone Company Centrex CO-like switches are considered to be CDLs for the purposes of this tariff.

Jeffrey Glover
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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.1 Rate Elements (Cont'd)

(B) Special Transport

(1) The Special Transport rate element provides for the transmission facilities between the serving wire centers associated with two CDLs, between a serving wire center associated with an end user's CDL and a WATS Serving Office, between a serving wire center associated with a CDL and a Telephone Company Hub Wire Center or between two Telephone Company Hub Wire Centers.

The Special Transport element is distance sensitive, except for CenturyTel Lan, and varies with type of capability (i.e., analog or digital) and type of facility (e.g., Voiceband, Digital Data Service, etc.). Special Transport may be provided by more than one telephone company. The method of calculating applicable airline miles for rating purposes for Special Access is specified in 2.7.

CenturyTel Lan Transport provides flat rate non-distance sensitive transport for DS1 bandwidth on fiber optic facilities. The rate element associated with CenturyTel Lan is a monthly recurring charge as set forth in 5.7.7(B).

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

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

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.1 Rate Elements (Cont'd)

(C) Special Access Line (SAL)

(1) A Special Access Line provides the transmission facilities to a Customer Designated Location (CDL) or the facilities between a CDL and the serving wire center. This rate element varies by type of capability (i.e., analog or digital) and type of facility (e.g., Voiceband, Digital Data Service, etc.).

The selection of a Terminating Option, as defined in 5.3, is required for terminating the network portion of a Special Access Line at a CDL. Terminating Options provide a clearly delineated interface which facilitates the design, isolation, and testing of the Special Access.

One Special Access Line charge applies per CDL at which the facility is terminated. This charge applies even if the facilities to the CDL do not transit a serving wire center; this charge also applies if the CDL and the serving wire center are co-located in a Telephone Company building. The Special Access Line charge used with a Switching Interface, as set forth in (2) below, is applicable only for the transmission facilities between the end user's CDL and the serving wire center of that location.

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

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

Jeffrey Glover
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5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.1 Rate Elements (Cont'd)

(C) Special Access Line (SAL) (Cont'd)

(2) All Special Access Lines used with a Switching Interface are:

- provided with dial pulse address signaling or Dual Tone Multifrequency (DTMF) address signaling and either loop start or ground start supervisory signaling. The type of signaling is the option of the customer.
- available as either a two-wire or four-wire Voiceband Special Access Service (i.e., 300-3000 Hz bandwidth). Each transmission path is provided at the option of the customer with transmission specifications as described in Section 7000 of the GTE Technical Interface Reference Manual.

All rules and regulations pertaining to Special Access are applicable to Special Access Lines used with a Switching Interface. Rates and Charges are found in 5.7.5 for two-wire and four-wire Voiceband Special Access Lines.

A customer may also order high capacity facilities from an end user's CDL to a Telephone Company Hub for the purpose of originating or terminating Special Access Lines used with a Switching Interface. High capacity to voice multiplexing will be required at the Hub. The customer will be required to submit an ASR for the high capacity facility and voice multiplexing. The customer will also be required to submit an ASR(s) for the individual Voiceband SALs specifying the channel facility assignment (CFA) for each service. This Hub may or may not be a WATS Serving Office. In those instances when the Hub is not a WATS Serving Office, Voiceband Special Transport is applicable as set forth in 5.1.1(B), for each individual Special Access Line used with a Switching Interface to the Telephone Company designated WATS Serving Office.

(D) (Reserved for Future Use)

(E) Supplemental Features

Supplemental Features may be added to a Special Access circuit to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific facilities, but rather represent the end result in terms of performance characteristics which may be obtained. These characteristics may be obtained by using various combinations of facilities. Although the facilities necessary to perform a specified function may be installed at various locations along the path of the Special Access circuit, including the CDL, it will be provided for as a single rate element.

Examples of Supplemental Features that are available include, but are not limited to, bridging and conditioning. Each Supplemental Feature is described in 5.4, and rates are set forth in 5.7.

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.1 Rate Elements (Cont'd)

(F) Multiplexing Arrangements

Multiplexing provides for arrangements to convert a single higher capacity or bandwidth circuit for bulk transport to several lower capacity or bandwidth circuits. Multiplexing is only available at a Telephone Company designated Hub Wire Center arranged for multiplexing. All types of multiplexing may not be available at each Hub Wire Center. Refer to Section 5.6.6 for a description of Hub Wire Center. Descriptions for each type of multiplexing arrangements are provided in 5.5 following, and rates are set forth in 5.7 following.

(G) Special Transport Termination

(1) DS1 Service

The Special Transport Termination rate element as set forth in 5.7, applies to selected Special Access Service offerings, except for CenturyTel Lan Special Transport Service, and is in addition to the Special Transport rate element. Special Transport Termination provides the equipment and arrangements necessary to terminate the Special Transport facility at a serving wire center. One Special Transport Termination charge applies for the termination of each end of a Special Transport facility for DS1 offerings.

(2) **Fractional T1 Service (FT1)** [1] (C)

For Fractional T1 Service, Special Transport Termination must be ordered as Fractional Special Transport Termination in the same grouping (N x 56 Kbps or N x 64 Kbps where N = 2, 4, or 6) as the associated FT1 SALs.

[1] **Effective November 1, 2021 Fractional DS1 Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N) (N)

5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.2 Special Access Configurations

There are two types of facility configurations over which Special Access Services are provided - two-point and multipoint.

(A) Two-point Service

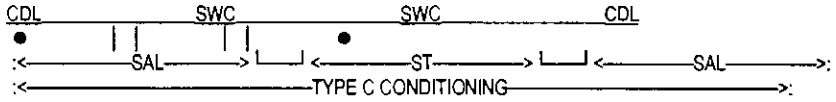
A two-point configuration is a circuit which is provided to connect two CDLs, either directly connected or through a Hub Wire Center where multiplexing functions are performed, or a CDL and a WATS Serving Office.

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

With the exception of Temporary Videoband Service, applicable rate elements are:

- Special Access Lines
- Special Transport (when applicable)
- Special Transport Termination (when applicable)
- Supplemental Features (when applicable)
- Multiplexing Arrangements (when applicable)

The following diagram depicts a typical two-point service connecting two CDLs. The service is provided with the supplemental feature of Type C Conditioning:



SAL - Special Access Line
ST - Special Transport
SWC - Serving Wire Center
CDL - Customer Designated Location

Applicable rate elements are:
- Special Access Line (2 applicable)
- Special Transport (per airline mile between SWCs)
- Supplemental Feature of Type C Conditioning (2 applicable)

In addition, a Special Access Surcharge, as set forth in 5.6.9 following, and a Message Station Equipment Recovery Charge, as set forth in 5.6.10 following may be applicable.

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.2 Special Access Configurations (Cont'd)

(B) Multipoint Service

A multipoint configuration is a circuit that is provided to connect three or more CDLs through a Telephone Company Hub Wire Center.

Only Voiceband, Program Audio, Digital Data Service facilities, and Miscellaneous Services where so designated, will be provided as multipoint configurations. There is no limitation on the number of mid-links, but the use of more than three mid-links in tandem may degrade the quality of the multipoint facilities. A mid-link is defined as the Special Transport facilities between Hub Wire Centers where the circuit is bridged and/or where circuit switching devices, such as loop transfer arrangement, are located.

Multipoint service is provided in the following manner:

(1) Special Access Line per CDL to their respective serving wire centers.

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

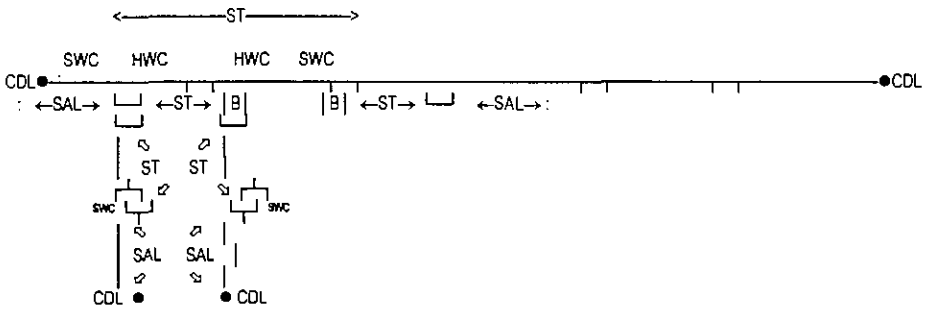
(3) Special Transport between Hub Wire Centers.

(4) Supplemental Features: Bridging equipment for each bridging location and other Supplemental Features when applicable.

(5) (Reserved for Future Use)

(6) Multiplexing Arrangements when applicable.

The following diagram depicts a multipoint service connecting four CDLs via two customer specified Hub Wire Centers:



SAL - Special Access Line
ST - Special Transport
SWC - Serving Wire Center
CDL - Customer Designated Location
HWC - Hub Wire Center
B - Bridging

5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.2 Special Access Configurations (Cont'd)

(B) Multipoint Service (Cont'd)

Applicable rate elements are:
- Special Access Lines (4 applicable)
- Special Transport (5 segments, per airline between SWCs and HWCs)
- Bridging (6 applicable, one per bridge port)

In addition, the Special Access Surcharge, as set forth in 5.6.9 following, and the Message Station Equipment Recovery Charge, as set forth in 5.6.10 may be applicable.

5.1.3 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 as set forth in Section 9 following.

5.1.4 Design Layout Report

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

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

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

5.1.5 Acceptance Testing

At the time of installation, the following test parameters apply:

(A) For Voiceband services, acceptance testing will include tests for loss, 3-tone slope, DC continuity, operational signaling, C-notched noise, and C-message noise.

When the Interface Arrangement provides a four-wire voice transmission facility and the point of termination provides two-wire voice transmission (i.e., there is a four-wire to two-wire conversion at the point of termination) balance tests are also included in acceptance testing. When performing installation and acceptance testing, the Telephone Company will test the access service within the LATA.

On four-wire and effective four-wire circuits where the Network Channel Terminating Equipment (NCTE) has the capability of being remotely aligned, the Telephone Company may perform acceptance testing without a Telephone Company technician at the customer's premise. Should the customer request a technician be present at the customer's premise, additional charges will apply as set forth in Section 6.2(C). The applicable rates are in Section 6.2(G).

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.5 Acceptance Testing (Cont'd)

(A) (Cont'd)

If the NCTE at the customer's premise does not have the capability of being aligned remotely, the additional charges will not apply. The Telephone Company will determine the type of NCTE placed at a customer's premise.

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

When the customer requests the performance of additional cooperative tests which are not required to meet these specified performance parameters, charges as set forth in 6.6 (B) following will apply. All test results will be made available to the customer upon request.

If acceptance tests are not started within 15 minutes after pre-service tests have been completed and the customer has been notified by the Telephone Company, additional charges may apply, as set forth in 6.2 following, unless the delay is caused by the Telephone Company.

5.1.6 Ordering Conditions

Ordering conditions are set forth in detail in Section 3 preceding. Also included in that section, are other charges which may be associated with ordering Special Access (e.g., Service Date Change Charges, Cancellation Charges, etc.).

(A) Determination of Jurisdiction of Mixed Use Special Access Lines

When mixed interstate and intrastate Special Access Service is ordered, the jurisdiction will be determined as follows:

1. If the customer's estimate of the interstate traffic on the physically intrastate line involved constitutes 10% or less of the total traffic on that line, the line will be ordered and provided in accordance with the applicable rules and regulations of this tariff.

2. If the customer's estimate of the interstate traffic on the physically intrastate line involved constitutes more than 10% of the total traffic on that line, the line will be ordered and provided in accordance with the applicable rules and regulations of the interstate tariff.

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.1 General (Cont'd)

5.1.6 Ordering Conditions (Cont'd)

(B) Special Access Jurisdictional Verification

If a billing dispute arises or a regulatory commission questions the customer's certification of the jurisdiction of the line the Telephone Company will ask the customer to provide the data used to determine the jurisdiction. The customer shall supply the data within 30 days of the Telephone Company's request. The customer shall keep records of system design and functions from which the jurisdiction can be ascertained and upon request of the Telephone Company make the records available for inspection as reasonably necessary for purposes of verification of the jurisdiction of the service.

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FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access

There are **four** generic types of Special Access offerings. They are: (C)

– **Voiceband** [1] (C)
– **Program Audio** [1] (C)
(D)
– High Capacity Digital
– **Digital Data Service** [1] (C)

Each type has its own characteristics, and are subdivided by one or more of the following:
– Transmission specifications
– Bandwidth
– Speed (i.e., bit rate)
– Spectrum

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

The transmission performance characteristics of each Special Access offering are stated in Section 7000 of the GTE Technical Interface Reference Manual. The Telephone Company will maintain existing transmission specifications on services installed prior to the effective date of this tariff, except that existing services with performance specifications exceeding the standards in the GTE Technical Interface Reference Manual will be maintained at the performance level specified in the manual. Where transmission performance characteristics are required other than those as stated in Section 7000 of the GTE Technical Interface Reference Manual, the Telephone Company will review, and where technically feasible, will develop rates and charges for the additional costs associated with provisioning the parameters. These rates and charges will be filed on an individual case basis in Section 5.9 and will apply in addition to all other applicable rates and charges.

The customer also has the option of ordering Voiceband and digital high capacity facilities 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 5.5. Additionally, the customer may specify supplemental features for the individual channels derived from the facility to further tailor the channel to meet specific communications requirements. Descriptions of the supplemental features available are set forth in 5.4. (C)

For example, a customer may order a DS3 from a CDL to a Telephone Company Hub for multiplexing to 28 DS1 channels. The DS1 channels may be further multiplexed at the same or a different Hub to Voiceband channels or may be extended to other CDLs. Optional features may be added to either the DS1 or the Voiceband channels.

[1] **Effective November 1, 2021 Voice Grade, Program Audio and Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N) (N)

.

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access (Cont'd)

5.2.1 **Voiceband [1]** (C)

(A) Two-Wire Voiceband Facility

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

(B) Four-Wire Voiceband Facility

These facilities are unconditioned and are capable of transmitting voice or data signals within the frequency spectrum of approximately 300 Hz to 3000 Hz. The facilities are furnished on a two-point or multipoint basis and may be terminated two-wire or four-wire at the point of termination. When terminated four-wire, they permit simultaneous independent transmission of information in both directions over a circuit. However, when terminated two-wire, simultaneous independent transmission cannot be supported. Supplemental features may be added, at applicable charges, to enhance the operational capabilities of these facilities.

[1] **Effective November 1, 2021 Voice Grade Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N) (N)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access (Cont'd)

5.2.2 (Reserved for Future Use)

5.2.3 **Program Audio** [1] (C)

These facilities are arranged and provided for the transmission of non-broadcast audio to be broadcast or which is to be used in connection with loudspeakers, wired music, closed circuit or recordings. Facilities to be used in conjunction with broadcast audio must be ordered from the appropriate interstate tariff. Audio facilities are furnished for transmission in one direction. Audio facilities may be provided on a two-point or multipoint basis.

Program audio facilities are provided on either a full-time or part-time basis. The minimum periods for full-time and part-time service are set forth in Section 3.2.4. When a part-time program audio service is provided for ten or more consecutive days, it will be treated as a full-time service and rated accordingly. In no event will the charge for continuous part-time program audio exceed the amount that would have been charged in the same time period for full-time program audio facilities.

Listed below are the types of Program Audio facilities that are offered under this tariff.

(A) 200 to 3500 Hz

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

(B) 100 to 5000 Hz

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

(C) 50 to 8000 Hz

Facilities for the provision of high fidelity music transmission.

(D) 50 to 15000 Hz

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

5.2.4 **Reserved for Future Use** (C)

. (D)

[1] **Effective November 1, 2021 Program Audio Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N) (N)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access (Cont'd)

5.2.5 **Reserved for Future Use** (C)

(D)

(D)

5.2.6 **Reserved for Future Use** (C)

(D)

5.2.7 High Capacity Digital

These facilities are two-point and are furnished between CDLs or between a CDL and a Telephone Company designated Hub Wire Center where multiplexing is offered. High Capacity facilities may be used to provide Special Access Lines as set forth in 5.1.1(C)(2). A High Capacity to Voice multiplexing arrangement, as described in Section 5.5, is required at the Hub Wire Center.

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

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

(C) **FT1 facilities**[1] are furnished for the transmission of isochronous bipolar serial data and are available at transmission rate groupings of N x 56 Kbps or N x 64 Kbps where N equals 2, 4, or 6. FT1 channels are contiguous within the network and can be used to create a wideband circuit using customer provided equipment. When N x 64 FT1 is ordered in conjunction with DS1 service for multiplexing purposes, the DS1 must have Clear Channel Capability as described in 5.8.1. FT1 Service at a rate of N x 64 Kbps will only be provided where Clear Channel Capability is available in the network. Where Clear Channel Capability is not available, N x 56 Kbps service can be provided in lieu of N x 64 Kbps. (C)

[1] **Effective November 1, 2021 Fractional DS1 Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N) (N)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.2 Description of Special Access (Cont'd)

5.2.7 High Capacity Digital (Cont'd)

(D) (Reserved for Future Use)

(E) DS3 facilities provide for the transmission of isochronous bipolar serial data at a rate of 44.736 Mbps. The Telephone Company will provide an electrical interface with the service unless otherwise specified by the customer.

(F) DS3C facilities provide for the transmission of isochronous bipolar serial data at a rate of 89.472 Mbps. The Telephone Company will provide an optical interface with this service unless the service is provided via microwave, in which case an electro-magnetic interface is provided, or unless the customer requests an electrical interface.

5.2.8 **Digital Data Service** [1] (C)

Facilities for Digital Data Service are furnished for the simultaneous two-way transmission of synchronous data and are available at transmission speeds of: 2.4 Kbps, 4.8 Kbps, 9.6 Kbps or 56 Kbps. Digital Data facilities may be provided on a two-point or multipoint basis.

5.2.9 (Reserved for Future Use)

5.2.10 (Reserved for Future Use)

[1] **Effective November 1, 2021 Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N) (N)

FACILITIES FOR INTRASTATE ACCESS

5.2.9. METRO ETHERNET SERVICE

(A) General Description

(1) Metro Ethernet Service provides connectivity solutions across a limited geography network provided by the Company utilizing Ethernet transmission parameters as the high-speed packet transport protocol. Metro Ethernet Service allows business customers to interconnect two or more geographically separated LANs (Local Area Networks) as if they were segments on the same LAN or to access other WAN (Wide Area Network) solutions.

(2) Metro Ethernet Service provides various transport capabilities that range from 3 Mbps through 1 Gbps utilizing standardized connections for 10 Mbps, 100 Mbps, and 1 Gbps. This service may be offered under a basic transport service arrangement and/or transport service arrangements that may be used to meet individual customer needs. (T)

(3) Metro Ethernet Service signals meet IEEE 802.3, 802.3u, or 802.3z transmission standards and may use 802.1Q VLAN tagging and stacking for certain service configurations. Technical interface requirements for customer premises equipment (CPE) may be found in ANSI/IEEE 802.3 Specifications. These technical documents may be ordered from:

American National Standards Institute
11 West 42nd Street
New York, New York 10036

(4) Metro Ethernet Service, as provided under the provisions of this tariff section, is offered for intraLATA use only. The regulations and rates specified herein are in addition to the applicable regulations and rates specified in other sections of this and other tariffs of the Company.

FACILITIES FOR INTRASTATE ACCESS

5.2.9. METRO ETHERNET SERVICE (Cont'd) (N)

(A) General Description (Cont'd)

(5) The rates and charges set forth for Metro Ethernet Service provide for the furnishing of service only where facilities presently exist. In locations where Metro Ethernet Service is not available, special construction charges will apply.

(6) For Metro Ethernet Service, the Due Date Change Charge and Cancellation Charges are listed in Section 5.2.9(C)(2) following.

(B) Regulations

(1) Explanation of Terms

(a) Metropolitan Ethernet Network
Metropolitan Ethernet Network is a network deployed by Company across a metropolitan geography. The network is used to provide a service where Local Area Networks (LANs) send bi-directional Ethernet traffic to other LANs within the same LATA across a metropolitan-wide network.

(b) Local Area Network (LAN) and Wide Area Network (WAN)
A LAN is a communications network spanning a limited geographical area. A LAN connects computers and other peripheral equipment for data communication purposes within a building or campus environment. A WAN may span an unlimited geographical area connecting two or more LANs as part of an enterprise network solution.

(c) Virtual Local Area Network (VLAN)
VLANs are connections that establish a logical path for customer traffic between two or more customer locations. A maximum number of VLANs may be configured based on the size of the connection. If more VLANs than the maximum are required, a technical review will need to be conducted to determine whether the request can be accommodated and additional charges may apply. The maximum number of VLANs per any 10 Mb & 100 Mb connection is 7, for a 1 Gbps connection the maximum is 63. (N)

FACILITIES FOR INTRASTATE ACCESS

5.2.9. METRO ETHERNET SERVICE (Cont'd) (N)

(B) Regulations (Cont'd)

(1) Explanation of Terms (Cont'd)

(d) Ethernet Service Connection
Ethernet service connections of 10 Mbps, 100 Mbps and 1 Gbps to Company's Metropolitan Ethernet Network are part of a Metro Ethernet Service configuration. Ethernet service connections operating at any of these speeds are capable of interconnecting with other service connections on the same Metropolitan Ethernet Network by establishing VLANs with Transport. Ethernet service connections to the Metropolitan Ethernet Network at an Ethernet node location are subject to the availability of facilities. Where sufficient facilities do not exist, customers will be required to pay special construction charges.

(e) Basic Service Transport
Basic Service Transport is a transmission service with capabilities that are affected by overall traffic on the network and is suitable primarily for data transmission. Basic Service Transport speeds range from 3 Mbps to 1 Gbps and determine the maximum transport allowed for a specific VLAN. These speeds are specified per VLAN at the time of order.

(f) This section intentionally left blank.

(g) This section intentionally left blank. (N)

FACILITIES FOR INTRASTATE ACCESS

5.2.9. METRO ETHERNET SERVICE (Cont'd) (N)

(B) Regulations (Cont'd)

(1) Explanation of Terms (Cont'd)

(h) Total Transport Speed per Connection
The Total Transport Speed is the aggregate sum of the Transport speeds for all VLANs associated with an Ethernet Service Connection. This Total Transport speed may equal but not exceed the Ethernet Service Connection Speed for the given connection.

(i) Metro Ethernet Customer Network
A Metro Ethernet Customer Network is defined as the set of interconnected Metro Ethernet Service connections assigned to the same VLAN within the Company's Metropolitan Ethernet Network. Additional VLAN connections may be assigned up to the maximum allowable per basic service connection speed in order to create multiple customer networks using the same Metro Ethernet Service facilities.

(j) Customer Premise Equipment (CPE)
Technical interface requirements for customer premises equipment (CPE) may be found in ANSI/IEEE 802.3 Specifications.

(N)

FACILITIES FOR INTRASTATE ACCESS

5.2.9. METRO ETHERNET SERVICE (Cont'd) (N)

(B) Regulations (Cont'd)

(1) Explanation of Terms (Cont'd)

(k) Service Demarcation
Metro Ethernet Service provides both optical and electrical network interfaces at the customer premises location demarcation point. As part of the service installation a Network Interface Device (NID) is installed at the customer premise. The NID provides the physical hand-off or point of connection for the customer interface. A wall-mounted RJ-45 jack may be installed as an alternate service demarcation point for electrical network interfaces. Customers will be given a single port connection per location. Additional and/or optional port connections may be provided, see Section 5.2.9(C)(2) for rates.

(l) Service Demarcation Extension
The Service Demarcation point may be extended beyond a location that the Company deems suitable. The demarcation may be extended either by the placement of the NID or by the placement of the jack. In either case, additional charges for wiring and installation will apply for the extension of a service demarcation. The specific charges will be determined following a site survey conducted by Company.

(m) Subsequent Activity Charge
This provides customers the ability to request modifications to a specific Metro Ethernet Service connection or VLAN subsequent to the establishment of the connection. Such modifications are changes to a customer's service, other than changes described elsewhere for Metro Ethernet Service that do not involve the termination of the service at the customer's premise. An example of a Subsequent Change is an upgrade or downgrade of a connection speed that does not result in a physical equipment change.

(n) Installation Delay Charge
There is no penalty directly associated with Customers' request to delay the installation date for Metro Ethernet Service as long as the request is received by Company at least 10 days prior to the original delivery date and the installation is not postponed for more than 30 days from the original delivery date. If notice is provided within 10 days of the original service delivery date, an Installation Delay Charge will apply. If the postponement is for a period greater than 30 days, Order Cancellation charges will apply. See Section 5.2.9(C)(2) for rates. (N)

FACILITIES FOR INTRASTATE ACCESS

5.2.9. METRO ETHERNET SERVICE (Cont'd) (N)

(B) Regulations (Cont'd)

(2) Basis of Offering

(a) CenturyTel Metro Ethernet Service is available 24 hours per day, 7 days per week, except for preventive maintenance.

(b) Obligations of customer and Company

(i) The Company is not responsible for the installation, operation, or maintenance of any equipment provided by the customer.

(ii) The customer is responsible for the provision and maintenance of all customer provided equipment and to insure that the operating characteristics of this equipment is comparable with and does not interfere with the service offered by the Company.

(iii) At the Service Connection point the customer's signals must conform to IEEE Standards 802.3, 802.3u or 802.3z. To meet end-to-end delay requirements contained in these aforementioned standards, the customer may be required to provide additional equipment.

(iv) The customer is responsible for the provision of space and power for the placement of any Company required equipment. The environmental conditions must be determined to be acceptable by Company.

(v) If Uninterruptible Power Supply (UPS) or back-up power is required by Customer for this service at a designated Customer location, it is the responsibility of the Customer to provide these power-supply features or purchase them from the Company in addition to the Metro Ethernet Service.

(c) Due to the nature of CenturyTel Metro Ethernet Service it will be necessary to perform preventive maintenance and software updates. This will mean that CenturyTel Metro Ethernet Service may be unavailable during the period of time when preventive maintenance is being performed. The Company will attempt to notify of identified maintenance outages.

(N)

FACILITIES FOR INTRASTATE ACCESS

5.2.9. METRO ETHERNET SERVICE (Cont'd) (N)

(B) Regulations (Cont'd)

(3) Provision of Service

(a) Rates for recurring charges contained in this Tariff consist of the following elements:
(i) Ethernet Service Connections with Transport
(ii) Additional Port Charges
(iii) Optional Port / Interface Charge for 1 GB interface with Total Transport less than 100 Mbps

(b) Rates for non-recurring charges contained in this Tariff consist of the following elements:
(i) Subsequent Activity Charge
(ii) Additional VLAN Installation Charge
iii) Service Charges for Installation Delay or Order Cancellation

(c) Customers cannot connect CenturyTel Metro Ethernet Service and customized (ICB) private / dedicated Ethernet Service arrangements on the same Metro Ethernet Customer Network. CenturyTel may, at its option, choose to combine the two.

(d) Requests by a customer to change power and signaling interface options may be treated as a disconnection of the existing service and nonrecurring charges will apply for the new arrangement.

(e) The Company may, at its discretion, limit or adjust the maximum payload size in order to implement multiple tagging where required. (N)

FACILITIES FOR INTRASTATE ACCESS

5.2.9. METRO ETHERNET SERVICE (Cont'd) (N)

(B) Regulations (Cont'd)

(3) Provision of Service (Cont'd)

(f) Temporary Suspension of Service

Customer initiated suspension of this service is not allowed.

The Company may, following five (5) days written notice, refuse to furnish, or may terminate the service and remove its equipment under the following circumstances, provided suitable notice has been given to the customer:

(i) Upon the continuance of any unpaid regulated amount due for a period of five (5) days following temporary suspension;

(ii) Upon objection to the furnishing of a service made in writing by or on behalf of any governmental law enforcement agency acting within its jurisdiction, on the grounds that such service is, or will be, used for an illegal purpose;

(iii) Upon the use of a service in such a manner that, in the opinion of the Company, constitutes abuse or fraud or may tend to injuriously affect the efficiency of the Company's plant, property, or service; or

(iv) Upon a violation of any of the regulations governing the furnishing of this service.

(4) Contract Plans

(a) The minimum service period for all CenturyTel Metro Ethernet Service tariff components is 24 (twenty-four) months. Contract plans are available with contract periods described as follows.

(i) 2 year contract - payment periods may be selected from 24 to 35 months.
(ii) 3 year contract - payment periods may be selected from 36 to 59 months.
(iii) 5 year contract - payment periods may be selected for 60 or more months. (N)

FACILITIES FOR INTRASTATE ACCESS

5.2.9. METRO ETHERNET SERVICE (Cont'd) (N)

(B) Regulations (Cont'd)

(4) Contract Plans

(b) If the customer does not elect a new contractual payment plan or does not request discontinuance of service, service will be continued at rates corresponding to the shortest available term commitment in the then current tariff in effect.

(c) The Customer must give the company adequate notice for the company to recover any of its provided equipment prior to a customer vacating a premises. A Notice of Discontinuance of Service must be provided by Customer at least 30 days in advance. If not, Customer will be billed for service for 30 days from the date of notification excluding any applicable termination liability charges.

(d) Termination Liability Charge will not be applicable for customer requests to change from an Ethernet Service Connection arrangement to a higher bandwidth Ethernet Service Connection arrangement if the length of the commitment associated with the new service is equal to or greater than the length of the commitment associated with the original service commitment and the monthly recurring rate of the new service is equal to or greater than that of the original service. The service term of the new arrangement will begin upon delivery and customer acceptance of the new arrangement.

(5) Moves

(a) A move involves a change in the physical location of one of the following:
(i) The point of interface at the customer premises.
(ii) The customer's premises. (N)

FACILITIES FOR INTRASTATE ACCESS

5.2.9. METRO ETHERNET SERVICE (Cont'd) (N)

(B) Regulations (Cont'd)

(5) Moves (Cont'd)

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

(i) Moves Within the Same Building - When the move is to a new location within the same building, the charge for the move will be an amount equal to one half the nonrecurring (i.e., installation) charge for the affected service termination at the customer's premises. There will be no change in the minimum period requirements. Charges for the extension of service demarcation and inside wiring still apply.

(ii) To a Different Building - Moves to a different building will be treated as a disconnect at the existing location and all associated nonrecurring charges will apply at the new location. The customer will remain responsible for satisfying the remainder of the existing contract. If applicable facilities are not available at the new location, Special Construction Charges may also apply.

(6) Service Credits for Outages

For Metro Ethernet Services, no credit shall be allowed for an interruption of less than 30 minutes. No credit will be allowed for the period the network is down for Company provided maintenance as provided in 5.2.9(B)(2)(c). The customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440th of the monthly charges for the facility or service for each 30 minute period that the interruption continues. (N)

FACILITIES FOR INTRASTATE ACCESS

5.2.9. METRO ETHERNET SERVICE (Cont'd) (N)

(C) Rates and Charges

(1) Ethernet Service Arrangements

(a) Application of Rates
The pricing components for Metro Ethernet Service are the Ethernet Service Connectivity & Transport charges. The rates for Ethernet Service Connectivity include Basic Service Transport.

(b) Ethernet Service Connectivity
Ethernet Service Connectivity is determined based on:
- Ethernet Connection Speed (10/100 Mbps)
- The Total Transport Speed per connection (based on the aggregate Transport bandwidth for all VLANs associated with a given Customer location), and
- The respective contract term.

Total Transport 10/100 Mb Connection with:	2 Year Contract	3 Year Contract	5 Year Contract	Install Charge
3 Mbps	$ 450.00	$ 400.00	$ 300.00	$500.00
6 Mbps	$ 585.00	$ 520.00	$ 455.00	$500.00
10 Mbps	$ 900.00	$ 800.00	$ 700.00	$500.00
20 Mbps	$1,080.00	$ 960.00	$ 840.00	$500.00
50 Mbps	$1,260.00	$1,120.00	$ 980.00	$500.00
100 Mbps	$1,800.00	$1,600.00	$1,400.00	$500.00

Total Transport 1 Gb Connection with:	2 Year Contract	3 Year Contract	5 Year Contract	Install Charge
100 Mbps	$1,980.00	$1,760.00	$1,540.00	$750.00
200 Mbps	$2,160.00	$1,920.00	$1,680.00	$750.00
500 Mbps	$2,520.00	$2,240.00	$1,960.00	$750.00
1 Gbps	ICB	ICB	ICB	ICB

(N)

Chantel Mosby
Manager, Tariffs and Compliance
Monroe, Louisiana

FACILITIES FOR INTRASTATE ACCESS

5.2.9. METRO ETHERNET SERVICE (Cont'd) (N)

(C) Rates and Charges (Cont'd)

(2) Additional Service Charges — One-Time Charge

(a) Installation Delay Charge — $100.00

(b) An Order Change Charge depends on the work completed at the time a Change Request is made prior to Customer acceptance of the service (other than a change in due date):

Order Change Charge - pre engineering	$250.00
Order Change Charge - post engineering	$350.00
Order Change Charge - after installation started	$500.00

(c) An Order Cancellation Charge will apply when the customer cancels an order prior to acceptance of the service. For Order Cancellation, an Order Change Charge based on the work completed will apply. In addition, Customer will be charged for any other costs incurred by the Telephone Company.

(d) Subsequent Change Charge — $200.00

(e) Installation of additional VLANs per Customer location when there are more than 5 VLANs per Customer location. Charge is applied per location per installation where the number of VLANs at that location is more than 5.

Additional VLAN Installation Charge	$ 30.00

(f) Additional or Optional Port Arrangements — Monthly Rate

1st 10/100 Mb Port	$ 25.00
2nd & 3rd 10/100 Mb Ports, each	$ 10.00
Each 10/100 MB Port over 3	ICB
Optional 1 GB Port / Interface	ICB

(N)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.3 Description of Terminating Options

Terminating Options provide a clearly delineated interface between Telephone Company and customer facilities at the point of termination at the CDL. Terminating Options facilitate the design, isolation, and testing of the Special Access. The description of each Terminating Option defines the most effective use of the Terminating Option. The technical parameters of each type of associated interface are set forth in Section 7000 of the GTE Technical Interface Reference Manual. Although a customer is not restricted from alternate applications, except where such application is harmful to the network, the Telephone Company cannot guarantee technical performance for other than the applications stated below. Terminating Options are nonchargeable.

5.3.1 **Reserved for Future Use** (C)

(D)

(D)

5.3.2 **Voice Grade** [1] (C)

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

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

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

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

[1] **Effective November 1, 2021 Voice Grade Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N) (N)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.3 Description of Terminating Options (Cont'd(

5.3.2 **Voice Grade** [1](Cont'd) (C)

(C) Voice Grade Data Termination

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

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

This option provides a means to terminate an effective two-wire facility or an effective four-wire facility with a two-wire customer interface on a telephone, key system, PBX, ACD, or similar equipment. This option is normally used to terminate facilities that furnish foreign central office service, the station end of PBX off premises service, or private switched service network access lines. The option provides both the transmission and loop signaling functions normally associated with these services. The option is also used to terminate facilities arranged with automatic ringdown signaling. This option provides the loop and ringdown signaling with the facility.

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

A terminating option similar to (D) preceding used to terminate effective four-wire foreign central office service. The option provides a four-wire transmission interface to the customer terminal equipment and the loop signaling function normally associated with these services. This option provides the loop and ringdown signaling with the facility.

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

Terminating options are available depending on the signaling range of the PBX (or similar system) as defined in Part 68 of the FCC Rules and Regulations. Type 1 is an option requiring range extension equipment at the CDL. Type 2 is an option with no range extension equipment at the CDL. If needed, the loop signaling range equipment for Type 1 must be specifically specified, see Section 5.4.4 following for available arrangements.

(G) Dial Repeating Tie Trunk Termination

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

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

[1] Effective November 1, 2021 Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations. (N) (N)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.3 Description of Terminating Options (Cont'd(

(C)

5.3.2 **Voice Grade** [1] (Cont'd)

(G) Dial Repeating Tie Trunk Termination (Cont'd)

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

5.3.3 **Program Audio** [1] (C)

(A) 200 to 3500 Hz

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

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

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

5.3.4 **Reserved for Future Use** (C)

(D)
|
(D)

5.3.5 **Reserved for Future Use** (C)

(D)
|
(D)

[1] **Effective November 1, 2021 Voice Grade and Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N) (N)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.3 Description of Terminating Options (Cont'd(

5.3.6 High Capacity Digital

(A) High Capacity Digital DS1

Provides a High Capacity Digital DS1 Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 1.544 Mbps.

(B) High Capacity Digital DS1C

Provides a High Capacity Digital DS1C Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 3.152 Mbps.

(C) **Fractional T1 Service** [1] (C)

Provides a DS1 Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals and is limited to groupings of N x 56 Kbps or N x 64 Kbps where N equals 2, 4, or 6.

(D) (Reserved for Future Use)

(E) High Capacity Digital DS3

Provides a High Capacity Digital DS3 Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 44.736 Mbps. The Telephone Company will provide an electrical interface with the service unless otherwise specified by the customer.

(F) High Capacity Digital DS3C

Provides a High Capacity Digital DS3C Special Access interface for use in providing simultaneous two-way transmission of isochronous bipolar serial data signals at the rate of 89.472 Mbps. The Telephone Company will provide an optical interface with this service unless the service is provided via microwave, in which case, an electromagnetic interface is provided, or unless the customer requests an electrical interface.

5.3.7 **Digital Data Service (DDS)** [1] (C)

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

[1] **Effective November 1, 2021 Digital Data and Fractional DS1 Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N) (N)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features

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

Listed below are the Supplemental Features that are offered under this tariff.

5.4.1 **Bridging** [1] (C)

Bridging is the function of connecting three or more CDLs in a multipoint arrangement. Listed below are those bridging services offered under this tariff.

(A) MultiPoint Data Bridging

This feature provides the capability to derive a multipoint data circuit from a single facility and is normally provided on Voiceband facilities provided for transmission of data signals. This function is provided on a per port basis. Polled multipoint data circuits are a typical application of this feature.

[1] **Effective November 1, 2021 Voice Grade Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N) (N)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.1 **Bridging** [1](Cont'd) (C)

(B) Voice Conference Bridging

Bridging arrangement to connect multiple Voiceband facilities in order that a voice frequency input signal from any location will be reproduced at the output of all other circuit locations. This function is provided on a per port basis.

(C) Alarm Distribution Bridging

Provides polling type bridging capabilities, band splitting filters and conversion of four-wire common terminations up to a capacity of 40 two-wire terminations. This function is offered as two tariff elements. The first element provides all shelving and common equipment for a capacity of 40 two-wire terminations. The second element provides a two-wire port. One common equipment rate element will apply to accommodate up to 40 two-wire terminations. One two-wire port charge will apply to each two-wire Special Access Line terminated in the bridge.

(D) Program Audio Bridging

An arrangement to provide multiple channel outputs from a single Program Audio or Voiceband facility. This arrangement is provided and rated on a per port basis.

(E) (Reserved for Future Use)

(F) DDS Bridging

Provides for a multi-junction unit (MJU) arrangement to bridge 2.4 kbps, 4.8 kbps, 9.6 kbps, or 56 kbps DDS facilities. Different speeds cannot be mixed on the same bridge. This function is provided on a per port basis.

[1] **Effective November 1, 2021 Voice Grade, Program Audio and Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N) (N) (N)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.2 **Conditioning Arrangements – Data** [1] (C)

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

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

Data conditioning is charged for on a per Special Access line basis. The parameters listed for each type of data conditioning apply from two or more CDLs located within the Telephone Company serving area. Conditioning parameters apply to each end of a two-point circuit. For multipoint circuits, the conditioning parameters apply from any CDL to either the point of interface at another CDL or the first Telephone Company bridging point depending on the circuit configuration. These parameters are not applicable to High Capacity or Wideband Analog points of interface, because there is no voice frequency test access point. In these instances the data conditioning parameters apply to the last telephone company voice frequency test access point before the High Capacity or Wideband Analog point of interface.

(A) Type C

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

(1) Attenuation distortion with reference to 1004 Hz.

(2) Envelope delay distortion.

(B) Type C - Improved

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

(1) Improved attenuation distortion with reference to 1004 Hz.

(2) Improved envelope delay distortion.

The customer may choose to order Improved Attenuation Distortion or Improved Envelope Delay Distortion or both configurations. The rates specified for Type C-Improved conditioning, Section 5.7.2(B), will apply regardless of the configuration specified.

[1] **Effective November 1, 2021 Voice Grade Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N) (N)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.2 **Conditioning Arrangements – Data** [1](Cont'd) (C)

(C) Type DA

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

(1) Signal to C-notched noise ratio.

(2) Nonlinear signal to second order distortion.

(3) Nonlinear signal to third order distortion.

[1] **Effective November 1, 2021 Voice Grade Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N) (N)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.3 **Conditioning - Program Audio** [1] (C)

(A) Stereo Conditioning

Provides the option of two radio program facilities which are identical in all transmission characteristics. Two Program Audio facilities are required to provide this Supplemental Feature. This feature is normally used only with Program Audio 50 to 15000 Hz facilities. Stereo Conditioning is charged on a per occurrence basis.

(B) Zero Loss

Conditioning of Program Audio facilities to provide zero loss at 1000 Hz test frequency. Zero Loss is charged on a per Special Access Line basis.

5.4.4 **Signaling Arrangements** [1] (C)

Signaling arrangements, when furnished with Voiceband transmission facilities, enable the facilities to accommodate standard telecommunications signaling protocols. Signaling arrangements provide for the conversion of one signaling method to another signaling method and/or extension of a signaling method at customer and Telephone Company interfaces and enables the transmission facilities to accommodate signaling transmission. Signaling arrangements are available with Voiceband transmission facilities to enable transmission of requested signaling formats. The third and fourth protocol characters of the Network Channel Interface (NCI) and Secondary Network Channel Interface (SEC NCI) codes as indicated on the customer's order, reflect signaling activity. Typical protocol characters contained in the NCI or SEC NCI codes that designate signaling arrangements are: AB, AC, DS, DX, DY, EA, EB, EC, EX, GO, GS, LA, LB, LC, LO, LR, LS, NO, RV and SF.

The customer identified NCI and SEC NCI codes will be considered the customer's request for signaling. The Telephone Company will endeavor to provide the specific signaling protocols requested by the customer. In those cases where facilities and equipment are not available to meet the customer's specific requests, the Telephone Company will provide the customer acceptable alternate protocols. Sections 3300, 6000 and 7000 of the GTE Technical Interface Reference Manual provide detailed technical descriptions of the signaling protocols normally available with each service offering. To properly provision SF signaling, when associated signaling code, is DS (PCM), additional information of SF requirements (loop signaling type DX/E&M or ringdown) must accompany the customer's order.

Signaling arrangement charges apply whenever interfaces at the customer premises or at the customer's Telephone Company serving wire center require a signaling arrangement other than those provided with the Terminating Options in 5.3.2 preceding. Signaling Arrangements will be charged on a per SAL basis. Specifically, a signaling charge applies if the signaling protocol characters in the NCI and the SEC NCI fields are different and include one of the following codes: RV, EX, SF, DX, DY, DS, AB.

[1] **Effective November 1, 2021 Voice Grade and Program Audio Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N) (N)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 Description of Supplemental Features (Cont'd)

5.4.4 **Signaling Arrangements** [1] (C)

For the above conditions, one additional signaling charge applies for each additional leg of multipoint circuit. When a Multiplexing Arrangement is ordered that converts a single higher capacity or bandwidth circuit into several lower Voiceband circuits, the Voiceband Signaling Arrangements are provided as part of the Multiplexing Arrangement, and no additional Signaling Arrangement charges will apply.

A signaling charge applies in addition to any other applicable signaling charge when loop range extension equipment is required. The Telephone Company will obtain customer approval for signaling range extension equipment.

Listed below are the Signaling Arrangements offered under this tariff:

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

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

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

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

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

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

5.4.5 **Echo Control** [1] (C)

(A) Echo Suppression

An arrangement provided at the customer's request to attenuate reflected speech energy on a four-wire facility. This conditioning is generally required on circuits with long propagation delay. Echo suppression is charged on a per Special Access circuit basis. Echo suppression is an obsolete service offering and is applicable only to those circuits equipped with echo suppression prior to January 1, 1987. Any service rearrangements or order activity on the circuits equipped with echo suppression may require a change to echo canceller as described in 5.4.5(B) following.

[1] **Effective November 1, 2021 Voice Grade Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N) (N)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 **Description of Supplemental Features** [1] (Cont'd) (C)

5.4.5 Echo Control (Cont'd)

(B) Echo Canceller

An arrangement provided at the customer's request to cancel reflected speech energy on a four-wire facility. This conditioning is generally required on circuits with long propagation delay. Echo canceller is charged on a per Special Access circuit basis.

5.4.6 Improved Return Loss

Improved Return Loss provides for increased echo return and singing return parameters of an effective two-wire channel. This optional feature is available with certain Voiceband services at a two-wire point of termination when the transmission interface is four-wire at one CDL and two-wire at the other CDL. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire point of termination.

Improved Return Loss rates and charges will apply on a per Special Access Line basis at the rates specified in 5.7.2(B) following. Technical parameters and the applicable Voiceband services are specified in Section 7000 of the GTE Technical Interface Reference Manual.

5.4.7 Voiceband Facility Switching Arrangement

An arrangement to provide switching between two Voiceband Special Access Services. This arrangement may require a Voiceband control circuit to control the switching arrangement at an additional charge.

5.4.8 Automatic Protection Switch

Consists of special switching equipment placed at both ends of a duplicate DS1 facility (i.e., DS1, High Capacity Circuit) for automatic switching to the duplicate (standby) facility in the event the active facility is inoperative.

Duplicate facilities may terminate at a serving wire center, a CDL or both. The option provided under this tariff only includes the APS(s) located at a serving wire center(s). When the duplicate facility terminates at a CDL, the customer will be responsible for providing the associated APS and ensuring it is compatible with the Telephone Company provided switch if appropriate.

The duplicate facilities are not a part of this supplemental feature
.

[1] **Effective November 1, 2021 Voice Grade Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N) (N)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.4 **Description of Supplemental Features** [1] (Cont'd) (C)

5.4.9 Improved Termination Option

Improved Termination provides for a fixed 600 ohm impedance, an increased range of transmission levels, and simplex reversal (when applicable) on an effective four-wire channel. This optional feature is available with most Voiceband services with a four-wire point of termination. Telephone Company equipment is required at the customer's premises where this option is ordered.

The Improved Termination option will be ordered and rates and charges, as set forth in 5.7.2(B) following, will apply on a per SAL basis. Technical parameters and the applicable Voiceband services are specified in Section 7000 of the GTE Technical Interface Reference Manual.

5.4.10 Improved Equal Level Echo Path Loss Option - ELEPL-2

This option provides improved echo control parameters for an effective two-wire channel at a four-wire point of termination. Placement of Telephone Company equipment may be required at the customer's premises with the two-wire point of termination.

The term "Equal Level Echo Path Loss" (ELEPL) represents the measure of Echo Path Loss (EPL) at a four-wire interface which is corrected by the difference between the send and receive Transmission Level Point (TLP), i.e., ELEPL = EPL - TLP (send) + TLP (receive).

Improved ELEPL rates and charges will apply on a per SAL basis at the rates set forth in 5.7.2(B) following. Technical parameters are specified in Section 7000 of the GTE Technical Interface Reference Manual.

[1] **Effective November 1, 2021 Voice Grade, Program Audio and Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N) | (N)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.5 Description of Multiplexing Arrangements (Cont'd)

Multiplexing Arrangements provide the function to convert a single higher capacity or bandwidth circuit for bulk transport to several lower capacity or bandwidth circuits. Cascading multiplexing occurs when a high capacity analog or digital channel is de-multiplexed to provide channels with a lesser capacity and one of the lesser capacity channels is further de-multiplexed. For example, a DS1C may be de-multiplexed to two DS1 facilities and then the DS1 facilities may be further de-multiplexed to 24 Voiceband channels.

When cascading multiplexing is performed in the same or different Hub Wire Center, a charge for the additional multiplexing unit will also apply. When cascading multiplexing is performed at a different Hub Wire Center, Special Transport will also apply between the involved Hub Wire Centers.

Listed below are the multiplexing arrangements offered under this tariff.

(A) Reserved (C) (D)

(B) Reserved (C) (D)

(C) Resrved (C) (D)

group band circuit to ten wideband analog supergroup band circuits.

(D) DS1 to Voice [1] (C)

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

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

FT1 can be used in conjunction with DS1 to Voice Multiplexing in groupings of N x 56 Kbps or N x 64 Kbps where N = 2, 4, or 6, to a single DS1 digital circuit at a rate of 1.544 Mbps.

[1] **Effective November 1, 2021 Voice Grade Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.** (N) (N)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.5 Description of Multiplexing Arrangements (Cont'd)

(E) DS3 to DS1

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

(F) DS3C to DS1

An arrangement that multiplexes fifty-six DS1 digital circuits to a single DS3C digital circuit at a rate of 89.472 Mbps, or multiplexes a single DS3C digital circuit at a rate of 89.472 Mbps to fifty-six DS1 digital circuits.

(G) Reserved (C) (D)

(H) **Digital Data Carrier Multiplexer** [1] (C)

An arrangement that multiplexes a single DS1 1.544 Mbps digital circuit to twenty-three DSO digital ports for connection to either a subrate data multiplexer as described in 5.5(I) following or 56 Kbps digital circuits.

(I) **Digital Data Subrate Multiplexer** [1] (C)

Used with cascading multiplexing, the Digital Data Subrate Multiplexer is an arrangement that multiplexes the following quantities of subrate digital data circuits into a single DSO digital port: 1) twenty 2.4 Kbps, 2) ten 4.8 Kbps or 3) five 9.6 Kbps. In turn, the DSO digital port is then multiplexed to a single DS1 digital circuit using the Digital Data Carrier Multiplexer described in 5.5(H) preceding.

[1] **Effective November 1, 2021 Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.**

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations

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

5.6.1 Types of Rates and Charges

There are four types of rates and charges. These are monthly rates, daily rates, time sensitive rates and nonrecurring charges. The rates and charges are described as follows:

(A) Monthly Rates

Monthly rates are recurring charges 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) Daily Rates

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

(C) Time Sensitive Rates

Hourly Rates

Hourly rates are recurring charges that apply to each 60 minute period, or fraction thereof, that a part-time Videoband Special Access Service is provided. The billing period commences when the video circuit is available for the customer's use and ceases when the customer's use is discontinued. There is a maximum monthly charge that may be assessed to any Temporary Videoband - Special Access Service. The maximum charge during any 30 day period will be that amount equal to 100 hours of use.

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges

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

(1) Special Access Ordering Charges

Special Access Ordering Charges are associated with the work performed by the Telephone Company in connection with the receiving, recording and processing of customer service requests. There are two types of service ordering charges.

(a) Initial Ordering Charge - Special Access (T)

This charge applies on a per Access Service Request (ASR) basis, including those requests to add additional termination to an existing service.

(b) Subsequent Ordering Charge - Special Access (T)

This charge applies on a per ASR basis for modifications to an existing service. This would include activities such as:

- Additions of supplemental features and multiplexing arrangements.

- Changes in the type of transport rate option from Switched Transport to Special Transport for FGA and FGB Switched Access Service as described in 4.1 preceding.

(2) Nonrecurring Charge for Service Installation

The Nonrecurring Charge for service installation is associated with the work performed by the Telephone Company in connection with the physical installation activities involving central office and/or outside plant facilities. This charge applies on a per SAL basis for the installation of service, and for additional terminations to existing service.

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges (Cont'd)

(T)

(3) Design Change Charge

The customer may request a design change to the service ordered. A design change is any change to a pending ASR for Special Access Service which requires engineering review. Design changes include such things as the addition or deletion of supplemental features or changes in the terminating options. Design changes do not include a change of IC CDL or end user premises when its serving wire center changes or Special Access service type (e.g., 2-wire to 4-wire Voiceband or Voiceband to Program Audio, etc.). Changes of this nature will require the issuance of a new ASR and the cancellation of the original ASR. The cancellation charges apply as set forth in 3.2.6.

The Telephone Company will review the requested change, notify the customer whether the change can be accommodated and specify if a new service date is required. If the customer authorizes the Telephone Company to proceed with the design change, a Design Change Charge will apply.

The Design Change Charge, in 5.7.1, will apply on a per ASR per occurrence basis, for each ASR requiring a design change.

If a change of service date is required, the Service Date Change Charge in Section 3 will also apply.

(4) Installation of Supplemental Features and Multiplexing Arrangements

Nonrecurring charges apply for the installation of certain supplemental features and multiplexing arrangements available with Special Access service. The charge applies whether the feature or multiplexing arrangement is installed coincident with the initial installation of service or at any time subsequent to the installation of service. These charges are in addition to the appropriate Special Access Ordering Charge as set forth in 5.6.1(D)(1).

(5) Installation of DS1 and FT1 Special Access Lines

(a) There are two levels of NRC and monthly charges for the installation of a DS1 SAL in 5.7.7(A). The "First System" charge is assessed per SAL for the first DS1 service ordered by a customer between CDLs or a hub wire center. When the same customer requests additional DS1 service on the same ASR, to be installed at the same time and between the same CDLs as the "First System" DS1 SAL, the lesser charge under "Additional System" will apply.

(b) (Reserved for Future Use)

(c) (Reserved for Future Use)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges (Cont'd)

(5) Installation of DS1 and FT1 Special Access Lines (Cont'd)

(d) Fractional T1 Standard Arrangements

Customers subscribing to Fractional T1 service, at rates set forth in 5.7.9(A), will be assessed a nonrecurring charge. The NRC for Fractional T1 service will be assessed per SAL.

(e) **(Reserved for Future Use)** (C)

(D)

(D)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges (Cont'd)

(6) **Reserved** (C)

(D)

(D)

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges (Cont'd)

(7) (Reserved for Future Use)

(8) Service Rearrangements

Service rearrangements are changes to existing (installed) services which may be administrative only in nature or involve an actual physical change to the service. Changes to pending orders are in 3.2.2.

Changes in the type of service will be treated as a discontinuance of the service and an installation of a new service.

Changes in the physical location of the point of termination are treated as moves which are described and charged for as in 5.6.4.

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

- Change in name or ownership or transfer of responsibility from one customer to another, provided there is no interruption of use or relocation of Special Access service.
- Change of customer or customer's end user premises address when the change of address is not a result of a physical relocation of equipment,
- Change in billing data (name, address, or contact name or telephone number),
- Change of customer circuit identification,
- Change of billing account number,
- Change of customer test line number,
- Change of customer or customer's end user contact name or telephone number,
- Change of agency authorization, and
- Change in jurisdiction involving no physical changes to the service.

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges (Cont'd)

(8) Service Rearrangements (Cont'd)

All other service rearrangements will be charged for as follows:

- If the change involves the addition of another termination to an existing two-point or multipoint service, the Initial Ordering Charge - Special Access will apply plus the Service Installation and bridging charges for each location added.

- If the change involves the addition of supplemental feature or multiplexing arrangement, the Subsequent Ordering Charge - Special Access will apply plus the installation charge associated with the supplemental feature or arrangement.

- If the change involves only changing the type of network interface, with no change in facility, the Subsequent Ordering Charge - Special Access will apply per ASR for each customer designated location requiring a network interface change. The installation charge associated with each service receiving a network interface change will also apply.

- If the change involves changing a two-wire service to a four-wire service or vice versa, the Subsequent Ordering Charge - Special Access will apply plus the Service Installation charge for each location changed.

- If the change involves only rollovers or grooming, then no charges will apply. A rollover is the retermination of a segment of a lower capacity special access service onto a higher capacity special access service. The rollover must occur in the wire center where the higher capacity service is multiplexed with no other changes to the lower capacity service being reterminated (i.e., the segment must not require rerouting to connect to the multiplexer of the higher capacity service).

  Grooming is the retermination of a lower capacity special access service from one channel in a higher capacity special access service to another channel in the same higher capacity service or to another channel in another higher capacity special access service (i.e., change in connecting facility assignment) in the same wire center, with no other changes to the lower capacity service.

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges (Cont'd)

(8) Service Rearrangements (Cont'd)

The customer requests that the voiceband circuit (VG) between CDL A and CDL 1 be "rolled over" to the DS1 serving CDL A. No NRCs apply for this request.

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges (Cont'd)

(8) Service Rearrangements (Cont'd)

The customer requests the installation of a DS1 between the serving wire center (SWC) and CDL A and a DS1/voice multiplexer in the SWC. The customer also requests that the voiceband circuits serving CDLs 1, 2,and 3 be "rolled over" to the new DS1. All NRCs apply for the installation of the DS1 and multiplexer. No NRCs apply for the voiceband roll overs to the new high capacity circuit.

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Vice President External Relations
Monroe, Louisiana

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges (Cont'd)

(8) Service Rearrangements (Cont'd)

The customer requests that the voiceband (VG) circuit serving CDL 1 be moved from the DS1 "A" circuit to the DS1 "B" circuit. No NRCs apply for this request.

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Vice President External Relations
Monroe, Louisiana

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.1 Types of Rates and Charges (Cont'd)

(D) Nonrecurring Charges (Cont'd)

(8) Service Rearrangements (Cont'd)

The customer requests that the voiceband circuit serving CDL 3 be moved from channel 20 in the DS1 serving CDL A to Channel 3 in the same DS1. No NRCs apply for this request.

- If the change involves reterminations other than Rollovers and/or Grooming, then the Subsequent Ordering Charge – Special Access will apply plus all NRCs associated with the installation of the lower capacity service.

- In cases where multiple service rearrangements or an additional termination or a move and a service rearrangement are requested on a single ASR, the total charge will never exceed the full nonrecurring charge for the basic service.

FACILITIES FOR INTRASTATE ACCESS

5. SPECIAL ACCESS (Cont'd)

5.6 Rate Regulations (Cont'd)

5.6.2 Minimum Periods

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

5.6.3 Mileage Measurement

The mileage to be used to determine the monthly rate for the Special Transport is calculated on the airline distance between the serving wire centers involved (i.e., CDL serving wire center or Hub Wire Center or WATS Serving Office). Where the calculated miles include a fraction, the value is always rounded up to the next full mile. Where the calculated value is zero, no Special Transport mileage is charged.

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

The rates for the mileage are applied per airline mile. The serving wire center V&H coordinates and the method of calculation are specified in the ECA Tariff FCC No. 4.*

5.6.4 Moves

A move involves a change in the physical location of the point of termination of Special Access. A move normally involves an interruption of Special Access for the period required to complete the move. No credit allowance will be granted for that period. Special Construction as set forth in Section 10 may also be applicable at the different CDL.

A customer may request that Special Access not be interrupted during a move. To comply with that request, it may be necessary to install a duplicate Special Access, and subsequently discontinue the existing Special Access. Charges, monthly and nonrecurring, will apply for the duplicate Special Access. A new minimum period will be established for the duplicate portion of the Special Access, depending on which end of the Special Access is moved. The customer will remain responsible for all minimum period charges associated with the corresponding portion of the disconnected Special Access.

The charge for the move depends on whether the move is within the same CDL or to a different CDL.

(A) Same CDL

When the move of a termination of FIA, as defined in Section 2.1.5, for special access is to a new point within the same CDL (same address and/or same building), the charge for the move will be the Subsequent Ordering Charge - Special Access plus one half the appropriate installation charge for the portion of the service being reterminated. There will be no change in the minimum period requirements.

* For intraLATA LEC to LEC traffic, percentages of ownership will be determined by the V&H coordinates located in the Missouri PTC Plan IntraLATA Database.