

ACCESS SERVICE  
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Title Pages 1 and 2 and Pages 1 through 20-86 inclusive of this tariff are effective as of the date shown. Original and revised pages as named below and Supplement No. 1 contains all changes from the original Tariff that are in effect on the date hereof.

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8	1st	2-21	1st	2-55	Original
9	Original	2-22	3rd	2-56	Original
10	1st	2-23	1st	2-57	Original
11	1st	2-24	1st	2-58	1st
12	1st	2-25	3rd	2-59	1st
13	1st	2-26	Original	2-60	1st
14	Original	2-27	Original	2-61	Original
15	1st	2-28	Original	2-62	Original
16	1st	2-29	1st	2-63	Original
17	4th	2-30	Original	2-64	Original
17.1	Original	2-31	Original	2-65	2nd
18	1st	2-32	1st	2-66	1st
19	1st	2-33	2nd	2-67	2nd
29	1st	2-34	2nd	2-68	Original
31	1st	2-35	1st	3-1	1st
32	3rd	2-35.1	Original	3-9	1st
33	3rd	2-35.2	Original	3-10	1st
34	1st	2-35.3	Original	3-11	1st
35	1st	2-35.4	Original	3-12	1st
38	1st	2-35.5	Original	3-21	1st
1-1	3rd	2-35.6	Original	3-23	1st
2-1	1st	2-35.7	Original	3-24	1st
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7-7	Original	7-51	2nd	7-93	1st
7-8	1st	7-52	1st	7-94	1st
7-9	1st	7-53	1st	7-95	1st
7-10	Original	7-54	1st	7-96	2nd
7-11	Original	7-55	2nd	7-97	2nd
7-12	1st	7-56	2nd	7-98	1st
7-13	1st	7-57	2nd	7-99	1st
7-14	1st	7-58	1st	7-100	1st
7-15	1st	7-59	2nd	7-101	2nd
7-16	1st	7-60	2nd	7-102	2nd
7-17	1st	7-61	2nd	7-103	2nd
7-18	1st	7-62	2nd	7-104	1st
7-19	1st	7-63	<b>2nd *</b>	7-105	1st
7-20	1st	7-64	<b>1st *</b>	7-106	2nd
7-21	1st	7-65	<b>2nd *</b>	7-107	2nd
7-22	1st	7-66	<b>1st *</b>	7-108	2nd
7-23	1st	7-67	<b>1st *</b>	7-109	2nd
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7-125	5th	7-167	1st	7-199	2nd
7-126	<b>4th</b> *	7-168	1st	7-200	2nd
7-127	<b>4th</b> *	7-169	1st	7-201	2nd
7-128	<b>4th</b> *	7-170	1st	7-202	2nd
7-129	4th	7-171	1st	7-202.1	2nd
7-130	3rd	7-172	2nd	7-202.2	2nd
7-131	3rd	7-173	2nd	7-202.3	1st
7-132	6th	7-174	3rd	7-203	1st
7-133	5th	7-175	3rd	7-204	1st
7-134	5th	7-176	2nd	7-205	1st
7-135	5th	7-177	2nd	7-206	1st
7-136	5th	7-178	3rd	7-207	1st
7-137	5th	7-179	3rd	7-208	1st
7-138	5th	7-180	1st	7-209	1st
7-139	5th	7-181	2nd	7-210	4th
7-140	5th	7-182	4th	7-211	1st
7-141	5th	7-183	2nd	7-212	1st
7-142	2nd	7-184	2nd	7-213	1st
7-143	2nd	7-184.1	1st	7-214	1st
7-144	2nd	7-184.2	1st	7-215	1st
7-145	2nd	7-185	3rd	7-216	1st
7-146	2nd	7-186	5th	7-217	3rd
7-147	2nd	7-187	1st	7-218	3rd
7-148	1st	7-188	3rd	7-219	2nd
7-149	2nd	7-189	1st	7-220	2nd
7-150	2nd	7-190	2nd	7-221	3rd
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7. Special Access Service (Cont'd)

7.1 Provision of Special Access Service

Special Access Service provides a dedicated transmission path to connect customer designated premises\*, either directly or through a Company hub where bridging or multiplexing functions are performed or to connect a customer's transmission equipment and facilities using a DS1 or DS3 Cross Connect arrangement where the customer is provided Expanded Interconnection Service (EIS) as defined in Section 17. Special Access Service may also be combined with Switched Access Services in the provision of a customer's interstate communications service (e.g., WATS, 800, 888 or WATS-type Services). Special Access Service includes all exchange access not utilizing Company central office switches.

Certain Special Access Services listed in this section of the tariff may not be currently offered in all Company locations but may be provided upon customer request, on an individual case basis, if facilities can be made available with reasonable effort. The Company will work cooperatively with the Customer to provide the service on a timely basis.

Special Access Non-Competitive End User Channel Terminations (EUCTs) purchased from the provisions of this tariff may be commingled with unbundled network elements, where available, or unbundled network element combinations, where available, purchased pursuant to the Commission's Part 51 Interconnection Rules and in compliance with the Federal Communications Commission's Report and Order and Order on Remand and Further Notice of Proposed Rulemaking in CC Docket Nos. 01-338, 96-98 and 98-147, adopted February 20, 2003 and released August 21, 2003 (FCC 03-36). Unbundled elements and commingling are not available in designated rural CenturyLink Operating Companies where a 251 (f) exemption is in effect.

7.1.1 Circuit Types

Following are the types of circuits used to provide Special Access Services:

- Voice Grade (VG) <sup>[1]</sup>
- Program Audio (AP) <sup>[1]</sup>
  
- Digital Data (DA) <sup>[1]</sup>
- High Capacity (HC)

(D)  
(D)  
(C)  
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(D)  
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These circuits can be either analog or digital. Analog circuits are differentiated by frequency spectrum and bandwidth. Digital connections are differentiated by bit rate.

\* Company Centrex CO-like switches are considered to be customer premises for purposes of this tariff.

(D)  
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<sup>[1]</sup> Effective February 1, 2020 Voice Grade, Program Audio and Digital Data Services are grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.5 Voice Grade Service <sup>[1]</sup>

(C)

7.5.1 Basic Circuit Description

A Voice Grade Non-Competitive End User Channel Termination (EUCT) is a circuit which provides voice frequency transmission capability in the nominal frequency range of 300 to 3000 Hz and may be terminated two-wire or four-wire. Effective 2-wire and 4-wire circuits are available as an Optional Feature and Function. Voice Grade circuits are provided between customer designated premises or between a customer designated premises and a Company hub.

Voice Grade Service may be ordered in conjunction with Switched Access services as set forth in Section 6.3.2 preceding to provide access for a customer's communications service (e.g., WATS, 800, 888, or WATS-type service). When the customer orders the Switched Access Interface Arrangement, Voice Grade Non-Competitive EUCTs provide voice frequency transmission capability between an end user premises and a WATS Serving Office (WSO). All applicable Special Access rates and charges apply (including Optional Features and Functions charges). Technical Specifications and Optional Features and Functions available with this arrangement are indicated under Package VG-SI in 7.5.5 following.

<sup>[1]</sup> Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)

7.5 Voice Grade Service <sup>[1]</sup> (Cont'd)

(C)

7.5.2 Technical Specifications Packages

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

The technical specifications for these parameters (except for dropouts, gain hits, and phase hits) are delineated in Technical Reference TR-NPL-000335 and associated Addendum. The technical specifications for dropouts, phase hits, and gain hits are delineated in Technical Reference PUB 41004, Table 4.

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

[1] Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.5 Voice Grade Service <sup>[1]</sup> (Cont'd)

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7.5.3 Channel Interfaces

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

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

Compatible channel interfaces are set forth in 9 following.

7.5.4 Optional Features and Functions(1) Central Office Bridging Capability

- (a) Voice Bridging (two-wire or four-wire)
- (b) Data Bridging (two-wire or four-wire)
- (c) Telephoto Bridging (two-wire and four-wire)
- (d) Dataphone Select-A-Station Bridging with sequential arrangement ports or addressable arrangement ports
- (e) Telemetry and Alarm Bridging, Split Band-Active Bridging, Passive Bridging, Summation-Active Bridging

(2) Reserved for Future Use(3) Conditioning

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

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

<sup>[1]</sup> Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.5 Voice Grade Service <sup>[1]</sup> (Cont'd)

(C)

7.5.4 Optional Features and Functions (Cont'd)(3) Conditioning (Cont'd)(a) C-Type Conditioning

C-Type Conditioning is provided for the additional control of attenuation distortion and envelope delay distortion on data services. The attenuation distortion and envelope delay distortion specifications for C-Type Conditioning are delineated in Technical Reference TR-NPL-000335.

(b) Improved C-Type Conditioning

Improved C-Type Conditioning options are provided in conjunction with C-Type Conditioning at the rates set forth in Section 7.5.5 following. The C-Type Conditioning rate shall apply only once regardless if one or both of the following Improved Options are ordered.

(i) Improved Attenuation Distortion

Improved Attenuation Distortion upgrades the frequency versus loss limits of the channel. The technical specifications for Improved Attenuation Distortion are delineated in Technical Reference TR-NPL-000335. This option is provided in conjunction with C-Type conditioning.

(ii) Improved Envelope Delay Distortion

Improved Envelope Delay Distortion upgrades the frequency versus delay response limits of the channel. The technical specifications for Improved Envelope Delay Distortion are delineated in Technical Reference TR-NPL-000335. This option is provided in conjunction with C-Type conditioning.

(c) Sealing Current

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

<sup>[1]</sup> Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.5 Voice Grade Service <sup>[1]</sup> (Cont'd)

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7.5.4 Optional Features and Functions (Cont'd)(4) Customer Specified Premises Receive Level

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

(5) Improved Return Loss

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

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

<sup>[1]</sup> Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.5 Voice Grade Service <sup>[1]</sup> (Cont'd)

(C)

7.5.4 Optional Features and Functions (Cont'd)(6) Data Capability

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

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

- Signal to C-Notched Noise Ratio is greater than or equal to 32dB Intermodulation distortion
- Signal to second order modulation products (R2) is greater than or equal to 38dB
- Signal to third order modulation products (R3) is greater than or equal to 42 dB

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

(7) Telephoto Capability

Telephoto Capability provides transmission characteristics suitable for telephotographic communications. Specifically, Telephoto Capability is provided for the control of attenuation distortion and envelope delay distortion of telephotographic services. The attenuation distortion and envelope delay distortion parameters for Telephoto Capability are:

Attenuation Distortion  
(1004Hz Reference)Envelope Delay Distortion

<u>Frequency Range (Hz)</u>	<u>Variation (dB)</u>	<u>Frequency Range (Hz)</u>	<u>Variation (mcs)</u>
500-3000	-0.5 to +1.5	1000-2600	110
300-3200	-1.0 to +2.5	800-2800	180

<sup>[1]</sup> Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)7.5 Voice Grade Service <sup>[1]</sup> (Cont'd)

(C)

7.5.4 Optional Features and Functions (Cont'd)(8) Signaling Capability

Signaling Capability provides for the ability to transmit signals from one customer premises to another customer premises on the same service.

(9) Selective Signaling Arrangement

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

(10) Transfer Arrangement

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

(11) Four-Wire/Two-Wire Conversions

The term "Effective 2-Wire" denotes a condition which permits the simultaneous transmission in both directions over a channel, but it is not possible to insure independent information transmission in both directions. Effective 2-wire channels may be terminated with 2-wire or 4-wire interfaces.

The term "Effective 4-Wire" denotes a condition which permits the simultaneous independent transmission of information in both directions over a channel. The method of implementing effective 4-wire transmission is at the discretion of the Company (physical, time domain, frequency-domain separation or echo cancellation techniques). Effective 4-wire channels may be terminated with a 2-wire interface at the customer's premises. However, when terminated 2-wire, simultaneous independent transmission cannot be supported because the two wire interface combines the transmission paths into a single path.

When a customer requests that an effective four-wire circuit be terminated with a two-wire circuit interface at the customer designated premises, a four-wire to two-wire conversion is required. The customer will be charged the 4-wire Non-Competitive End User Channel Termination (EUCT) rate when an effective four-wire is specified in the customer's order. The rate for the conversion is included as part of the basic Non-Competitive EUCT rate.

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7. Special Access Service (Cont'd)

7.5 Voice Grade Service <sup>[1]</sup> (Cont'd)

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7.5.4 Optional Features and Functions (Cont'd)

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

	Available with Technical													Sl
	C*	Package VG-												
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>		
C-Type Conditioning Central Office	X					X	X	X	X	X	X			
Bridging Capability Customer Specified Premises Receive Level	X		X			X	X			X	X	X		
Data Capability Improved Return Loss -For Effective Four-Wire Transmission	X		X	X			X	X	X					
-For Effective Two-Wire Transmission	X		X	X			X						X	
Sealing Current Conditioning	X					X								
Selective Signaling Arrangement	X		X			X	X			X	X	X		
Signaling Capability Transfer Arrangement	X	X	X	X	X	X	X	X	X	X	X	X	#	

# Signaling is provided in conjunction with Switched Access as set forth in 6.3.2(T) preceding.

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7. Special Access Service (Cont'd)

7.5 Voice Grade Service <sup>[1]</sup> (Cont'd)

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7.5.5 Rates and Charges

(A) Non-Competitive End User Channel Termination

- Per Point of Termination

<u>Jurisdiction</u>	<u>2-Wire Monthly Rate</u>	<u>2-Wire Nonrecurring Charge</u>
Alabama	\$25.58	\$200.00
Missouri	25.58	200.00

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Voice Grade Service <sup>[1]</sup> (Cont'd)

(C)

7.5.5 Rates and Charges (Cont'd)

(A) Non-Competitive End User Channel Termination (Cont'd)

- Per Point of Termination

<u>Jurisdiction</u>	<u>4-Wire Monthly Rate</u>	<u>4-Wire Nonrecurring Charge</u>
Alabama	\$32.26	\$200.00
Missouri	32.26	200.00

<sup>[1]</sup> Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)

7.5 Voice Grade Service <sup>[1]</sup> (Cont'd)

(C)

7.5.5 Rates and Charges (Cont'd)

(B) Reserved for Future Use

<sup>[1]</sup> Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.5 Voice Grade Service <sup>[1]</sup> (Cont'd)

(C)

7.5.5 Rates and Charges (Cont'd)(C) Optional Features and Functions

Rates and charges for the Optional Features and Functions of Voice Grad Service listed in this section apply to all jurisdictions of the Issuing Carriers listed on Title Page 2.

(1) Bridging

	Alabama Monthly Rate	Missouri Monthly Rate	Nonrecurring Charge
(a) <u>Voice Bridging</u>			
- Per port			
- Two-Wire	\$7.96	\$7.96	None
- Four-Wire	7.96	7.96	None
(b) <u>Data Bridging</u>			
- Per port			
- Two-Wire	\$7.96	\$7.96	None
- Four-Wire	7.96	7.96	None
(c) <u>Telephoto Bridging</u>			
- Per port			
- Two-Wire	\$7.96	\$7.96	None
- Four-Wire	7.92	7.92	None
(d) <u>DATAPHONE Select-A-Station Bridging</u>			
Sequential Arranged Ports			
- Per Circuit Connected			
- 2-Wire	21.23	21.23	None
- 4-Wire	112.80	112.80	None
Addressable Arranged Ports			
- Per Circuit Connected			
- 2-Wire	22.76	22.76	None
- 4-Wire	115.88	115.88	None

<sup>[1]</sup> Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.5 Voice Grade Service <sup>[1]</sup> (Cont'd)7.5.5 Rates and Charges (Cont'd)

	<u>Monthly Rates</u>	<u>Nonrecurring Charge</u>
(C) Optional Features and Functions (Cont'd)		
(1) Bridging (Cont'd)		
(e) <u>Telemetry and Alarm Bridging</u>		
Active Bridging Circuit Connections Per Circuit Connected		
- Split Band	\$8.04	None
- Summation	1.37	None
Passive Bridging Circuit Connections Per Circuit Connected	0.20	None
(2) Conditioning Per Point of Termination		
(a) C-Type	11.01	None
(b) Improved C-Type Conditioning Options		
- Improved Attenuation Distortion	*None	
- Improved Envelope Delay Distortion	*None	
(c) Sealing Current	None	None
(3) Improved Return Loss for Effective Four-Wire Transmission		
- Per Point of Termination		
- Two-Wire	3.71	None
- Four-Wire	3.71	None
(4) Customer Specified Receive Level		
- Per Two-Wire Point of Termination	None	None

\* Applied at the same rate as C-Type Conditioning regardless if one or both Improved C-Type options are ordered.

[1] Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations. (N)  
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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Voice Grade Service <sup>[1]</sup> (Cont'd)

(C)

7.5.5 Rates and Charges (Cont'd)

	<u>Monthly Rates</u>	<u>Nonrecurring Charge</u>
(C) Optional Features and Functions (Cont'd)		
(5) Reserved for Future Use		
(6) Data Capability - Per Point of Termination	1.98	0.00
(7) Telephoto Capability - Per Point of Termination	2.81	0.00
(8) Signaling Capability - Per Point of Termination	16.34	None

<sup>[1]</sup> Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.5 Voice Grade Service <sup>[1]</sup> (Cont'd)

(C)

7.5.5 Rates and Charges (Cont'd)

	<u>Monthly Rates</u>	<u>Nonrecurring Charge</u>
(C) Optional Features and Functions (Cont'd)		
(9) Selective Signaling Arrangement - Per Arrangement	\$32.11	None
(10) Transfer Arrangement ( Dial Up**)		
- Per Four Port Arrangement, including control circuit termination***	3.00	None
- Per Five Port Arrangement, including control circuit termination***	6.85	None

\*\* The Dial-up option requires the customer to purchase the Controller Arrangement from 8.1.2(A) following.

\*\*\* An additional Circuit Termination charge will apply whenever a spare circuit is configured as a leg to the customer's premises. Additional circuit mileage charges will apply when the transfer arrangement is not located in the customer premises serving wire center.

<sup>[1]</sup> Effective February 1, 2020 Voice Grade Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Program Audio Service <sup>[1]</sup>

(C)

7.6.1 Basic Circuit Description

A Program Audio Non-Competitive End User Channel Termination (EUCT) is measured in Hz for the transmission of a complex signal voltage. The actual bandwidth is a function of the channel interface selected by the customer. The nominal frequency bandwidths are from 50 to 15000 Hz, from 200 to 3500 Hz, from 100 to 5000 Hz or from 50 to 8000 Hz. Only one-way transmission is provided. Program Audio Non-Competitive EUCTs are provided between customer designated premises or between a customer designated premises and a Company hub.

7.6.2 Technical Specifications Packages

<u>Parameter</u>	<u>Package AP-</u>				
	<u>C*</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Actual Measured Loss	X	X	X	X	X
Amplitude Tracking	X				
Crosstalk	X	X	X	X	X
Distortion Tracking	X				
Gain/Frequency					
Distortion	X	X	X	X	X
Group Delay	X				
Noise	X	X	X	X	X
Phase Tracking	X				
Short Term Gain Stability	X				
Short Term Loss	X				
Total Distortion	X	X	X	X	X

The technical specifications are delineated in Technical Reference PUB TR-NPL-000337.

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

[1] Effective February 1, 2020 Program Audio Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

(N)  
(N)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Program Audio Service <sup>[1]</sup> (Cont'd)

(C)

7.6.3 Channel Interfaces

The following channel interfaces (CIs) define the bandwidths that are available for a Program Audio circuit:

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

Compatible channel interfaces are set forth in 9 following.

7.6.4 Optional Features and Functions

(1) Central Office Bridging Capability

Distribution Amplifier

(2) Gain Conditioning

Control of 1004 Hz AML at initiation of service to  $\text{OdB} \pm 0.5 \text{ dB}$ .

(3) Stereo

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

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

	<u>Available with Technical Specifications Package AP-</u>				
	<u>C</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Central Office Bridging Capability	X	X	X	X	X
Gain Conditioning	X	X	X	X	X
Stereo	X	X			

<sup>[1]</sup> Effective February 1, 2020 Program Audio Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

(N)  
(N)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Program Audio Service <sup>[1]</sup> (Cont'd)

(C)

7.6.5 Rates and Charges

(A) Non-Competitive End User Channel Termination

- Per Point of Termination

200-3500 Hz

<u>Jurisdiction</u>	<u>Monthly Rate</u>	<u>Daily Rate</u>	<u>Nonrecurring Charge</u>
Alabama	\$30.33	\$3.09	\$200.00
Missouri	30.33	3.09	200.00

<sup>[1]</sup> Effective February 1, 2020 Program Audio Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)

7.6 Program Audio Service <sup>[1]</sup> (Cont'd)

(C)

7.6.5 Rates and Charges (Cont'd)

(A) Non-Competitive End User Channel Termination (Cont'd)

- Per Point of Termination

100-5000 Hz

<u>Jurisdiction</u>	<u>Monthly Rate</u>	<u>Daily Rate</u>	<u>Nonrecurring Charge</u>
Alabama	\$30.20	\$3.09	\$200.00
Missouri	30.20	3.09	200.00

<sup>[1]</sup> Effective February 1, 2020 Program Audio Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)

7.6 Program Audio Service <sup>[1]</sup> (Cont'd)

(C)

7.6.5 Rates and Charges (Cont'd)

(A) Non-Competitive End User Channel Termination (Cont'd)

- Per Point of Termination

50-8000 Hz

<u>Jurisdiction</u>	<u>Monthly Rate</u>	<u>Daily Rate</u>	<u>Nonrecurring Charge</u>
Alabama	\$30.20	\$3.09	\$200.00
Missouri	30.20	3.09	200.00

[1] Effective February 1, 2020 Program Audio Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)

7.6 Program Audio Service <sup>[1]</sup> (Cont'd)

(C)

7.6.5 Rates and Charges (Cont'd)

(A) Non-Competitive End User Channel Termination (Cont'd)

- Per Point of Termination

50-15000 Hz

<u>Jurisdiction</u>	<u>Monthly Rate</u>	<u>Daily Rate</u>	<u>Nonrecurring Charge</u>
Alabama	\$30.20	\$3.09	\$200.00
Missouri	30.20	3.09	200.00

[1] Effective February 1, 2020 Program Audio Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Services (Cont'd)

7.6 Program Audio Service <sup>[1]</sup> (Cont'd)

(C)

7.6.5 Rates and Charges (Cont'd)

(B) Reserved for Future Use

<sup>[1]</sup> Effective February 1, 2020 Program Audio Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Services (Cont'd)

7.6 Program Audio Service <sup>[1]</sup> (Cont'd)

(C)

7.6.5 Rates and Charges (Cont'd)

(B) Reserved for Future Use (Cont'd)

<sup>[1]</sup> Effective February 1, 2020 Program Audio Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Services (Cont'd)

7.6 Program Audio Service <sup>[1]</sup> (Cont'd)

(C)

7.6.5 Rates and Charges (Cont'd)

(B) Reserved for Future Use (Cont'd)

<sup>[1]</sup> Effective February 1, 2020 Program Audio Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Services (Cont'd)

7.6 Program Audio Service <sup>[1]</sup> (Cont'd)

(C)

7.6.5 Rates and Charges (Cont'd)

(B) Reserved for Future Use (Cont'd)

<sup>[1]</sup> Effective February 1, 2020 Program Audio Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Services (Cont'd)

7.6 Program Audio Service <sup>[1]</sup> (Cont'd)

(C)

7.6.5 Rates and Charges (Cont'd)

(B) Reserved for Future Use (Cont'd)

<sup>[1]</sup> Effective February 1, 2020 Program Audio Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Services (Cont'd)

7.6 Program Audio Service <sup>[1]</sup> (Cont'd)

(C)

7.6.5 Rates and Charges (Cont'd)

(B) Reserved for Future Use (Cont'd)

<sup>[1]</sup> Effective February 1, 2020 Program Audio Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Services (Cont'd)

7.6 Program Audio Service <sup>[1]</sup> (Cont'd)

(C)

7.6.5 Rates and Charges (Cont'd)

(B) Reserved for Future Use (Cont'd)

<sup>[1]</sup> Effective February 1, 2020 Program Audio Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Services (Cont'd)

7.6 Program Audio Service <sup>[1]</sup> (Cont'd)

(C)

7.6.5 Rates and Charges (Cont'd)

(B) Reserved for Future Use (Cont'd)

<sup>[1]</sup> Effective February 1, 2020 Program Audio Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Services (Cont'd)

7.6 Program Audio Service <sup>[1]</sup> (Cont'd)

(C)

7.6.5 Rates And Charges (Cont'd)

(C) Optional Features and Functions

Rates and charges for the Optional Features and Functions of Program Audio Service listed in this section apply to all jurisdictions of the Issuing Carriers listed on Title Page 2.

	Monthly <u>Fixed</u>	Daily <u>Rates</u>	Nonrecurring <u>Charges</u>	
			<u>Monthly</u>	<u>Daily</u>
(1) Bridging, Distribution Amplifier				
- Per Port	\$1.00	\$.10	None	None
(2) Gain Conditioning				
- Per Service	1.00	.10	None	None
(3) Stereo				
- Per service	None	None	None	None

<sup>[1]</sup> Effective February 1, 2020 Program Audio Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)

7.10 Digital Data Service <sup>[1]</sup>

(C)

7.10.1 Basic Circuit Description

A Digital Data Non-Competitive End User Channel Termination (EUCT) is for duplex four-wire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, 19.2, 56, or 64 Kbps. The actual bit rate is a function of the channel interface selected by the customer. The circuit provides a synchronous service with timing provided by the Company through the Company's facilities to the customer in the received bit stream. Digital Data Non-Competitive EUCTs are only available via Company designated premises and are provided between customer designated premises or between a customer designated premises and a Company hub.

The customer may provide the Channel Service Unit-type equipment or other Network Channel Terminating Equipment associated with the Digital Data circuit at the customer premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

7.10.2 Technical Specifications Packages

<u>Parameter</u>	<u>Package DA</u>			
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
Error-Free Seconds	X	X	X	X

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

Voltages which are compatible with Digital Data Service are delineated in Technical Reference PUB TR-NPL-000341.

<sup>[1]</sup> Effective February 1, 2020 Digital Data Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

(N)  
(N)

## ACCESS SERVICE

7. Special Access Service (Cont'd)7.10 Digital Data Service <sup>[1]</sup> (Cont'd)

(C)

7.10.3 Channel Interfaces

The following channel interfaces (CIs) define the bit rates that are available for a Digital Data Non-Competitive End User Channel Termination (EUCT).

<u>CI</u>	<u>Bit Rate</u>
DU-24	2.4 Kbps
DU-48	4.8 Kbps
DU-96	9.6 Kbps
DU-19	19.2 Kbps
DU-565	56 Kbps
DU-64	64 Kbps

Compatible channel interfaces are set forth in 9. following.

7.10.4 Optional Features and Functions

- (1) Central Office Bridging Capability
- (2) Transfer Arrangement

An arrangement that affords the customer an additional measure of protection and/or flexibility in the use of their access circuit(s) on a 1xN basis. The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working circuit that terminates in either the same or a different customer designated premises. This arrangement is only available at a Company designated hub. A dial-up control service is required to operate the transfer arrangement. A spare circuit, if required, is not included as a part of the option.

<sup>[1]</sup> Effective February 1, 2020 Digital Data Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)

7.10 Digital Data Service <sup>[1]</sup> (Cont'd)

(C)

7.10.5 Rates and Charges

(A) Non-Competitive End User Channel Termination

- Per Point of Termination

<u>Jurisdiction</u>	<u>2.4, 4.8 &amp; 9.6 Kbps</u>		<u>19.2 Kbps</u>	
	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Alabama	\$57.26	\$194.65	\$57.26	\$194.65
Missouri	57.26	194.65	57.26	194.65

<sup>[1]</sup> Effective February 1, 2020 Digital Data Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)

7.10 Digital Data Service <sup>[1]</sup> (Cont'd)

(C)

7.10.5 Rates and Charges

(A) Non-Competitive End User Channel Termination

- Per Point of Termination

<u>Jurisdiction</u>	<u>56.0 Kbps</u>		<u>64 Kbps</u>	
	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Alabama	\$57.26	\$194.30	\$57.26	\$195.00
Missouri	57.26	194.30	57.26	195.00

<sup>[1]</sup> Effective February 1, 2020 Digital Data Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)

7.10 Digital Data Service <sup>[1]</sup> (Cont'd)

(C)

7.10.5 Rates and Charges (Cont'd)

(B) Reserved for Future Use

<sup>[1]</sup> Effective February 1, 2020 Digital Data Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

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7. Special Access Service (Cont'd)

7.10 Digital Data Service <sup>[1]</sup> (Cont'd)

(C)

7.10.5 Rates and Charges (Cont'd)

(B) Reserved for Future Use (Cont'd)

<sup>[1]</sup> Effective February 1, 2020 Digital Data Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

(N)

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7. Special Access Service (Cont'd)7.10 Digital Data Service <sup>[1]</sup> (Cont'd)

(C)

7.10.5 Rates and Charges(C) Optional Features and Functions

Monthly Rates and Nonrecurring Charges for the Optional Features and Functions of Digital Data Service listed in this section apply to all jurisdictions of the Issuing Carriers listed on Title Page 2.

	<u>Alabama Monthly Rate</u>	<u>Missouri Monthly Rate</u>	<u>Nonrecurring Charge</u>
(1) <u>Bridging</u> - Per Port	\$10.73	\$10.73	None
(2) <u>Loop Transfer</u> Arrangement (Dial-Up **) - Per Four Port Arrangement ***	\$5.96	\$5.96	None

\*\* The Dial-Up option requires the customer to purchase the Controller Arrangement from 8.12(A) following.

\*\*\* An additional Circuit Termination charge will apply whenever a spare circuit is configured as a leg to the customer's premises.

[1] Effective February 1, 2020 Digital Data Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations.

(N)  
(N)ISSUE DATE:  
January 17, 2020

Issued Under Transmittal No. 110  
Vice President-Public Policy & Compliance  
100 CenturyLink Drive  
Monroe, Louisiana 71203

EFFECTIVE DATE:  
February 1, 2020

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.11 High Capacity Service (Cont'd)

7.11.5 Rates and Charges (Cont'd)

(A) Non-Competitive End User Channel Termination - High Capacity FT1 Facilities<sup>[1]</sup> (C)

- Per Point of Termination

Standard Arrangement - 2 X 56 Kbps or 2 X 64 Kbps

<u>Jurisdiction</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Alabama	\$103.75	\$449.65
Missouri	103.75	449.65

<sup>[1]</sup> Effective February 1, 2020 Fractional T1 Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations. (C)  
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7. Special Access Service (Cont'd)

7.11 High Capacity Service (Cont'd)

7.11.5 Rates and Charges (Cont'd)

(A) Non-Competitive End User Channel Termination - High Capacity FT1 Facilities<sup>[1]</sup> (C)  
 (Cont'd)

- Per Point of Termination

Standard Arrangement - 4 X 56 Kbps or 4 X 64 Kbps

<u>Jurisdiction</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Alabama	\$114.00	\$449.65
Missouri	114.00	449.65

<sup>[1]</sup> Effective February 1, 2020 Fractional T1 Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations. (N)  
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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.11 High Capacity Service (Cont'd)

7.11.5 Rates and Charges (Cont'd)

(A) Non-Competitive End User Channel Termination - High Capacity FT1 Facilities<sup>[1]</sup> (C)  
 (Cont'd)

- Per Point of Termination

Standard Arrangement - 6 X 56 Kbps or 6 X 64 Kbps

<u>Jurisdiction</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Alabama	\$130.00	\$449.65
Missouri	130.00	449.65

<sup>[1]</sup> Effective February 1, 2020 Fractional T1 Service is grandfathered. Availability to current customers is limited to circuits in service at existing locations. (N)  
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