ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.3 Voice Grade Service (Cont'd)
 - (B) <u>Technical Specifications Packages</u> (Cont'd)

The technical specifications for these parameters (except for dropouts, gain hits, and phase hits) are delineated in Technical Reference Publication TR-NWT-000335. The technical specifications for dropouts, phase hits, and gain hits are delineated in Technical Reference Publication MDP-326-584.

(C) Channel Interfaces

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

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

Compatible channel interfaces are set forth in 7.3.5(C) following.

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.2 Service Descriptions (Cont'd)
 - 7.2.3 Voice Grade Service (Cont'd)
 - (B) Technical Specifications Packages (Cont'd)

The technical specifications for these parameters (except for dropouts, gain hits, and phase hits) are delineated in TechnicalReference *Publication TR-NWT-000335.* The technical specifications for dropouts, phase hits, and gain hits are delineated in Technical Reference *Publicat; on MDP-326-584.*

(C) ChannelInterfaces

The following channelinterfaces for Voice Grade service do not require signaling capability: AH,OA, DB, DO, DE, OS, NO, PR and TF.

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

Compatible channelinterfaces are set forth in 7.3.S(C) following.

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EFFECTIVE: February 15,2002

ISSUED: January 15, 2002 Richard D. lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101

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ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.2 <u>Service Descriptions</u> (Cont'd)

- 7.2.3 <u>Voice Grade Service</u> (Cont'd)
 - (B) Technical Specifications Packages (Cont'd)

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

(C) Channel Interfaces

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

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

Compatible channel interfaces are set forth in 7.3.5(C) following.

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ISSUED: September 17, 1992

BY: John L Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.3 Voice Grade Service (Cont'd)
 - (D) Optional Features and Functions
 - (1) <u>Central Office Bridging Capability</u>
 - (a) Voice Bridging (two-wire or four-wire)
 - (b) Data Bridging (two-wire or four-wire)
 - (c) Telephoto Bridging (two-wire or 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) <u>Reserved for Future Use</u>

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Missouri Public Service Commission

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- 7. Special Access Service (Cont'dl
 - 7.2 Service Descriptions (Cont'd)
 - 7.2.3 Voice Grade Service (Cont'd)
 - (D) Optional Features and Functions
 - (11 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 or 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

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ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.3 Voice Grade Service (Cont'd)
 - (D) 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 or 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) Central Office Multiplexing

Voice to Telegraph Grade: An arrangement that converts a Voice Grade channel to Telegraph Grade channel using frequency division multiplexing.

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ISSUED: September 17, 1992 BY: John L Roe Vice President - Administration 5454 West !lOth Street Overland Park, Kansas 66211



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ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.3 Voice Grade Service (Cont'd)
 - (D) Optional Features and Functions (Cont'd)
 - (3) <u>Conditioning</u>

Conditioning provides more specific transmission characteristics for Voice Grade services.

More stringent specifications than those provided with C-Type conditioning are available separately for attenuation distortion and envelope delay distortion. The customer has the option of ordering Improved Attenuation Distortion and/or Improved Envelope Delay Distortion in lieu of C-Type conditioning.

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.

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CANCELLED November 1, 2021 Missouri Public Service Commission JI-2022-0069 Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: April 30, 2007



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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.2 Service Desc iEtions (Cont'd)

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7.2.3 Voice Grade Service (Cont'dl

(D) Optional Features and functions (Cont'd)

(3) Conditioning

Conditioning provides more specific transmission characteristics for Voice Grade services.

More strigent specifications than those provided with C-Type conditioning are available separately for attenuation distortion and envelope delay distortion. The customer has the option of ordering Improved Attenuation Distortion and/or Improved Envelope Delay Distortion in lieu of C-Type conditioning.

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.

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Richad D. Lawson September 10, 1999 State Executive, External Affairs

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7.2 <u>Service Descriptions</u> (Cont'd)

- 7.2.3 <u>Voice Grade Service</u> (Cont'd)
 - (D) Optional Features and Functions (Cont'd)
 - (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.

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ISSUED: September 17, 1992 BY: John L Roe Vice President - Administration 5454 West llOth Street Overland Park, Kansas 66211

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7. <u>Special Access Service</u> (Cont'd)

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ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.3 Voice Grade Service (Cont'd)
 - (D) Optional Features and Functions (Cont'd)
 - (3) <u>Conditioning</u> (Cont'd)
 - (a) <u>C-Type Conditioning</u>

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

> Attenuation Distortion (Frequency Response) Relative to 1004 Hz

Frequency <u>Range (Hz)</u>	Variation (db)
400-2800	-1.0 to +2.0
200 2000	1 0 to 1 2 0

300-3000	-1.0 to +3.0
3000-3200	-2.0 to +6.0

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

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CANCELLED November 1, 2021 Missouri Public Service Commission JI-2022-0069 Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211



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ACCESS SERVICE

- 7. <u>Special Access Service</u> (Cont'd)
 - 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.3 Voice Grade Service (Coot'd)
 - (D) Optional Features and Functions (Cont'd)
 - (3) <u>Conditioning</u> (Cont'd)
 - (a) <u>C-Type Conditioning</u>

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:

	Distortion Response) o 1004 Hz
Frequency Range (H:t)	Variation {db)
400-2800 300-3000 3000-3200	-1.0 to +2.0 -1.0 to +3.0 -2.0 to +6.0
	ope Delay tortion
Frequency Range (Hz)	Variation (micro- seconds)
1000-2600 800-2600 600-2600 500-2800 500-3000	100 200 300 600

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ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.3 Voice Grade Service (Cont'd)
 - (D) Optional Features and Functions (Cont'd)
 - (3) <u>Conditioning</u> (Cont'd)
 - (b) <u>Reserved for Future Use</u>
 - (c) <u>Sealing Current Conditioning</u>

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

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CANCELLED November 1, 2021 Missouri Public Service Commission JI-2022-0069 Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211



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ACCESS SERVICE

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- 7. Special Access Service (Cont'd)
 - 7.2 Service Descriptions (Cont'd)
 - 7.2.3 Voice Grade Service (Cont'd)
 - {D) <u>Optional Features and Functions</u> (Cont'd)
 - (3) Conditioning (Cont'd)
 - (b) Reserved For Future Use
 - (c) Sealing Current Conditioning

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

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ISSUED: September 17, 1992 BY: John L Roe Vice President - Administration 5454 West llOth Street Overland Park, Kansas 66211 UCM 11.32

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7. <u>Special Access Service</u> (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.3 Voice Grade Service (Cont'd)
 - (D) <u>Optional Features and Functions</u> (Cont'd)
 - (4) <u>Customer Specified Premises Receive Level</u>

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 Publication TR-NWT-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 Publication TR-NWT-000335.
 - (b) On Effective Two-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 Publication TR-NWT-000335.

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ACCESS SERVICE

- 7. <u>SpecialAccess Service</u> (Cont'd)
 - 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.3 Voice Grade Service (Cont'd)
 - (D) 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 fourwire transmission. The ranges are delineated in Technical Reference *Publication TR*·*NWT-000335*.

- (5) Improved Return **Io**ss
 - (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 *Publication TR-NWT-000335*.
 - (b) On Effective Two-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 Tellephone 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 *Publication TR-NWT-000335*.

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EFFECTIVE: February 15, 2002

ISSUED: January 15,2002 Richard D. lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101

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7. <u>Special Access Service</u> (Cont'd)

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- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.3 Voice Grade Service (Cont'd)
 - (D) Optional Features and Functions (Cont'd)
 - (4) <u>Customer Specified Premises Receive Level</u>

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 Two-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.

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ISSUED: September 17, 1992 BY: John L Roe Viæ President – Administration 5454 West llOth Street Overland Park, Kansas 66211 •tdiS&EI £JiP!h2

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.3 Voice Grade Service (Cont'd)
 - (D) 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 inter-modulation distortion parameters for Data Capability are:

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

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

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ACCESS SERVICE

- 7. <u>Special Access Service</u> (Cont'd)
 - 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.3 Voice Grade Service (Cont'd)
 - (D) Optional Features and Functions (Cont'd)
 - (6) <u>Data Capability</u>

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 intennodulation distortion parameters for Data Capability are:

Signal to C-Notched Noise Ratio is equal to or greater than 32dB

Intermodulation distortion:

Signal to second order modulation products (R2) is equal to or greater than 38dB

Signal to third order modulation products (R3) is equal to or greater than 42dB

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

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ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.3 Voice Grade Service (Cont'd)
 - (D) Optional Features and Functions (Cont'd)
 - (7) <u>Telephoto Capability</u>

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

Attenuation Distortion (1004 Hz Reference)						
Frequency	Variation					
<u>Range (Hz)</u>	(dB)					
500-3000	-0.5 to +1.5					
300-3200	-1.0 to +2.5					
Envelope Delay Distortion						
Frequency	Variation					
<u>Range (Hz)</u>	(mcs)					
1000-2600	110					
800-2800	180					

(8) <u>Signaling Capability</u>

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

(9) <u>Reserved for Future Use</u>

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.3 Voice Grade Service (Cont'd)

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- (D) Optional Features and Functions (Cont'd)
 - (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 on telephotographic services. The attenuation distortion and envelope delay distortion parameters for Telephoto Capability are:

> Attenuation Distortion (1004 Hz Reference)

Frequency	Variation
Range (Hz)	(dB}

500-3000	-0.5 to +1 .S
300-3200	-1.0 to +2.5

Envelope Delay Distortion

Frequency	Variation
<u>Range {Hz</u>)	(mcs)
1000-2600	110
800-2800	180

(8) Signaling Capability

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

(9) Reserved For Future Use

Richard D. Lawson

State Executive, External Affairs

319 Madison Jefferson City, MO 65 01

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EFFECTIVE: February 26, 2001

ISSUED: January 26, 2001

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ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.3 Voice Grade Service (Cont'd)
 - (D) Optional Features and Functions (Cont'd)
 - (7) <u>Telephoto Capability</u>

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

Attenuation Distortion (1004 Hz Reference) Frequency Variation Range CHzl CdBl 500-3000 -0.5 to +1.5 300-3200 -1.0 to +2.5 Envelope Delay Distortion Frequency Variation Range (Hzl (mcsl 1000-2600 110 U 1 800-2800 180

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(8) <u>Signaling Capability</u>

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

(9) <u>Selective Signaling Arrangement</u>

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

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BY: John L Roe Vice President - Administration 5454 West 110th Street

Overland Park, Kansas 66211

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	7.2	Service Descriptions (Cont'd)	RfCTI	ľi.	9 igge
		I.2.3 Voice Grade Service (Cant'd)			.00.
		(D) Optional features and Functions	(Cont'd)		
		(10) Reserved 20r Future Use			(C)
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- 7. <u>Special Access Service</u> (Cont'd)
 - 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.3 Voice Grade Service (Cont'd)
 - (D) Optional Features and Functions (Cont'd)
 - (10) Transfer Arrangement

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

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ISSUED: September 17, 1992

BY: John L Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.3 Voice Grade Service (Cont'd)
 - (D) 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 Specifications Package VG-											
	<u>C</u>	<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 Bridging	Х					Х	Х	Х	Х	Х	Х		
Capability Central Office	Х		Х			Х	Х				Х	Х	Х
Multiplexing Customer Specified Premises Receive	Х						Х						
	Х		Х	Х			V	Х	Х	Х	V		
Data Capability Improved Return Loss: For Effective Four-Wire	Х						Х	Х			Х		
Transmission For Effective Two-Wire	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
Transmission Sealing Current		Х		Х	Х				Х				
Conditioning Signaling	Х						Х						
Capability Telephoto	Х	Х	Х	Х				Х	Х	Х			
Capability	Х											Х	

ISSUED: March 30, 2007

CANCELLED November 1, 2021 Missouri Public Service Commission JI-2022-0069 Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211



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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.3 Voice Grade Service (Cont'd)

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(0) 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 Technicat Specifications Package VG-	
	$\frac{1}{2} \frac{2}{3} \frac{4}{4} \frac{5}{5} \frac{6}{6} \frac{7}{7} \frac{8}{8} 9 10 \frac{11}{11} \frac{12}{12}$	
C-Type Conditioning Central Office Bridging	X X X X X X	
Capability	X X X X X X X	
Central Office Multiplexing Customer Specified Prt>mises Receive	X X	
Level	X X X X X X	
Data Capability Improved Return Loss: For Effective Four-Wire	X X X X	
Transmission For Effective Two-Wire	$\times \times $	
Transmission	X X X X	
Sealing Current Conditioning	X X	
		(D) (D)
Signaling Capability	X X X X X X X X	
Telephoto Capability	2 ΓΩ //	
Capability	x FILED ^x	
	r:t-B 2 ₂ ,1,11	
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ISSUED: January 26, 2001 Richard D. Lawson Slate Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: February 26, 2001

CanceUed April 30, 2007

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7. Special Access Service (Cont'd)

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- 7.2 Service Descriptions (Cont'dl
 - 7.2.3 <u>Voice Grade Service</u> (Cont'd)

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

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

										chni kaq	.cal e VG		
	С	1	2	3			6			9		11	12
C-Type Conditioning Central Office Bridging	х					Х	х	х	Х	Х	Х		
Capability	Х		Х			Х	Х				Х	Х	Х
Central Office Multiplexing Customer Specified Premises Receive	х						х						
Level Data Capability Improved Return Loss: For Effective Four-Wire	X X		Х	Х			Х	X X	х	Х	х		
Transmission For Effective Two-Wire	Х	Х	х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х
Transmission		Х		Х	Х				Х				
Sealing Current Conditioning Selective Signaling	Х						Х						
Arrangement Signaling	Х		Х										
Capability Telephoto	Х	Х	Х	Х				Х	Х	Х			
Capability	Х											Х	

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7. <u>Special Access Service</u> (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.3 <u>Voice Grade Service</u> (Cont'd)
 - (D) 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 Specifications Package VG-											
	<u>C</u>	1									<u>10</u>	<u>11</u>	12
C-Type Conditioning Central Office Bridging	Х					×	×	×	×	×	Х		
Capability Central Office	Х		Х			Х	Х				Х	Х	Х
Multiplexing Customer Specified Premises Receive	Х						Х						
Level Data Capability Improved Return Loss: For Effective Four-Wire	X X		х	Х			х	X X	х	х	х		
Transmission For Effective	>	<>	<×	\sim	\mathbf{X}	×	×	×		\times	Х	Х	Х
Two-Wire Transmission Sealing Current		х		Х	х				х		CA	NC	t:llED
Conditioning Selective Signaling	Х						х						5 1999
Arrangement Signaling Capability	X X	Х	X X	x				X		By ubli X	c Se	rvice	S3f.010 . Commtsston
Telephoto Capability Transfer Arrangement	x >	<>	<>	< >	\sim	\sim	×	\times	×	\times	х	X X	
													- I ♥
												1: v	7 (392

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BY: John L Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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7. <u>Special Access Service</u> (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.3 Voice Grade Service (Cont'd)
 - (E) <u>Four-Wire/Two-Wire Conversions</u>

(Z)

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

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ACCESS SERVICE

7. <u>Special Access Service</u> (Confd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.3 Voice Grade Service (Cont'd)
 - E. Four-Wire/Two-Wire Conversions

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

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Richard D.lawson State Executive, External Affairs 319 Madison Jefferson City,MO 65101

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ACCESS SERVICE

7. Special Access Service (Cont'd)

- 7.2 Service Descriptions (Conl'd)
 - 7.2.3 Voice Grade Service (Conl'd)
 - E. <u>Four-Wire/Two-Wire Conversions</u>

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

- 7.2.4 Program Audio Service
 - (A) Basic Channel Description

A Program Audio channel is a channel measured in Hertz for the transmission of a complex signal voltage. The actual bandwidth is a function of the channel interface selected by the customer. Only one-way transmission is provided. Program Audio channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

(B) <u>Technical Specifications Packages</u>

		Package AP-				
Parameter		1	Z	}	1	
Actual Measured Loss	Х	Х	Х	Х	Х	
Amplitude Tracking	Х					
Crosstalk	Х	Х	Х	Х	Х	
Distortion Tracking	Х					
Gain/Frequency Distortion	Х	Х	Х	Х	Х	
Group Delay	Х					
Noise	Х	Х	Х	Х	Х	
Phase Tracking	Х					
Short-Term Gain Stability	Х					
Short-Term Loss	Х					
Total Distortion	Х	Х	Х	Х	Х	

The technical specifications are delineated in Technical Reference *Publication GR*-337.

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

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ACCESS SERVICE

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- 7. <u>Special Access Service</u> (Cont'd)
 - 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.3 <u>Voice Grade Service</u> (Cont'd)
 - E. Four-Wire/Two-Wire Conversions

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

7.2.4 Program Audio Service

(A) <u>Basic Channel Description</u>

A Program Audio channel is a channel measured in Hertz for the transmission of a complex signal voltage. The actual bandwidth is a function of the channel interface selected by the customer. Only one-way transmission is provided. Program Audio channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

(B) <u>Technical</u> Specifications Packages

Specifications Pac	rayes						
			Packa	<u>aqe</u> AP-	-		
<u>Parameter</u>	£!	Ι.	1.	1.	!!		u
				**			10
Actual Measured Loss	Х	Х	Х	Х	Х	С	
Amplitude Tracking	Х					1.11	
Crosstalk	Х	Х	Х	Х	Х		
Distortion Tracking	Х					LJJ	్లె చిం
Gain/Frequency Distortion	Х	Х	Х	Х	Х	<u>(.)</u>	~~ ©S
Group Delay	Х					2:	Ω <i>₹, `</i> %Ω
Noise	Х	Х	Х	Х	Х	\leq	u č≊
Phase Tracking	Х					U	ŝ
Short-Term Gain Stability	Х						
Short-Term Loss	Х						L L L
Total Distortion	Х	Х	Х	Х	Х		Ω_

The technical specifications are delineated in Technical Reference $\ensuremath{\mathtt{TR-NPL-000337}}$.

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

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ACCESS SERVICE

- 7. Specia Access Service (Cont'd)
 - 7.2 Service Descriptions (Cont'd)
 - 7.2.4 Reserved for Future Use

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ISSUED: July 2,2002

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ACCESS SERVICE

<u>Special Access Service</u> (Cont'd)

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- 7.2 Service Descriptions (Cont'd)
 - 7.2.4 Program Audio Service (Cont'd)
 - (C) Channel Interfaces

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

Bandwidth

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

Compatible channel interfaces are set forth in 7.3.5(D) following.

- Optional Features and Functions (D)
 - Central Office Bridging Capability (1)

Distribution Amplifier

(2) <u>Gain Conditioning</u>

Control of 1004 Hz AML at initiation of service to OdB ± 0.5dB.

(3) Stereo

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

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- 7. Special Access Service (Cont'd)
 - 7.2 Service Descriptions (Cont'd)
 - 7.2.4 Reserved for Future Use

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.2 Service Descriptions (Cont'd)
 - 7.2.4 Program Audio Service {Cont'd)
 - (D) 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			
	Specifications			Package	AP-		
	e 1 2			3	4		
Central Office Bridging Capability Gain Conditioning Stereo	X X X	X X	x x	X X	X X X		

7.2.5 Video Service

(A) Basic Channel Description

A Video channel is a channel with one-way transmission capability for a standard 525 line/60 field monochrome, or National Television Systems Committee color, video signal and up to four associated 5 or 15 kHz audio signal(s). The associated audio signal(s) may be either diplexed or provided as one or two separate channels. The bandwidth for a video channel is either 30 "z to 4.5 MHz or 30Hz to 6.6 MHz. The provision and the bandwidth of the associated audio signal(s) is a function of the channel interface selected by tile customer. Video channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

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ISSUED: May 3, 2000 Richard D. Lawson State Executive, External Affairs EFFECTIVE: June 2, 2000 (C)

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ISSUED:

September 17, 1992

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.2 Service Descriptions (Cont'd)

- 7.2.4 Program Audio Service (Cont'd)
 - (D) Optional Features and Functions (Cont'd)

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

					nnical age AP-
	e	1	2	3	4
Central Office Bridging					
Capability	Х	Х	Х	Х	Х
Gain Conditioning	Х	Х	Х	Х	Х
Stereo	Х				Х

7.2.5 Video Service

(A) <u>Basic Channel Description</u>

A Video channel is a channel with one-way transmission capability for a standard 525 line/60 field monochrome, or National Television Systems Committee color, video signal and one or two associated 5 or 15kHz audio signal(s). The associated audio signal(s) may be either diplexed or provided as one or two separate channels. The bandwidth for a video channel is either 30 Hz to 4.5 MHz or 30 Hz to 6.6 MHz. The provision and the bandwidth of the associated audio signal(s) is a function of the channel interface selected by the customer. Video channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

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BY: John L Roe

Vice President - Administration 5454 West 110th Street

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7. <u>SpecialAccess Service</u> (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.5 Reserved for Future Use

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BY: John L Roe

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7。 Special Access Service (Cont'd)

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7.2.5 <u>Video Service</u> (Cont'd)

Service Descriptions (Cont'd)

(B) <u>Technical Specifications Packages</u>

	Pack	age TV	7-
Parameter	C*	<u>1</u>	<u>2</u>
Amplitude vs. Frequency Response Chrominance/Luminance Inequalities	Х		
Gain	Х	Х	Х
Delay	Х	Х	Х
Chrominance/Luminance Intermodulation	Х		
Chrominance Nonlinear Gain	Х		
Chrominance Nonlinear Phase	Х		
Crosstalk	Х		Х
Differential Gain	Х	Х	Х
Differential Phase	Х	Х	Х
Dynamic Gain (picture and			
sync signal)	Х		
Field-Time Distortion	Х	Х	Х
Gain/Frequency Distortion	Х	Х	Х
Gain Stability	Х	Х	Х
Insertion Gain	Х	Х	Х
Line-Time Distortion	Х	Х	Х
Long-Time Distortion	Х	Х	Х

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

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September 17, 1992 Vice President - Administration '' fad berger 5454 West 110th Street Overland Park, Kansas 66211

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- 7. Special Access Service (Cont'd)
 - 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.5 Reserved for Future Use

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ACCESS SERVICE

7. Special Access Service (Cont'd)

- 7.2 Service Descriptions (Cont'd)
 - 7.2.5 <u>Video Service</u> (Cont'd)
 - (B) <u>Technical Specifications Packages</u> (Cont'd)

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	P	ackage	TV-
Parameter	<u>C</u> *	<u>1</u>	<u>2</u>
Luminance Nonlinearity Luminance Signai/CCIR	Х		
Weighted Noise Short-Time Distortion	Х	Х	Х
2 T Pulse	Х	Х	Х
T - Bar Ringing	Х	Х	Х
Signal/15 kHz Flat			
Weighted Noise	Х	Х	Х
Signal/Low Frequency			
Noise	Х		
Stereo Gain Difference	Х	Х	
Stereo Phase Difference	Х	Х	
Total Harmonic Distortion	Х	Х	Х
Transient Sync Signal			
Non-Linearity	Х		
Video/Audio Delay			
Difference	Х		

The technical specifications are delineated in Technical Reference *Publication* (T) *GR-338.* (T)

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



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<u>Special Access Service</u> (Cont'd) 7.2 Service Descriptions (Cont'd)

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7.2.5 <u>Video Service</u> (Cont'd)

(B) <u>Technical Specifications Packages</u> (Cont'd)

	Pack	age TV	V-
Parameter	£*	.!	£
Luminance Nonlinearity Luminance Signal/CCIR	Х		
Weighted Noise Short-Time Distortion	Х	Х	Х
2 T Pulse	Х	х	х
T - Bar Ringing	Х	Х	Х
Signal/15 kHz Flat Weighted Noise Signal/Low Frequency	х	х	х
Noise	Х		
Stereo Gain Difference	Х	Х	
Stereo Phase Difference	Х	Х	
Total Harmonic Distortion Transient Sync Signal	Х	Х	Х
Non-Linearity Video/Audio Delay	Х		
Difference	Х		

The technical specifications are delineated in Technical Reference TR-NPL-000338.

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

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ISSUED: September 17, 1992 BY: John L Roe Vice President - Administration 5454 West llOth Street Overland Park, Kansas 66211 :<u>-</u>'... LJV ,, **';**'92

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7. <u>Soecial Access Service</u> (Cont'd)

- 7.2 <u>Service Descriptions</u>{Cont'd}
 - 7.2.5 Reserved for Future Use

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7.2.6 <u>Reserved for Future Use</u>

7.2.7 Reserved for Future Use

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7.2 <u>Service Descriptions</u> (Cont'd)

Special Access Service (Cont'd)

- 7.2.5 <u>Video Service</u> (Cont'd)
 - (C) <u>Channel Interfaces</u>

The following channel interfaces (Cis) define the bandwidth and the provision of the audio signal(s) associated with a Video channel:

CI	Audio Bandwidth	Provision
2TV6-1 2TV6-2	15 kHz 15 kHz	1 Channel, diplexed 2 Channels, diplexed
2TV7-1	15 kHz	1 Channel, diplexed
2TV7-2 4TV6-5	15 kHz 5 kHz	2 Channels, diplexed 1 Channel, separate
4TV6-15	15 kHz	1 Channel, separate
4TV7-5 4TV7-15	5 kHz 15 kHz	1 Channel, separate 1 Channel, separate
6TV6-5	5 kHz	2 Channels, separate
6TV6-15	15 kHz kHz	2 Channels, separate 2 Channels, separate
6TV7-5 6TV7-15	5 15 kHz	, 1
6TV7-15	15 kHz	2 Channels, separate

Compatible channel interfaces are set forth in 7.3.5(E) following.

7.2.6 <u>Reserved for Future Use</u>

7.2.7 Reserved for Future Use

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ISSUED: September 17, 1992 BY: John L Roe Vice President - Administration 5454 West llOth Street Overland Park, Kansas 66211 Embarq Missouri, Inc. d/b/a Embarq

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7. <u>Special Access Service</u> (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.8 Digital Data Service
 - (A) Basic Channel Description

A Digital Data channel is a channel 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 channel provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. Digital Data channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub where appropriate digital facilities are available as determined by the Telephone Company.

A Digital Service Unit/Channel Service Unit (DSU/CSU) or appropriate digital terminating equipment provided by the customer is required at the customer's premise to provide the proper interface between the Telephone Company network and the customer's equipment. The interim program for interconnection of such equipment is set forth in Technical Reference Publication PUB AS No. 1.

(B) <u>Technical Specifications Packages</u>

		Packa	ge DA-	
Parameter Error-Free Seconds	$\frac{1}{X}$	<u>2</u> X	3 X	$\frac{4}{X}$

The Telephone Company will provide a channel capable of meeting a monthly average performance equal to or greater than 99.875% errorfree seconds while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference Publication MDP-326-726.

ISSUED: March 30, 2007

CANCELLED November 1, 2021 Missouri Public Service Commission JI-2022-0069 Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: April 30, 2007



SPRINT MISSOURI, INC. d/b/a SPRINT

ACCESS SERVICE

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- 7. <u>Soecial Access Service</u> {Cont'd)
 - 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.8 Digital Data Service
 - (A) Basic Channel Description

A Digital Data channel is a channel 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 channel provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. Digital Data channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub where appropriate digital facilities are available as determined by the Telephone Company.

A Digital Service Unit/Channel Service Unit (OSU/CSU) or appropriate digital terminating equipment provided by the customer is required at the customer's premise to provide the proper interface between the Telephone Company network and the customer's equipment. The interim program for interconnection of such equipment is set forth in Technical Reference *Publication* PUB AS No. 1.

(B) <u>Technical Specifications Packages</u>

		Package	DA-	
Parameter	1	•		4
Error-Free Seconds	Х	Х	Х	Х

The Telephone Company will provide a channel capable of meeting a monthly average performance equal to *or* greater than 99.875% error-free seconds while the channel is in service, if it is measured through a CSU equivalent which is designed, manufactured, and maintained to conform with \he specifications contained in Technical Reference *Publication MDP-326-726*.

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Missouri Public

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Service Commission

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April 30, 2007 1\1 s.our iPublic Serrice Commission ISSUED: January 15,2002 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City,MO 65101 EFFECTIVE: February 15, 2002

SPRINT MISSOURI, INC. d/b/a SPRINT

Second Revised Page 317 Cancels First Revised Page 317

ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.2 Service Descriptions (Cont'd)
 - 7.2.8 Digital Data Service
 - (A) Basic Channel Description

A Digital Data channel is a channel for duplex four-(T) 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 channel provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. Digital Data channels are provided (T) between customer designated premises or between a cus.tomer designated premises and a Telephone Company Hub where appropriate digital facilities are available as determined by the Telephone Company.

A Digital Service Unit/Channel Service Unit (DSU/CSU) or appropriate digital terminating equipment provided by the customer is required at the customer's premise to provide the proper interface between the Telephone Company network and the customer's equipment. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

(B) Technical Specifications Packages

			E-ac	kage DA	
Parameter		1	2	3	4
Error-Free	Seconds	Х	Х	Х	Х

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

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Richard D. Lawson September 10, 1999 State Executive, External Affairs

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ACCESS SERVICE

7. Special Access Service (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.5.8 United njgjJ.jnk..§l!l Sendee
 - (A) Basic Channel Description

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A United DigiLink-"" channel is a channel 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 (C) ctual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. flt: lssion United DigiLink-"" channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub where appropriate digital facilities are available as determined by the Telephone Company.

> A Digital Service Unit/Channel Service Unit (DSU/CSU) or appropriate digital terminating equipment provided by the customer is required at the customer's premise to provide the proper interface between the Telephone Company network and the customer's equipment. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

(B) Technical Specifications Packages

Parameter Error-Free Seconds

Package DA-1. / .!!. х Х Х Χ

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

smRegistered service mark of United Telecommunications, Inc.

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ISSUED: December 7, 1995 BY: John L. Roe Vice President - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211

UNITED TELEPHONE COMPANY OF MISSOURI

ACCESS SERVICE

- 7. <u>Special Access Service</u> (Cont'd)
 - 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.8 Untited DigiLink Service
 - (A) Basic Channel Description

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A United DigiLink• channel is a channel for duplex fourwire transmission of synchronous serial data at the rate of 2.4, 4.8, 9.6, 19.2 or 56 kbps. The actual bit rate is a function of the channel interface selected by the customer. The channel provides a synchronous service with timing provided by the Telephone Company through the Telephone Company's facilities to the customer in the received bit stream. United DigiLink•channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub where appropriate digital facilities are available as determined by the Telephone Company.

A Digital Service Unit/Channel Service Unit (DSU/CSU) or appropriate digital terminating equipment provided by the customer is required at the customer's premise to provide the proper interface between the Telephone Company network and the customer's equipment. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

(B) Technical Specifications Packages

	Pac	kage I	DA-	
Parameter	1.	1.	.1	
Error-Free Seconds	Х	Х	Х	

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

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ISSUED: September 17, 1992 BY: John L RocMISSOURI BY: John L RocMISSOURI Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

Embarq Missouri, Inc. d/b/a Embarq

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 Service Descriptions (Cont'd)
 - 7.2.8 Digital Data Service (Cont'd)
 - (C) <u>Channel Interfaces</u>

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

CI	Bit Rate
DU-24	2.4 Kbps
DU-48	4.8 Kbps
DU-96	9.6 Kbps
DU-19	19.2 Kbps
DU-56	56.0 Kbps
DU-64	64.0 Kbps

Compatible channel interfaces are set forth in 7.3.5(H) following.

- (D) Optional Features and Functions
 - (1) <u>Central Office Bridging Capability</u>

Provides for the parallel connection of one virtual circuit to another virtual circuit without interrupting the integrity or continuity of the first. This service is only available from a company-designated digital hub.

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SPRINT MISSOURI, INC. d/b/a SPRINT

Fourth Revised Page 318 Cancels Third Revised Page 318

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

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- 7.2 Service Descriptions (Cont'd)
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- (D) | (D)

(C) Channel Interfaces

Digital Data Servic Cont'd)

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

g	Bit Rate	
DU-24	2.4 Kbps	
DU-48	4.8 Kbps	
DU-96	9.6 Kbps	
DU-19	19.2 Kbps	(Z)
DU-56	56.0 Kbps	
DU-64	64.0 Kbps	

Compatible channel interfaces are set forth in 7.3.5(H) following.

(D) Optional Features and Functions

(1) <u>CentralOffice Bridging Capability</u>

Provides for the parallel connection of one virtual circuit to another virtual circuit without interrupting the integriity or continuity of the first. This service is only available from a company-designated (T) digital hub.

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EFFECTIVE: February 7.2002

ISSUED: January 7,2002

Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101

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ACCESS SERVICE

7. Special Access Service (Cont'd) RFC'D DEC 17 19S9

- Service Descriptions (Cont'd) 7.2
 - 7.2.8 Digital Data Service{Cont'd)
 - (B) Technical Specifications Packages (Cont'd)

Voltages which are compatible with Digital Data Service are delineated in Technical Reference PUB 62507.

(C) Channel Interfaces

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

CI	Bit	Rate
DU-24	2.4	kbps
DU-48	4.8	kbps
DU-96	9.6	kbps
	19.2	kbps
DU-56	56.0	kbps
DU-64	64.0	kbps

Compatible channel interfaces-are set forth in 7.3.5(H) following.

(D) Optional Features and Functions

(1) Central Office Bridging Capability

Provides for the parallel connection of one virtual circuit to another virtual circuit without interrupting the integrity or continuity of the first. This service is only available from a Company designated digital hub.

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ISSUED: December 17, 1999

Richard D. Lawson State Executive, External Affairs January 17, 2000

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Second Revised Page 318 Cancels First Revised Page 318

ACCESS SERVICE

- 7. Special Access Service {Cont'd)
 - 7.2 Service Desc iptions (Cont'd)
 - 7.2.8 Digital Data Service(Cont'd)
 - {B) Technical Specifications Packages (Cont'd)

Voltages which are compatible with Digital Data (T) service are delineated in Technical Reference PUB 62507.

(C) Channel Interfaces

The following channel interfaces (Cis) define the bit rates that are available for a Digital Data channel: (T)

CI	Bit Rate
DU-24	2.4 kbps
DU-48	4.8 kbps
DU-96	9.6 kbps
	19.2 kbps
DU-56	56.0 kbps
•DU-64	64.0 kbps

Compatible channel interfaces are set forth in 7.3.5(H) following.

(D) Optional Features and Functions

(1) Central Office Bridging Capability

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Richard D. Lawson September 10, 1999 State Executive, External Affairs









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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.8 Tin i ted Di gil ink.!!!! Send rp (Contd)
 - (B) Technical Specifications Packages (Cont'd)

Voltages which are compatible with United DigiLink⁵m Service are delineated in Technical Reference PUB 62507.

(C) Channel Interfaces

> The following channel interfaces (Cis) define the bi; rates that are available for a United DigiLink channel:

CI	Bit Rate
DU-24	2.4 kbps
DU-48	4.8 kbps
DU-96	9.6 kbps
	19.2 kbps
DU-56	56.0 kbps
DU-64	64.0 kbps

(N)

Compatible channel interfaces are set forth in 7.3.5(H) following.

- Optional Features and Functions (D)
 - Central Office Bridging Capability (1)
 - Transfer Arrangement (2)

An arrangement that affords the customer an additional measure of protection and/or flexibility in the use of their access channel(s) on a lxN basis. The arrangement can be utilized to transfer a leg of a Special Access Service to either a spare or working channel that terminates in either the same or a different customer premises. This arrangement available at a Telephone Company designat tiJ key activated or dial-up control service q •r d to operate the transfer arrangement. A spare c annel if required, is not included as a part of the OPSl :lo

smRegistered service mark of United Telecommunications, Inc.

ISSUED:

Pub % Offi!I'ttSSTOn December 7, 1995 BY: John L. Roe Vice President - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211

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UNITED TELEPHONE COMPANY OF MISSOURI

ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.8 United DigiLinkW Service (Cont'd)
 - (B) Technical Specifications Packages (Cont'd)

Voltages which are compatible with United DigiLinkW Service are delineated in Technical Reference PUB 62507.

(C) Channel Interfaces

The following channel interfaces (Cis)define the bit rates that are available for a United DigiLink"' channel:

CANC	ELL	ED
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CI	<u>Bit</u>	Rate	
CI DU-24	2.4	kbps	
DU-48	4.8	kbps	J.N G 996
DU-96	9.6	kbps	ву)pt&'S, #"З ;(
	19.2	kbps	
DU-56	56.0	kbps	Public Service commission
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Compatible channel interfaces are set forth in 7.3.5(H)following.

- (D) Optional Features and Functions
 - Central Office Bridging Capability (1)
 - Transfer Arrangement (2)

An arrangement that affords the customer an additional measure of protection and/or flexibility in the use of their access channel(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 channel that terminates in either the same or a different customer premises. This arrangement is only available at a Telephone Company designated hub. A key activated or dial-up control service is required to operate the transfer arrangement. A spare channel if required, is not included as a part of the option.

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ISSUED:

BY: John L Roe

Overland Park, Kansas 66211

September 17, 1992

Vice President - Administration 5454 West 110th Street

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Embarq Missouri, Inc. d/b/a Embarq

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.8 Digital Data Service (Cont'd)
 - (D) <u>Optional Features and Functions</u> (Cont'd)
 - (2) Data Amplification

Provides for data transmission when the customer is located beyond the normal range of 42 decibel (dB) loss for digital data service (56.0 kbps and 64.0 kbps). The dB loss is determined by the route and length of the cable in addition to the gauge of the cable from the last signaling point (usually, but not always the switching office) to the customer's premise. When the dB loss is greater than 42, a repeater and associated equipment must be installed to regenerate the digital signal for accurate and acceptable data transmission to occur.

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SPRINT MISSOURI, INC. d/b/a SPRINT Second Revised Page 318.1 Cancels First Revised Page 318.1

Missouri Public Service Commission

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ACCESS SERVICE

- 7. Special Access Service (Cont'dl
 - 7.2 Secvice Descci tions (Cont'd)
 - 7.2.8 Digital Data Service (Cont'd)
 - (D) Optional Features and Functions (Cont'dl
 - (2) Data Amplification

Pcovides for data transmission when the customer is located beyond the normal range of 42 decibel (dB) loss for digital data service (56.0 kbps and 64.0 kbps). The dB loss *is* determined by the route and length of the cable in addition to the gauge of the cable from the last signaling point (usually, but not always the switching office) to the customer's premise. When the dB loss is greater than 42, a repeater and associated equipment must be installed to regenerate the digital signal for accurate and acceptable data transmission *to* occur.

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ACCESS SERVICE

- Special Access Service (Cont'd)
- 7.2 Service Descriptions (Cont'd)
 - 7.2.8 Digital Data Service (Cont'd)
 - {D) Optional Features and Functions (Cont'd)
 - (2) Data Amplification

Provides for data transmission when the customer is located beyond the normal range of 42 decibel (dB) loss for high speed digital data service. The dB loss is determined by the route and length of the cable in addition to the gauge of the cable from the last signaling point (usually, but not always the switching office) to the customer's premise. When the dB loss is greater than 42, a repeater and associated equipment must be installed to regenerate the digital signal for accurate and acceptable data transmission to occur.

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Richard D. Lawson September 10, 1999 State Executive, External Affairs

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.2 Service Descriptions (Cont'd)
 - MU. FUDLIU SERVIUE UVIIIM 7.2.8 <u>United DigiLinkService</u> (Cont'd}

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

(3) Data Amplification

Provides for data transmission when the customer is located beyond the normal range of 42 decibel (dB) loss for high speed digital data service. The dB loss is determined by the route and length of the cable in addition to the gauge of the cable from the last signaling point {usually, but not always the switching office) to the customer's premise. When the dB loss is greater than 42, a repeater and associated equipment must be installed to regenerate the digital signal for accurate and acceptable data transmission to occur.

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Registered service mark of United Telecommunications, Inc.

ISSUED:

Richard D. Lawson June 28, 1999 State Executive, External Affairs July 28, 1999

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Embarq Missouri, Inc. d/b/a Embarq Fourth Revised Page 319 Cancels Third Revised Page 319

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 Service Descriptions (Cont'd)
 - 7.2.8 Digital Data Service (Cont'd)
 - (D) 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				
	Specifications Package DA-				
	<u>1 2 3</u>				
Central Office Bridging Capability	х	Х	Х	Х	
Data Amplification				Х	

7.2.9 High Capacity Service

(A) Basic Channel Description

A High Capacity channel is a channel for the transmission of nominal 1.544, 3.152, 6.312, 44.736, and 274.176 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High Capacity channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub, where appropriate digital facilities are available as determined by the Telephone Company.

The customer must furnish the Digital Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises. The interim program for interconnection of such equipment is set forth in Technical Reference Publication PUB AS No. 1.

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CANCELLED November 1, 2021 Missouri Public Service Commission JI-2022-0069 Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: April 30, 2007



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ACCESS SERVICE

7. Special Access Service (Cont'd)

SPRINT MISSOURI, INC.

7.2 <u>SeNice Descriptions</u> (Cont'd)

(D) 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 Technica				
	Specifications Package				
	1	.f		.4	
Central Office Bridging Capability	Х	Х	Х	Х	
Data Amplification				Х	

7.2.9 High Capacity Service

(A) Basic ChannelDescription

A High Capacity channel is a channel for the transmission of nominal 1.544, 3.152. 6.312. 44.736, and 274.116 Mbps isochronous seri al data. The actual bit rate and framing formalis a function of the channel interface selected by the customer. High Capacity channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub, where appropriate digital facilities are available as determined by \he Telephone Company.

The customer must furnish the Digital Network Channel Terminating Equipment associated with the High Capacity channel at the customer's premises. The interim program for interconnection of such equipment is set forth in TechnicalReference *Publication* PUB AS No.1.

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FILED FEB 15 2002

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ISSUED: January 15,2002 Richard *D.* Lawson Stale Executi'lle,External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: February 15, 2002

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- 7. Special Access Service (Cont'd)
 - 7.2 Service Descriptions (Cont'd)
 - Optional Features and Functions (Cont'd) (D)

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

	Available with Technic					
	Specifi	ications	Package	DA-		
	1	2	3	4		
Central Office Bridging						
Capability	Х	Х	Х	Х		
					(D)	
Data Amplification				Х		

7.2.9 High Capacity Service

(A) Basic Channel Description

A High Capacity channel is a channel for the (T) transmission of nominal 1.544, 3.152, 6.312, 44.736, (C) and 274.176 Mbps isochronous serial data. The actual (C) bit rate and framing format is a function of the (T) channel interface selected by the customer. High Capacity channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub, where appropriate digital facilities are available as determined by the Telephone Company.

The customer must furnish the Digital Network Channel Terminating Equipment associated with the High (T) Capacity channel at the customer's premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

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ISSUED:

Richard D. Lawson September 10, 1999 State Executive, External Affairs



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7. Special Access Service (Cont'd)

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- 7.2 Ser ice Descriptions (Cont'd)
 - 7.2.8 United DigiLink' Service (Cont'd) l'll\J.t'UDLJII i:il:hWl t.WIiUVI
 - (D) 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 Specifications Package DA			
	1	2	3	4
Central Office Bridging				
Capability	Х	Х	Х	Х
Transfer Arrangement	Х	Х	Х	Х
Data Amplification				Х

- 7.2.9 United TransLink
 - (A) Basic Channel Description

is a channel for the A United TransLink channel transmission of nominal 64.0 kbps* or 1.544 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. United TransLink channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub, where appropriate digital facilities are available as determined by the Telephone Company.

The customer must furnish the Digital Network Channel Terminating Equipment associated with the United TransLinkor other High capacity channel at the customer's premises. The interim program for

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- Available only as a channel of a 1.544 Mbps facility between two Telephone Company Digital Data Hubs or as a cross connect of two 2.4, 4.8, 9.6, 19.2, 56.0 or 64.0 kbps channels of two 1.544 Mbps facilities to a Digital Data Hub. The customer must provide system and channel assignment data.
- Registered service mark of United Telecommunications, Inc.

ISSUED:

Richard D. Lawson June 28, 1999 State Executive, External Affairs July 28, 1999

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UNITED TELEPHONE COMPANY OF MISSOURI Original Page 319

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 Service Descriptions (Cont'd)
 - 7.2.8 <u>United DigiLinkService</u> (Cont'd)
 - (D) Optional Features and Functions (Cont'd)

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

	Avail	lable w	vith Te	echnical	1
	Specif	icatio	ns Pacl	kage DA	_
	1.	1.	1.	.!!.	_
Central Office Bridging					
Capability	Х	Х	Х	Х	
Transfer Arrangement	Х	Х	Х	Х	

7.2.9 United TransLink

(A) <u>Basic Channel Description</u>

A United TransLinkchannel is a channel for the transmission of nominal 64.0 kbps* or 1.544 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. United TransLink•channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub, where appropriate digital facilities are available as determined by the Telephone Company.

The customer must furnish the Digital Network Channel Terminating Equipment associated with the United TransLink or other High capacity channel at the customer's premises. The interim program for interconnection of such equipment is set forth in Technical Reference PUB AS No. 1.

- Available only as a channel of a 1.544 Mbps facility between two Telephone Company Digital Data Hubs or as a cross connect of two 2.4, 4.8, 9.6, 19.2, 56.0 or 64.0 kbps channels of two 1.544 Mbps facilities to a Digital Data Hub. The customer must provide system and channel assignment data.
- Registered service mark of United Telecommunications, Inc. $t <:: \cdot 1; >$

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ISSUED: September 17, 1992 BY: John L Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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Embarq Missouri, Inc. d/b/a Embarq

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.9 High Capacity Service (Cont'd)
 - (A) <u>Basic Channel Description</u> (Cont'd)

Fractional DS1 channels provide simultaneous, two-way transmission at contiguous bit rates of 128.0, 256.0 and 384.0 kbps. Fractional DS1 channels operate over the combined bandwidth of adjacent channels to create a contiguous bit rate. Due to technical limitations associated with the provision of Fractional DS1, this service will be offered only in end offices where a compatible channel bank exists and the distance between the central office and the customer designated premises is less than or equal to 12,000 feet.

(B) <u>Technical Specifications Packages</u>

	Package HC-					
<u>Parameter</u> Error-Free Seconds	<u>0</u> X	<u>1</u> X	<u>IC</u>	<u>2</u>	<u>3</u>	<u>4</u>

A channel with technical specifications package HC1 will be capable of error-free second performance of 98.75% over a continuous 24 hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference Publication GR-54.

(C) Channel Interfaces

The following channel interface (CIs) defined the bit rates that are available for a High Capacity channel:

CI	Bit Rate
DS-15	1.544 Mbps (DS1)
DS-31	3.152 Mbps (DS1C)
DS-44	44.736 Mbps (DS3)

Compatible channel interfaces are set forth in 7.3.5(I) following.

ISSUED: March 30, 2007

CANCELLED November 1, 2021 Missouri Public Service Commission JI-2022-0069 Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211





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ACCESS SERVICE

7. Special Access Service (Cont'd)

- 7.2 Service Descriptions (Cont'd)
 - High Capacity Service (Cont'd) 7.2.9
 - (A) Basic Channel Description (Cont'd)

Fractional OS1 channels provide simultaneous, hNo-way transmission at contiguous bit rates of 128.0, 256.0 and 384.0 kbps. Fractional DS1 channels operate over the combined bandwidth of adjacent channels to create a contiguous bit rate. Due to technical limitations associated with the provision of Fractional DS1, this service will be offered only in end offices where a compatible channel bank exists and the distance behNeen the central office and the customer designated premises is less than or equal to 12,000 feet.

Technical Specifications Packages (B)

		Package HC-					
Parameter	\overline{Q}	1	<u>IC</u>	2	3		
Error-Free Seconds	Х	Х					

A channel with technical specifications package HC1 will be capable of error-free second performance of 98.75% over a continuous 24 hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference Publication GR-54.

(C) ChannelInterfaces

> The following channel interface (Cis) defined the bit rates that are available for a High Capacity channel:

g_ DS-15	Bit Rate 1.544 Mbps (OS1)	(D)
DS-31 DS-44	3.152 Mbps (DS1C} 44.736 Mbps (DS3)	
	,	(D)

Compatible channelinterlaces are set forth in 7.3.5(1) following.

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ISSUED: January 7, 2002

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.2 Service Descriptions (Cont'd)
 - 7.2.9 High Capacity Service (Cont'd)
 - (A) Basic Channel Description (cont'd)

Cractional DSl channels provide simultaneous, two-way transmission at contiguous bit rates of 128.0, 256.0 and 384.0 kbps. Fractional DSl channels operate over the combined bandwidth of adjacent channels to create a contiguous bit rate. Due to technical limitations associated with the provision of Fractional DS1, this service will be offered only in end offices where a compatible channel bank exists and the distance between the central office and the customer designated premises is less than or equal to 12,000 feet.

(B) Technical Specifications Packages

		Pa	ackage	HC	-		
Parameter		0	1	IC	2	3	4
Error-Free	Seconds	Х	Х				

A channel with technical specifications package HCl will be capable of error-free second performance of 98.75% over continuous 24 hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB 62411.

(C) Channel Interfaces

The following channel interface (Cis) defined the bit rates that are available for a High Capacity channel: (T)

CANCEUI'n	CI	Bit Rate	
	DS-15	1.544 Mbps (DS1)	
	DS-27	274.176 Mbps (DS4)	(M)
FE BO 7 2002	DS-31	3.152 Mbps (DS1C)	
, J., 7 P3 o	DS-44	44.736 Mbps (DS3)	
,	DS-63	6.312 Mbps (DS2)	(M)
I?utht Scr. ce Comnns&ion MiSSOURI	Compatible	channel interfaces are set forth in	

Compatible channel interfaces are set forth in 7.3.5(I) following.

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ISSUED:

Richard D. Lawson September 10, 1999 State Executive, External Affairs



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ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 Service Descriptions (Cont'd)
 - 7.2.9 <u>United TransLink Service</u> (Cont'd)
 - (B) <u>Technical Specifications Packages</u>

Parameter Error-Free Seconds

Package HC-<u>0 <u>1</u> IC <u>2</u> <u>3</u> X</u>

A channel with technical specifications package HCl will be capable of error-free second performance of 98.75% over a continuous 24 hour period as measured at the 1.544 Mbps rate through a CSU equivalent which is designed, manufactured, and maintained to conform with the specifications contained in Technical Reference PUB 62411.

(C) <u>Channel Interfaces</u>

The following channel interface (Cis) defined the bit rates that are available for a United TransLink•channel:

<u>CI</u><u>Bit Rate</u> DS-15*1.544 Mbps (DS1)

Compatible channel interfaces are set forth in 7.3.5(I) following.

*A 64.0 kbps channel is available as a channel(s) of a 1.544 Mbps facility to a Telephone Company Hub.

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ISSUED:

September 17, 1992

BY: John L Roe Vice President - Administration

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.2 Service Descriptions (Cont'd)
 - 7.2.9 High Capacity Service (Cont'd)

(D) Optional Features and Functions

(1) Automatic Loop Transfer

The Automatic Loop Transfer provides protection on a 1xN basis against failure of the facilities between a customer designated premises and the wire center serving that premises. Protection is furnished through the use of a switching arrangement that automatically switches to a spare channel when a working channel fails. Spare channel (C) priority is given to the fowest numbered sfot based upon slot position. Slot position number one is given highest priority. The (C) spare channel is not included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer premises. The customer is responsible for providing the equipment at its premises. This feature is not available with 1.544 (C) Mbps channels having the BSZS line code. (C)

ISSUED: November 29, 2000 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson Gity,MO 65101 EFFECTIVE: December 29, 2000 Missoyrt P t::>lic Servico comm100100

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.2 Service Descriptions (Cont'd)
 - 7.2.9 High Capacity Service (Cont'd)
 - (D) Optional Features and Functions
 - (1) Automatic Loop Transfer

The Automatic Loop Transfer provides protection on a lxN basis against failure of the facilities between a customer designated premises and the wire center serving that premises. Protection is furnished through the use of a switching arrangement that automatically switches to a spare channel when a working channel fails. The spare channel is not included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer premises. The customer is responsible for providing the equipment at its premises. Equipment at the customer premises will be provided under tariff only if it existed in the Telephone Company inventory as of November 18, 1983.

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Special Access Service (Cont'd) 7.2 Service Descriptions (Cont'd)

7.2.9 United TransLink* Service (Cont'd)

- (D) Optional Features and Functions
 - (1) Automatic Loop Transfer

The Automatic Loop Transfer provides protection on a 1xN basis against failure of the facilities between a customer designated premises and the wire center serving that premises. Protection *is* furnished through the use of a switching arrangement that automatically switches to a spare channel when a working channel fails. The spare channel is not included as a part of the option. This option requires compatible equipment at both the serving wire center and the customer premises. The customer is responsible for providing the equipment at its premises. Equipment at the customer premises will be provided under tariff only if it existed in the Telephone Company inventory as of November 18, 1983.

(2) Transfer Arrangement

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

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ACCESS SERVICE

- 7. <u>Special Access Service</u> (Cont'd)
 - 7.2 Service Descriptions (Cont'd)
 - 7.2.9 High Capacity Service (Cont'd)
 - (D) Optional Features and Functions (Cont'd)
 - (2) <u>Central Office Multiplexing</u>

(a) DS3 to DS1

An arrangement that converts a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing.

- (b) <u>DS1C to DS1</u>
 - An arrangement that converts a $3.152\ \rm Mbps$ channel to two DS1 channels using digital time division multiplexing.

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EFFECTIVE: February 7, 2002

ISSUED: January 7, 2002 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City,MO 65101

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- 7. Special Access Service (Cont'd)
 - 7.2 Service Descriptions (Cont'd)
 - 7.2.9 High Capacity Service (Cont'd)
 - (D) Optional Features and Functions {Cont'd)
 - (2) Central Office Multiplexing
 - (a) DS4 to DS1 (C) (M)

An arrangement that converts a 274.176 Mbps channel tb 168 DSl channel using digital time division multiplexing.

(b) DS3 to DS1

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

(c) DS2 to DS1 (C)

An arrangement that converts a 6.312 Mbps channel to four DS1 channels using digital time division multiplexing.

(d) DSlC to DSl (C)

An arrangement that converts a 3.152 Mbps channel to two DSl channels using digital time division multiplexing.

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Richard D. Lawson September 10, 1999 State Executive, External Affairs



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7. Special Access Service (Cont'd)

- 7.2 Service Descriptions (Cont'd)
 - 7.2.9 United TransLinkService (Cont'd)
 - Optional Features and Functions (Cont'd) (D)
 - (3) Central Office Multiplexing (Cont'd)
 - (a) Reserved for future use.
 - (b) Reserved for future use.
 - (c) Reserved for future use.
 - (d) Reserved for future use
- ... Registered service mark of United Telecommunications, Inc.

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ISSUED: September 17, 1992

BY: John L Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211





Embarq Missouri, Inc. d/b/a Embarq

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 Service Descriptions (Cont'd)
 - 7.2.9 High Capacity Service (Cont'd)
 - (D) Optional Features and Functions (Cont'd)
 - (2) <u>Central Office Multiplexing</u> (Cont'd)
 - (c) <u>DS1 to Voice</u> (T)

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel(s) of this DS1 to the Hub can also be used for a Digital Data, or WATS Access Line Service.

(d) <u>DS1 to DS0</u> (T)

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

ISSUED: March 30, 2007

CANCELLED November 1, 2021 Missouri Public Service Commission JI-2022-0069 Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: April 30, 2007



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ACCESS SERVICE

- 7. SpecialAccess Service (Cont'd)
 - 7.2 Service Descriptions (Cont'd)
 - 7.2.9 High Capacity Service (Cont'd)
 - (0) Optional Features and Functions (Cont'd)
 - (2) <u>CentralOffice Multiplexing</u> (Conl'd)
 - (e) OSt to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel(s) of this DS1 to the Hub can also be used for a Digital *Data*, orWATS Access Line Service. (CT)

(f) DS1 to DSO

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

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- 7. Special Access Service (Cont'd)
 - 7.2 Service Descriptions (Cont'd)
 - 7.2.9 High Capacity Service (Cont'd)
 - (D) Optional Features and Functions (Cont'd)
 - (2) <u>Central Office Multiplexing</u> (Cont'd)
 - (e) DS1 to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel(s) of this DS1 to the Hub can also be used for a Digital Data, Program Audio, or WATS Access Line Service.

(f) DS1 to DSO

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

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ISSUED: November 29, 2000 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: December 29, 2000 M'\s!XI.Idrl PL, I:'JIIO Serv G QbffIffilealEtn

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- 7. Special Access Service (Cont'd)
 - 7.2 Service Descriptions (Cont'd)
 - 7.2.9 <u>High Capacity Service</u> (Cont'd)
 - {D) Optional Features and Functions (Cont'd)
 - (2) Central Office Multiplexing (Cont'd)
 - (e) DSl to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel(s) of this DSl to the Hub can also be used for a Digital Data, Program Audio, or WATS Access Line Service.

(f) DS1 to DS0

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

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- 7. Special Access Se vice (Cont'd)
 - 7.2 Service Descriptions (Cont'd)
 - 7.2.9 High Capacity Service (Cont'd)
 - (D) Optional Features and Functions (Cont'd)
 - (2) Central Office Multiplexing (Cont'd) (T)
 - (e) DS1 to Voice

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel(s) of this DSl to the Hub can also be used for a Digital Data, (T} Program Audio, or WATS Access Line Service. (C)

(f) <u>DS1 to DS0</u>

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

(g) DSO to Subrate

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

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ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.9 United TransLinkService (Cont'd)
 - (D) Optional Features and Functions (Cont'd)
 - (3) <u>Central Office Multiplexing</u> (Cont'd)
 - (e) <u>DSl to Voice</u>

An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel(s) of this DS1 to the Hub can also be used for a United DigiLink . Program Audio, Metallic, or WATS Access Line Service.

(f) <u>DSl to DSO</u>

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

(g) <u>DSO to Subrate</u>

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

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ISSUED: September 17, 1992 BY: John L Roe Vice President - Administration 5454 West llOth Street Overland Park, Kansas 66211



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- 7. <u>SpecialAccess Service</u> (Cont'd)
 - 7.2 Service Descriptions (Cont'd)
 - 7.2.9 High_Capacity Service (Cont'd)
 - (D) Optional Features and Functions (Conl'd)

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

	Available with Technical Specifications Package HC-					
	0	<u>1</u>	<u>1C</u>		<u>3</u>	<u>4</u>
Automatic Loop						
Transfer		Х				
CentralOffice						
Multiplexing:						
DS1 to Voice		Х				
DS1IoDSO		Х				
DS3 to DS1					Х	
DS1C to DS1			Х			
Clear Channel Capability		Х			Х	

7.2.10 Clear ChannelCapability

Clear Channel Capability (CCC) is an arrangement that alters a 051/1.544 Mbps (CT) signal with unconstrained information bits to meet pulse density requirements outlined in Technical Reference Publications GR-54 and GR-342. This will allow a customer to transport an all zero octet over a 05111.544 Mbps High Capacity channel providing an available combined maximum 1.536 Mbps data rate. This arrangement requires the customer signal at the channel interface to conform to Bipolar with 8 Zero Substitution (B8ZS) line code as described in Technical Reference Publications GR-54 and GR-342.

CCC is provided on 05111.544 Mbps High Capacity channels between two customer designated premises and is subject to the availability of facilities. This optional feature may be ordered at the same time the 05111.544 Mbps High Capacity channel is ordered, or it may be ordered as an additional feature of an existing channel.

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Service Commission EFFECTIVE: August8,2002



CanceUed April 30, 2007 1\1 s.our iPublic Serrice Commission ISSUED: July 9, 2002 Richard D. lawson State Executive, ExternalAffairs 319 Madison Jefferson City,MO 65101

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7. Special Access Service (Cont'd)

- 7.2 Service Descriptions (Cont'd)
 - 7.2.g High Capacity Service (Cont'd)
 - (D) 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						
	Specifications Package HC-						
	0	<u>1</u>	<u>1C</u>	<u>2</u>	<u>3</u>	<u>4</u>	
Automatic Loop							
Transfer		Х					
Central Office							
Multiplexing:							
DS1 to Voice		Х					
DS1 to DSO		Х					
					v		(D)
DS3 to DS1					Х		
DS1C to DS1			х				(D)
Clear Channel Capability		Х	Λ		х		
		~			~		

7.2.10 Clear Channel Capability

Clear Channel Capability provides an increase in usable bandwidth from 1.344 Mbps to 1.536 Mbps of an unconstrained data stream across the network. Clear Channel Capability is provided only in offices with existing technical capability on 1.544 Mbps High Capacity Service and on multiplexed 44.736 Mbps High Capacity Service, and requires the customer signal at the channel interface to conform to Bipolar with Eight Zero Substitution (BBZS) line code format as described in Technical Reference *Publications GR-54 and GR-342*. Customer equipment must be compatible with this method of providing the unconstrained signal.



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ISSUED: January 7, 2002 Richard D. Lawson State Executive, External Affairs 31g Madison Jefferson City, MO 65101 REC'D JAN 07 2002

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- 7. Special Access Service (Cont'd)
 - 7.2 Service Descriptions (Cont'd)
 - 7.2.9 High Capacity Service (Cont'd)
 - (D) 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 Specifications Package HC-					
	0	1	1C	2	3	4
Automatic Loop						
Transfer		Х				
Central Office						
Multiplexing:						
DS1 to Voice		Х				
DS1 to DSO		Х				
DS4 to DS1						Х
DS3 to DS1					Х	
DS2 to DS1				Х		
DS1Cto DS1			Х			
Clear Channel Capability		X			Х	

7.2.10 Clear Channel Capability

Clear Channel Capability provides an increase in usable bandwidth from 1.344 Mbps to 1.536 Mbps of an unconstrained data stream across the network. Clear Channel Capability is provided only in offices with existing technical capability on 1.544 Mbps High Capacity Service and on multiplexed 44.736 Mbps High Capacity Service, and requires the customer signal at the channel interface to conform to Bipolar with Eight Zero Substitution (BBZS) line code format as described in Technical Reference PUB 77323. Customer equipment must be compatible with this method of providing the unconstrained signal.

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ISSUED: November 29, 2000 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: December 29, 2000 MisSO.Yrl PYEIIItl Servic;:e commiseien

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- 7. Special Access Service (Cont'd)
 - 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.9 High Capacity Service (Cont'd)
 - (D) 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 Specifications					
	0 0	1	lC		<u> </u>	4
Automatic Loop						
Transfer		Х				
Central Office						
Multiplexing:						
DSl to Voice		Х				
DSl to DSO		Х				
DS4 to DS1						Х
DS3 to DS1					Х	
DS2 to DS1				Х		
DSIC to DSI			Х			

7.2.10 Reserved For Future Use

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- 7. Special Access Service (Cont'd)
 - 7.2 Service Descriptions (Cont'd)
 - 7.2.9 High Capacity Service (Cont'd)
 - (D) Optional Features and Functions (Cont'd)

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

			with tions 1C				
Automatic Loop Transfer Central Office Multiplexing:		Х					
DSl to Voice DSl to DSO DSO to Subrate	х	X X					
DS0 to Sublate DS4 to DS1 DS3 to DS1 DS2 to DS1 DS1C to DS1	~		Х	х	х	Х	(M) (M)
							(D)

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Richard D. Lawson September 10, 1999 State Executive, External Affairs



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7. Special Access Service (Cont'd)

- 7.2 Service Descriptions (Cont'd)
 - 7.2.9 United Tr<u>ans</u>Link⁵M Service (Cant'd)
 - (D) Optional Features and Functions (Cant'd) MO.PUBUC.SEAU 10E00MM

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

Available with Technical Specifications Package HC-

	١.
Automatic Loop	
Transfer	х
Central Office	
Multiplexing:	
DSl to Voice	Х
DS1 to DS0	Х
oso to Subrate* X	
Transfer Arrangement	Х

- 7.2.10 High Capacity Service
 - (A) Basic Channel Description
 - A high capacity channel is a channel for the transmission of 3.152, 6.312, 44.736 or 274.176 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High capacity channels are provided between customer designated premises or between a customer designated premises and a Tele-phone Company Hub.

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

2) Fractional DS1 channels provide simultaneous, two-way transmission at contiguous bit rates of 128.0, 256.0 and 384.0 kbps. Fractional DS1 channels operate over the combined bandwidth of adjacent channels to create a contiguous bit rate.

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ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.9 <u>United TransLinkService</u> (Cont'd)
 - (D) 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 Specifications Package HC-					
	.!!1.	Ι.				
Automatic Loop						
Transfer		Х				
Central Office						
Multiplexing:			CANCELLED			
DSl to Voice		Х	VANUELEED			
DS1 to DS0		Х				
DSO to Subrate*	Х					
Transfer Arrangement		Х	JUL 2 0 1998			
7.2.10 High Capacity Service		Р	8y 1 St- TU .s t-1-:?>?t1 ublic Service Commtsston			

(A) <u>Basic Channel Description</u>

A high capacity channel is a channel for the transmission of 3.152, 6.312, 44.736 or 274.176 Mbps isochronous serial data. The actual bit rate and framing format is a function of the channel interface selected by the customer. High capacity channels are provided between customer designated premises or between a customer designated premises and a Telephone Company Hub.

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

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- 7. Special Access Service (Cont'd)
 - 7.2 Service Descriptions {Cont'd)

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7.2.10 Reserved for Future Use (Cont'd)

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ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 Service Descriptions (Cont'd)
 - 7.2.10 High Capacity Service (Cont'd)
 - A) Basic Channel Description (Cont'd)

Due to technical limitations associated with the provision of Fractional DSI, this service will be offered only in end offices where a compatible channel bank exists and the distance between the central office and the customer designated premises is less than or equal to 12,000 feet.

B) Channel Interfaces

CI

The following channel interface {Cis) defines the bit rate that is available for a High Capacity channel:

Bit Rate

DS-27	274.176 Mbps (OS4)
DS-31	3.152 Mbps (DS1C)
OS-44	44.736 Mbps (DS3)
DS-63	6.312 Mbps (DS2)

Compatible channel interfaces are set forth in $7.3.5\{!\,)$ following.

- (C) Optional Features and Functions
 - (1) Central Office Multiplexing
 - (a) <u>OS4 to OS1</u>

An arrangement that converts a 274.176 Mbps channel to 168 OSl channel using digital time division multiplexing.

(b) DSJ to QS1

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

(c) DS2 to DS1

An arrangement that converts a 6.312 Mbps channel to four 051 channels using digital time division multiplexing.

(d) DS1C to OS1

An arrangement that converts a 3.152 Mbps channel to two DSl channels using digital time division multiplexing.

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7. Special Access Service (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.10 High Capacity Service (Cont'd)

(B) Channel Interfaces

The following channel interface (Cis)defines the bit rate that is available for a High Capacity channel:

CI	<u>Bit Rate</u>
DS-27	274.176 Mbps (DS4)
DS-31	3.152 Mbps (DSlC)
DS-44	44.736 Mbps (DS3)
DS-63	6.312 Mbps (DS2)

Compatible channel interfaces are set forth EL!Ai following.

- (C) Optional Features and Functions JUL 20 1998
 - (1) Central Office Multiplexing By)S+-eV:J f ')S, (a) DS4 to DS1 Public Service Commission

An arrangement that converts a 274.176 Mbps channel to 168 DSl channel using digital time division multiplexing.

(b) DS3 to DS1

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

(c) <u>DS2 to DS1</u>

An arrangement that converts a 6.312 Mbps channel to four DSl channels using digital time division multiplexing.

(d) DS1C to DS1

An arrangement that converts flli(;)Mbps channel to two DSl channels usind tal time division multiplexingNQV "119!.

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.2 Se vice Descriptions (Cont'dl

7.2.10 Reserved For Future Use (Cont'd)

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Richard D. Lawson September 10, 1999 State Executive, External Affairs 0



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ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.10 High Capacity Service (Cont'd)
 - (C) Optional Features and Functions (Cont'd)

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

				Technical Package HC-
	<u>1C</u>	2	3	
Central Office				
Multiplexing:				
DS4 to DS1				Х
DS3 to DS1			Х	
DS2 to DS1		Х		
DSIC to DS1	Х			

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Embarq Missouri, Inc. d/b/a Embarq

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.11 WATS Access Line (WAL) Service
 - (A) Basic Channel Description

A WATS Access Line Service provides a channel for voice frequency transmission capability. The service provides a connection between a customer designated premises and a WATS serving office associated with the closed end of TFC Service, WATS or similar service. It is provided only for use with Feature Group C or D Switched Access Service as set forth in Section 6 preceding.

WAL Service is arranged for either originating calling only or terminating calling only. It is provided with either rotary dial or dual tone multifrequency address signaling and either loop start, ground start, E&M, or reverse battery supervisory signaling. The choice of the type of signaling is at the option of the customer

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 <u>Service Descriptions</u> (Cont'd)

7.2.11 WATS Access Line CWAL> Service

(A) Basic Channel Description

A WATS Access Line Service provides a channel for voice frequency transmission capability. The service provides a connection between a customer designated premises and a WATS serving office associated with the closed end of TFC Service, WATS or similar service. It is provided only for use with Feature Group C or D Switched Access Service as set forth in Section 6 preceding.

WAL Service is arranged for either originating calling only or terminating calling only. It is provided with either rotary dial or dual tone multifrequency address signaling and either loop start, ground start, E&M, or reverse battery supervisory signaling. The choice of the type of signaling is at the option of the customer

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1996 BY: John L. Roe Vice President - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211 March 27, 1996 EFFECTIVE:

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7. <u>Special Access Service</u> (Cont'd)

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7.2 Service Descriptions (Cont'd)

7.2.11 WATS Access Line (WALL Service

(A) <u>Basic Channel Description</u>

A WATS Access Line Service provides a channel for voice frequency transmission capability. The service provides a connection between a customer designated premises and a WATS serving office associated with the closed end of 800 Service, WATS or similar service. It is provided only for use with Feature Group C or D Switched Access Service as set forth in Section 6 preceding.

WAL Service is arranged for either originating calling only or terminating calling only. It is provided with either rotary dial or dual tone multifrequency address signaling and either loop start, ground start, E&M, or reverse battery supervisory signaling. The choice of the type of signaling is at the option of the customer and

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ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 Service Descriptions (Cont'd)
 - 7.2.11 WATS Access Line (WAL) Service (Cont'd)
 - (A) <u>Basic Channel Description</u> (Cont'd)

Subject to the technical limitations identified in the Technical Publication GR-3334. WATS Access Line Service is provided as an effective twowire, an effective four-wire or a DS1 (i.e., 1.544 Mbps) transmission path.

(B) Technical Specification Packages

	Packages WAL				
Parameters	<u>1</u>	2	<u>3</u>		
Attenuation Distortion Bit error rate	Х	х	Х		
C-Message Noise	Х	Х			
Echo Control	Х	Х			
Envelop Delay Distortion	Х	Х			
Frequency Shift	Х	Х			
Impulse Noise	Х	Х			
Intermodulation Distortion	Х	Х			
Loss Deviation	Х	Х			
Phase Jitter	Х	Х			
Signal-to-C	Х	Х			
Notch Noise					

(C) Channel Interfaces

The following interfaces are available with WAL Service:

LO, LS, DS, GO, GS RV, EA, EB, SF

Compatible channel interfaces are set forth in 7.3.5.(J)

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ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.2 Service Descriptions (Cont'd)
 - 7.2.11 WATS Access line (WAUService (Cont'd)
 - (A) Basic Channel Description (Cont'd)

Subject to the technical limitations identified in the Technical *Publication GR* (T) *3334.* WATS Access Line Service is provided as an effective two-wire, an effective four-wire or a DS1 (i.e., 1.544 Mbps) transmission path.

(B) Technical Specificat on Packages

	F	Packages Wil	IL-
Parameters	1	2	
Attenuation Distortion	Х	Х	
Bit error rate			Х
C-Message Noise	Х	Х	
Echo Control	Х	Х	
Envelop Delay Distortion	Х	Х	
Frequency Shift	Х	Х	
Impulse Noise	Х	Х	
Intermodulation Distor1ion	Х	Х	
Loss Deviation	Х	Х	
Phase Jitter	Х	Х	
Signal-to-e	Х	Х	
Notch Noise			

(C) Channel Interfaces

The following interfaces are available with WAL Service:

LO, LS, DS, GO, GS RV, EA EB. SF

Compatible channelinterfaces are set forth in 7.3.5.(J)

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SSUED: January 15,2002 Richard D. Lawson State Executive, ExtemalAffairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: February 15, 2002

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7. Special Access Service (Cont'd)

- 7.2 Service Descriptions (Cont'd)
 - 7.2.11 WATS Access Line (WALl Service (Cont'd)
 - (A) <u>Basic Channel Description</u> (Cont'd)

subject to the technical limitations identified in the Technical Pub 62500. WATS Access Line Service is provided as an effective two-wire, an effective four-wire or a DS1 (i.e., 1.544 Mbps) transmission path.

(B) <u>Technical Specification Packages</u>

Parameters	1.	Ι.	1.
Attenuation Distortion	Х	Х	
Bit error rate			Х
C-Message Noise	Х	Х	
Echo Control	Х	Х	
Envelop Delay	Х	Х	
Distortion			
Frequency Shift	Х	Х	
Impulse Noise	Х	Х	

Phase Jitter	X	X
Signal-to-e	Х	Х
Notch Noise		

(C) Channel Interfaces

The following interfaces are available with WAL Service:

LO, LS, DS, GO, GS RV, EA EB, SF

Compatible channel interfaces are set forth in 7.3.5.(J)

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7. <u>Special Access Service</u> (Cont'd)

- 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.11 WATS Access Line (WAL) Service (Cont'd)
 - (D) Optional Features and Functions
 - (1) Two-wire and four wire Central office bridging capability.
 - (2) Improved two-wire and four-wire voice transmission specifications.
 - (3) Signaling Capability
 - (4) Certain other options associated with WAL services are available as Local Switching optional features as defined in Section 6 preceding.

7.2.12 Special Access Service Utilized for Connection with Switched Access Service

(A) Basic Service Description

A special access service utilized for connection with a switched access service implemented as a voice grade dedicated communications path between the customer's end user and a WATS Serving Office (WSO) equipped with Feature Groups A, B, C or D service, together, form the functional parts that are the major building blocks of the WATS* service. Switched access optional arrangements are available as set forth in Section 6.3. Both of these functional elements are necessary to provide service from the customer's end user to the customer's designated premises.

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* Use of the Terms "WATS" and/or "WATS like" is descriptive only and is not intended to restrict

- provision of a WSAC to a specific type of service.
- (M) Material omitted from this page now appears on Page 329.2.

ISSUED: May 1, 2012

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- 7. Special Access Service (Cont'd)
 - 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.11 WATS Access Line <WAL}Service (Cont'd)Service Cornmission
 - (D) Optional Features and Functions
 - (1) Two-wire and four wire Central office bridging capability.
 - (2) Improved two-wire and four-wire voice transmission specifications.
 - (3) Signaling Capability
 - (4) Certain other options associated with WAL services are available as Local Switching optional features as defined in Section 6 preceding.
 - 7.2.12 Reserved for Future Use
 - 7.2.13 Reserved for Future Use

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- 7. <u>Special Access Service</u> (Cont'd)
 - 7.2 <u>Service Descriptions</u> (Cont'd)
 - 7.2.11 WATS Access Line (WALl Service (Cont'd)
 - (D) Optional Features and Functions
 - (1) Two-wire and four wire Central office bridging capability.
 - (2) Improved two-wire and four-wire voice transmission specifications.
 - (3) Signaling Capability
 - (4) Certain other options associated with WAL services are available as Local Switching optional features as (1 defined in Section 6 preceding.
 - 7.2.12 Reserved for Future Use
 - 7.2.13 Educational Video Technical Trial

The Company will perform a technical trial for Educational Video in cooperation with four schools centered in and around Warrensburg, Missouri. The purpose of the technical trial is to determine the effectiveness of the technology that will be used for Educational Video applications. Educational Video will **provide a video connection between classrooms** *in* **different** schools, thus allowing a teacher to conduct a class in multiple locations at the same time. The field trial will be conducted for one year, and will be initially tested at no charge.



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- Special Access Service (Cont'd)
- - 7.2 Service Descriptions (Cont'd)
 - 7.2.11 WATS Access Line (WALL Service (Cont'd)
 - Optional Features and Functions (D)
 - (1) Two-wire and four wire Central office bridging capability.
 - (2) Improved two-wire and four-wire voice transmission specifications.
 - (3) Signaling Capability
 - (4) Certain other options associated with WAL services are available as either Line Termination common Switching optional features as defined in Section 6 preceding.
 - 7.2.12 Reserved for Future Use
 - 7.2.13 Educational Video Technical Trial

The Company will perform a technical trial for Educational Video in cooperation with four schools centered in and around Warrensburg, Missouri. The purpose of the technical trial is to determine the effectiveness of the technology that will be used for Educational Video applications. Educational Video will provide a video connection between classrooms in different schools, thus allowing a teacher to conduct a class in multiple locations at the same time. The field trial will be conducted for one year, and will be initially tested at no charge.

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- <u>Special Access Service</u> (Cont'd) 7.
 - <u>Service Descriptions</u> (Cont'd) 7.2
 - 7.2.11 WATS Access Line <WALl Service (Cont'd)
 - (D) Optional Features and Functions
 - (1) Two-wire and four wire Central office bridging capability.
 - Improved two-wire and four-wire voice transmission (2) specifications.
 - (3) Signaling Capability
 - (4) Certain other options associated with WAL services are available as either Line Termination common Switching optional features as defined in Section 6 preceding.

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BY: John L Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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7.3 Channel Interface and Network Channel Codes

Network Channel Codes are comprised of four characters. The first and second (C) characters describe the technical specifications package within the service type. The third and fourlh characters describe and specify options associated with the service. The Telephone Company abides by nationally accepted standards in its use of Network Channel Codes and are available from the Telephone Company upon request.

Channel Interface Codes describe the electrical characteristics of the interface at the customer's premises. Compatible Channel Interface codes for the requested service must be specified by the customer when ordering the services. Channel Interface codes for each category of Special Access Service can be found in the Technical Reference Publications set forth in 7.2 preceding.

7.3.1 Glossary of Channel Interface Codes and Options

Code	Option	Definition
AB AC		accepts 20 Hz ringing signalat customer's point of termination accepts 20 Hz ringing signal at customer's end user's point of termination
AH		analog high capacity interface
	В	60kHz to 108kHz (12 channels)
	С	312 kHz to 552kHz (60 channels)
	D	564 kHz to 3084 kHz (600 channeís)
СТ		Centrex Tie Trunk Termination
DA		data stream in VF frequency band at customer's end user's
		point of termination
DB		data stream in VF frequency band at customer's point of termination

ISSUED: November 29, 2000

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April 30, 2007 1\1 s.our iPublic Serrice Commission Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: December 29,2000 MtS O rl ?ybUc S®rviO QtJMITHesfQn

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7. Special Access Service (Cont'd)

Channel Interface and Network Channel Codes 7.3

This section explains the Channel Interface codes and Network Channel codes that the customer must specify when ordering Special Access Service. Included is an example which explains the specific characters of the code, a glossary of Channel Interface codes, impedance levels, Network Channel codes and compatible Channel Interfaces.

Example: If the customer specifies a NT Network Channel Code and a 2DC8-3 Channel Interface at the customer's premises, the following is being requested:'

> 2 Number of physical wires at customer premises Facility interface for direct current or voltage DC Variable imepedence level 8

7.3.1 Glossary of Channel Interface Codes and OEtions

Code	OEtion	Definition
AB		accepts 20 Hz ringing signal at
AC		customer's point of termination accepts 20 Hz ringing signal at customer's end user's point of termination
AH	2	analog high capacity interface
	8 C	60 kHz to 108 kHz (12 channels) 312 kHz to 552 kHz (60 channels)
	D	564 kHz to 3084 kHz (00 channels)
СТ		Centrex Tie Trunk Termination
DA		data stream in VF frequency band at
		customer's end user's point of
		termination
DB		data stream in VF frequency band at
		customer's point of termination

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Richard D. Lawson February 9, 2000 State Executive, External Affairs

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7. Special Access Service (Cont'd)

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7.3 Channel Interface and Network Channel Codes

This section explains the Channel Interface codes and Network Channel codes that the customer must specify when ordering Special Access Service. Included is an example which explains the specific characters of the code, a glossary of Channel Interface codes, impedance levels, Network Channel codes and compatible Channel Interfaces.

Example: If the customer specifies a NT Network Channel Code and a 2DC8-3 Channel Interface at the customer's premises, the following is being requested: •

DC Facility interface for direct current or voltage 8 Variable imepedence level	2	Number of	f physical	wire	s at	customer	pre	mises	
8 Variable imepedence level	DC	Facility	interface	for	direct	t current	or	voltage	
	8	Variable	imepedence	lev	vel				

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7.3.1 Glossary of Channel Interface Codes and Options

Code	Option	Definition
AB		accepts 20 Hz ringing signal at
AC		customer's point of termination accepts 20 Hz ringing signal at customer's end L:J.ser's point of
		termination
AH		analog high capacity interface
	В	60 kHz to 108 kHz (12 channels)
	c	312 kHz to 552 kHz (60 channels}
	D	564 kHz to 3084 kHz (600 channels)
CT		Centrex Tie Trunk'.Termination
DA		data stream in VF f.z:equency band at
		customer's end user's point of
		termination
DB		data stream in VF frequency band at
		customer's point of termination
	10	VF for TG1 and TG2
	43	VF for 43 Telegraph Carrier type signals, TG1 and TG2.

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ISSUED:

Richard D. Lawson September 10, 1999 State Executive, External Affairs

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- 7. <u>Special Access Service</u> (Cont'd)
 - 7.3 Channel Interface and Network Channel Codes

This section explains the Channel Interface codes and Network Channel codes that the customer must specify when ordering Special Access Service. Included is an example which explains the specific characters of the code, a glossary of Channel Interface codes, impedance levels, Network Channel codes and compatible Channel Interfaces.

Example: If the customer specifies a NT Network. Channel Code and a 2DC8-3 Channel Interface at the customer's premises, the following is being requested:

- MT Metallic Channel with a Predefined Technical Specification Package(1)
- 2 Number of physical wires at customer premises
- DC Facility interface for direct current or voltage
- 8 Variable imepedence level
- 3 D Metallic facilities (DC continuity for direct current/low frequency control signals or slow data (30 baud)
- 7.3.1 Glossary of Channel Interface Codes and Options

Code Option	Definition
AB	accepts 20Hz ringing signal at customer's point of termination
AC	accepts 20 Hz ringing signal at customer's end user's point of termination
AH	analog high capacity interface
– B	60 kHz to 108 kHz (12 channels)
- C	312 kHz to 552 kHz (60 channels)
D	564 kHz to 3084 kHz (600 channels)
CT	Centrex Tie Trunk Termination
DA	data stream in VF frequency band at customer's
	end user's point of termination
DB	data stream in VF frequency band at customer's point of termination
10	VF for TGl and TG2
43	VF for 43 Telegraph Carrier type sig L.
T J	and TG2.

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7. Special Access Service (Cont'd)



7.3 ChannelInterface and Network Channel Codes (Cont'd)

7.3.1 Gossary of Channel Interface Codes and Options (Cont'd)

Code	Option	Definition	
DC		direct current or voltage monitoring interface with series RC combination (McCulloh format)	
DD	2	Telephone Company energized alarm channel DATAPHONE Select-A-Station (and TABS) interface at customer's point of termination	
DE		DATAPHONE Select-A-Station (and TABS) interface at the customer's end user's point of termination	
DS		digital hierarchy interface	
-	15	1.544 Mbps (DS1) format plus 04	(C)
	158	1.544 Mbps (051) format plus 04 with BBZ5 clear channel capability	(N) (N}
	15E	8-bit PCM encoded in one 64 kbps of the DS1 signal	
	15F	8-bit PCM encoded in two 64 kbps of the OS1 signal	
	15G	a-bit PCM encoded in three 64 kbps of the OS1 signal	
	15H	14/11-bit PCM encoded in six 64 kbps of the DS1 signal	(7)
	15J	1.544 Mbps format	(C}
	15K	1.544 Mbps format plus extended framing format	(C)
	15L	1.544 Mbps (DS1) with SF signaling	
	155	1.544 Mbps using 88Z5 line code and extended framing format	(N)
	27	274.176 Mbps (DS4)	(N)
	27L	274.176 Mbps (DS4) with SF signaling	(14)
	31	3.152 Mbps (DS1C)	
	31L	3.152 Mbps (DS1C) with SF signaling	
	44	44.736 Mbps (DS3)	
	44L	44.736 Mbps (DS3) with SF signaling	

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CanceUed April 30, 2007 1\1 s.our iPublic Serrice Commision Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101





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7.3		Interlace	e and Networ	R Channel Codes Coregig DLP 101///
	7.3.1	Glossary	of Channel	Interface Codes and Options tCont'd)
		Code	Option	Definition
		DC	1 2	direct current or voltage monitoring interface with series RC combination (McCulloh format) Telephone Company energized alarm
				channel
				(D)
				 (D)
		DD		DATAPHONE Select-A-Station (and TABS) interface at customer's point of termination
		DE		DATAPHONE Select-A-Station (and TABS) interface at the customer's end user's point of termination
		DS	15	digital hierarchy interface 1.544 Mbps (DSl) format per PUB 41451 plus D4
			15E	8-bit PCM encoded in one 64 kbps of the DSl signal
			15F	8-bit PCM encoded in two 64 kbps of the DS1 signal
			15G	8-bit PCM encoded in three 64 kbps _of the DS1 signal
			15H	14/11-bit PCM encoded in six 64 kbps of the DS1 signal
			15J	1.544 Mbps format per PUB 41451
			15K	1.544 Mbps format per PUB 41451 plus extended framing format
			151	1.544 Mbps (OSl) with SF signaling
			27	274.176 Mbps (DS4)
			271	274.176 Mbps (DS4) with SF signaling
			31	3.152 Mbps (DS1C)
			311	3.152 Mbps (DS1C) with SF signaling
			44	44.736 Mbps (DS3)
			441	44.736 Mbps (DS3) with SF signaling
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Special Access Service (Cont'd)

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- 7.3 Channel Interface and Network Channel Codes (Cont'd)
 - 7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

Code	Option	Definition
DC DD DE	1 2 3	<pre>direct current or voltage monitoring interface with series RC combination (McCulloh format) Telephone Company energized alarm channel Metallic facilities (DC continuity)for direct current/low frequency control signals or slow speed date (30 baud) DATAPHONE Select-A-Station (and TABS) interface at customer's point of termination DATAPHONE Select-A-Station (and TABS) interface at the customer's end user's point of termination</pre>
DS	15 15E	digital hierarchy interface 1.544 Mbps (DSl)format per PUB 41451 plus D4 8-bit PCM e_ncoded in one 64 kbps of the DSl signal
	15F	8-bit PCM encoded in two 64 kbps of the DS1 signal
	15G	8-bit PCM encoded in three 64 kbps of the DSl signal
	15H	14/11-bit PCM encoded in six 64 kbps of the DS1 signal
	15J 15K	1.544 Mbps format per PUB 41451 1.544 Mbps format per PUB 41451 plus extended framing format
	15L 27 27L 31 31L	1.544 Mbps (DS1) with SF signaling 274.176 Mbps (DS4) 274.176 Mbps (DS4) with SF signaling 3.152 Mbps (DS1C) 3.152 Mbps (DS1C) with SF signaling
	44 44L	44.736 Mbps (DS3) 44.736 Mbps (DS3)with SF signaling

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7. Special Access Service (Cont'd)

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- 7.3 Channel Interface and Network Channel Codes (Cont'd)
 - 7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)
 - Code Option Definition

DU digital access interface 24 2.4 kbps 4.8 kbps 48 56.0 kbps 56 64.0 kbps 64 96 9.6 kbps 1.544 Mbps format А В 1.544 Mbps format plus 04 С 1.544 Mbps format plus extended framing format 1.544 Mbps format plus D4 with BSZS clear channel capability D S 1.544 Mbps using B8ZS line code and extended framing format DX duplex signaling interface at customer's point of termination duplex signaling interface at customer's end user's point of DY termination Е Type **IE&M**Lead Signaling. Customer at POT or customer's EΑ end user at POT originates on E Lead. ΕA Μ Type IE&M Lead Signaling. Customer at POT or customer's end user at POT originates on M Lead. Type II E&M Lead Signaling. Customer at POT or customer's EΒ Е end user at POT originates on E Lead. Type II E&M Lead Signaling. Customer at POT or customer's EΒ Μ end user at POT originates on M Lead. EC Type III E&M signaling at customer POT tandem channel unit signaling for loop start or ground start ΕX А and customer supplies open end (dial tone, etc.) functions ΕX tandem channel unit signaling for loop start or ground start В and customer supplies closed end (dial pulsing, etc.) functions

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EFFECTIVE: February 7.2002

ISSUED: January 7,2002 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 (D) (D)

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7. Special Access Service (Cont'd)

- 7.3 Channel Interface and Network Channel Codes (Cont'd)
 - 7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

Code	Option	Definition	
DS	63	6.312 Mbps (DS2) CANCEIT L	
DU	63L	6.312 Mbps (DS2) with SF signaling	
DU	24	digital access interface 2.4 kbps	
	24 48	4.8 kbps	
	40 56	2.4 kbps 4.8 kbps 56.0 kbps By $f - P3$	
	56 64		
	04 96	64.0 kbps ?ut:m:: Service Comn ·U·● 9.6 kbps MISSOURI	
	90 A	1.544 Mbps format	(C)
	В	1.544 Mbps format plus 04	(0)
	C C	1.544 Mbps format plus extended framing format	(C)
	D	1.544 Mbps format plus 04 with BBZS clear channel	(0)
	D	capability	(N)
	S	1.544 Mbps using BBZS line code and extended framing	()
	5	format	
DX		duplex signaling interface at customer's point of termination	(N)
DY		duplex signaling interface at customer's end user's point of	()
		termination	
EA	Е	Type I E&M Lead Signaling. Customer at POT or customer's	
		end user at POT originates on E Lead.	
EA	М	Type E&M Lead Signaling. Customer at POT or customer's	
		end user at POT originates on M Lead.	
EB	Е	Type II E&M Lead Signaling. Customer at POT or customer's	
		end user at POT originates on E Lead.	
EB	Μ	Type II E&M Lead Signaling. Customer at POT or customer's	
		end user at POT originates on M Lead.	
EC		Type III E&M signaling at customer POT	
EX	А	tandem channel unit signaling for loop start or ground start	
		and customer supplies open end (dial tone, etc.) functions	
EX	В	tandem channel unit signaling for loop start or ground start	
		and customer supplies closed end (dial pulsing, etc.) functions	

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7. Special Access Service (Cont'd)

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- 7.3 Channel Interface and Network Channel Codes (Cant'd) MISSOURI
 - 7.3.1 Glossary of Channel Interface Codes and ptiou]:-(C"t" rn Id

	Code Opti	on Definition
	DS - 63 - 63L DU	6.312 Mbps (DS2) 6.312 Mbps (DS2) with SF signaling digital access interface
	- 24 - 48	2.4 kbps 4.8 kbps
	- 56	56.0 kbps
	- 64	64.0 kbps (Nf
	- 96	9.6 kbps
	A	1.544 Mbps format per PUB 41451
	В	1.544 Mbps format per PUB 41451 plus D4
	С	1.544 Mbps format per PUB 41451 plus extended framing format
	DX	duplex signaling interface at customer's
		point of termination
	DY	duplex signaling interface at customer's
		end user's point of termination
	EA E	Type ■ E&M Lead Signaling.customer at POT or customer's end user at POT
		originates on E Lead.
	EA M	Type E&M Lead Signaling. Customer at
		POT or customer's end user at POT
		originates on M Lead. Type ∎∎E&M Lead Signaling. Customer at
	EB E	POT or customer's end user at POT
		originates on E Lead.
	EB M	Type IIE&M Lead Signaling. Customer at
		POT or customer's end user at POT
		originates on M Lead.
	EC	Type IIIE&M signaling at customer POT
	EX A	tandem channel unit signaling for loop
		start or ground start and customer
		supplies open end (dial tone, etc.)
CANCEUED	_	functions
CANCEUED	EX B	tandem channel unit signaling for loop
DEC 2 9 2000		start or ground start and CUSRLED suppl es closed end (dial pul ·) funct1.ons

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December 7, 1995 BY: John L. Roe Vice President - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211

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7. <u>Special Access Service</u> (Cont'd)

- 7.3 Channel Interface and Network Channel Codes (Cont'd) H.3. FUSIIG CERNICE COLAR.
 - 7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

.£Q‼.!t	Option	Definition
DS	63	6.312 Mbps (DS2)
DU	63L	6.312 Mbps (DS2)with SF signaling digital access interface
DO	24	2.4 kbps
	48	4.8 kbps
	56	56.0 kbps
	96	9.6 kbps
	А	1.544 Mbps format per PUB 41451
	В	1.544 Mbps format per PUB 41451 plus D4
	c	1.544 Mbps format per PUB 41451 plus extended
DV		framing format
DX		duplex signaling interface at customer's point of termination
DY		duplex signaling interface at customer's end
DI		user's point of termination
EA	Е	Type I E&M Lead Signaling. Customer at POT or
	L	customer's end user at POT originates on E Lead.
EA	Μ	Type I E&M Lead Signaling. Customer at POT or
		customer's end user at POT originates on M Lead.
EB	E	Type II E&M Lead Signaling. Customer at POT or
		customer's end user at POT originates on E Lead.
EB	Μ	Type II E&M Lead Signaling. Customer at POT or
		customer's end user at POT originates on M Lead.
EC		Type III E&M signaling at customer POT
EX	A	tandem channel unit signaling for loop start or
		ground start and customer supplies open end
EX	В	(dial tone, etc.) functions tandem channel unit signaling for loop start or
ĽA	D	ground start and customer supplies closed end
		(dial pulsing, etc.) functions

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ISSUED: September 17, 1992 BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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7. Special Access Service (Cont'd) RECT) FEB 0 9 2000

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

oetion Definition

GO	ground start loop signaling - open end function by customer or
GS	customer's end user ground start loop signaling - closed end function by customer or customer's end user
IA LA	E. I.A. (25 pin RS-232) end user loop start loop signaling -
LB	Type A OPS registered port open end end user loop start loop signaling -
	Type B OPS registered port open end
LC	end user loop start loop signaling - Type C OPS registered port open end
LO	loop start loop signaling - open end function by customer or customer's end user
LR	20 Hz automatic ringdown interface at customer POT with Telephone Company provided PLAR
LS	loop start loop signalinQ - closed end function by customer or
NO	customer's end user no signaling interface, transmission only
1?G	program transmission - no de signaling
	nominal frequency from 200 to 3500 Hz
4	nominal frequency from 100 to 5000 Hz
5	nominal fequency from 50 to 8000 Hz
PR RV (protective relaying* reverse battery signaling, one way operation, originate by customer
1	operation, originate by customer reverse battery signaling, one way operation, terminate function by customer or customer's end user
Sf	single frequency signaling with Vf band at either customer POT or customer's end user POT
TE' TT	telephotograph interface teletypewriter interface at either customer POT or customer's end user POT

Available only for the transmission of audio tone protective signals used in the protection of electric power systems during fault conditions.



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Richard D. Lawson february 9, 2000 State Executive, External Affairs

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7. <u>Special Access Service</u> (Cont'd)

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- 7.3 Channel Interface and Network Channel Codes (Cont'd)
 - 7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

	Code	Option	Definition
	GO		ground start loop signaling - open end function by customer or customer's end user
	GS		ground start loop signaling - closed end function by customer or customer's end user
	IA		E.I.A. (25 pin RS-232)
	LA		end user loop start loop signaling - Type A OPS registered port open end
	LB		end user loop start loop signaling - Type B OPS registered port open end
	LC		end user loop start loop signaling - Type C OPS registered port open end
	LO		loop start loop signaling - open end function by customer or customer's end user
	LR		20 Hz automatic ringdown interface at customer POT with Telephone Company provided PLAR
	LS		loop start loop signaling - closed end function by customer or customer's end user
	NO		no signaling interface, transmission only
	PG		program transmission - no de signaling
		1	nominal. frequency from 50 to 15000 Hz
		3	nominal frequency from 200 to 3500 Hz
		5	nominal frequency from 100 to 5000 Hz
		8	nominal frequency from 50 to 8000 Hz
CANCELLED	PR		protective relaying*
CANCELLED	RV	0	reverse battery signaling, one way operation, originate by customer
MAR 1 0 2000		Т	reverse battery signaling, one way operation,
			terminate function by customer or customer's end
L' 15j:: 1 3 <i>?3</i>			user
Public service CommiSSIOr MISSOURI			single frequency signaling with VF band at either customer POT or customer's end user POT
	TF		telephotograph interface
	TT		telegraph/teletypewriter interface at either customer POT or customer's end user POT

* Available only for the transmission of audio tone protective signals used in the protection of electric power systems during fault conditions.

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ISSUED: September 17, 1992 BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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7. <u>SpecialAccess Service</u> (Conl'd)

- 7.3 Channel Interface and Network Channel Codes (Cont'd)
 - 7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

Code Option Definition

TT 2 20.0 milliamperes 3 3.0 milliamperes 6 62.5 milliamperes

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ISSUED: July 2,2002 Richard D. Iawson State Executive, External Affairs 319 Madison Jefferson City,MO 65101

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- 7. Special Access Service (Cont'd)
 - Channel Interface and Network Channel Codes (Cont'd) 7.3
 - Glossary of Channel Interface Codes and Options (Cont'd) 7.3.1

Code	Option	Definition	
n	2 3 6	20.0 milliamperes 3.0 milliamperes 62.5 milliamperes	
TV	1 2 5	television interface combined (diplexed) video and one audio signal combined (diplexed) video and two audio signals video plus up to four audio 5 kHz signal(s) or one (or two)	(C)
	15	two wire video plus <i>up to four</i> audio 15kHz signal(s)	(C)

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ISSUED: November 29, 2000

Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101

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7. Special Access Service (Cont'd)

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- 7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

Code	o:etion	Definition
TT	2	20.0 milliamperes
	3	3.0 milliamperes
	6	62.5 milliamperes
TV		television interface
	1	combined (diplexed) video and one
		audio signal
	2	combined (diplexed) video and two
		audio signals
	5	video plus one (or two) audio 5 kHz
		signal(s) or one (or two) two wire
	15	video plus one (or two) audio 15 kHz
		signal(s)

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Richard D. Lawson September 10, 1999 State Executive, External Affairs

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7. <u>Special Access Service</u> (Cont'd)

Code <u>Option</u>

- 7.3 Channel Interface and Network Channel Codes (Cont'd)
 - 7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

Definition

		2011110101
TT	2	20.0 milliamperes
	3	3.0 milliamperes
	6	62.5 milliamperes
TV		television interface
	1	combined (diplexed) video and one audio signal
	2	combined (diplexed) video and two audio signals
	5	video plus one (or two)audio 5 kHz signal(s)or
		one (or two)two wire
	15	video plus one (or two)audio 15 kHz signal(s)
WA		wideband bandwidth interface at customer's end
	_	user POT
	1	limited bandwidth
	2	nominal passband from 29000 to 44000 Hz
	105	wideband data interface at customer POT
	185	18.75 kbps, synchronous
	19A	up to 19.2 kbps, asynchronous
	19S	19.2 kbps, synchronous
	23A	up to 230.4 kbps, asynchronous
	23S 40S	230.4 kbps, synchronous
		40.8 kbps, synchronous
	50A 50S	up to 50.0 kbps, asynchronous
we	505	50.0 kbps, synchronous wideband data interface at customer's end user
WC		POT
	18	18.75 kbps, synchronous
	19	for 12-wire interface: 19.2 kbps, synchronous
	19	for 10-wire interface: up to 19.2 kbps,
		asynchronous
	23	up to 230.4 kbps, asynchronous
	23S	230.4 kbps, synchronous
		····

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7.3.2 Impedance

The nominal reference impedance with which the channel will be terninated for the purpose of evaluating transmission performance:

Value (ohms)	Code(s}
110	0
150	1
600	2
900	3+
135	5
75	6
1211.	7
Va iable	8
100	9

For those interface codes with a $4\operatorname{-wire}$ transmission path at the customer designated POT, rather than a standard 900 ohm impedance, the code (3) denotes a customer provided transmission equipment termination. Such terminations were provided to customers in accordance with F.C.C. Docket No. 20099 Settlement Ag eement.

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- 7. Special Access Service (Cont'd)
 - 7.3 <u>Channel Interface and Network Channel Codes</u> (Cont'd)
 - 7.3.1 Glossary of Channel Interface Codes and Options (Cont'd)

Code <u>Option</u>	Definition
we 40 50	40.8 kbps, synchronous for 12-wire interface: 50.0 kbps, synchronous for 10-wire interface: up to 50.0 kbps, asynchronous
WD 1 <i>Z</i> 3	wideband bandwidth interface at customer.POT nominal passband from 300 to 18000 Hz nominal passband from <i>z8000</i> to 44000 Hz nominal passband from 29000 to 44000 Hz

7.3.Z Impedance

The nominal reference impedance with which the channel will be terminated for the purpose of evaluating transmission performance:

Value (ohms)	Code(sl
110	0
150	1
600	2
900	3+
135	5
75	6
124	7
Variable	8
100	9

+ For those interface codes with a 4-wire transmission path at the customer designated POT, rather than a standard 900 ohm impedance, the code (3) denotes a customer provided transmission equipment termination. Such terminations were provided to customers in accordance with F.C.C. Docket No. Z0099 Settlement Agreement.

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7. Special Access Service (Cont'd)

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- 7.3 <u>ChannelInterface and Network Channel Codes</u> (Cont'd) tdr VICeJo,nrn,ssion
 - 7.3.3 Digital Hierarchy Channel Interface Codes {4DS}

Customers selecting the multiplexed four-wire DS1 or higher facility interface option at the customer designated premises will be requested to provide subsequent system and channel assignment data. The various digital bit rates in the digital hierarchy employ the channel interface code 4DS9, 4DS0 or 4DS6, plus the speed option is indicated

4DS6, plus the speed option is indicated below:

Interface Code Digital	Nominal Bit		
and Speed Option	Rate (Mbps)	Hierarchy Level	
4DS9-15 4DS9-31	1.544 3.152	DS1 DS1C	
4DS6-44	44.736	DS3	(D)
4030-44	44.750	000	(D)

Service Designator/Network Channel Code Conversion Table

The purpose of this table is to show the relationship between the service designator codes (e.g., VGC, DA1, etc.) and the network channel codes that are used for various administrative purposes:

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7. Special Access Service (Cont'd)

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- 7.3 Channel Interface and Network Channel Codes (Cont'd)
 - 7.3.3 Digital Hierarchy Channel Interface Codes {4DS)

Customers selecting the multiplexed four-wire DS1 or higher facility interface option at the customer designated premises will be requested to provide subsequent system and channel assignment data. The various digital bit rates in the digital hierarchy employ the channel interface code 4DS9, 4DS0 or 4DS6, plus the speed option is indicated below:

Interface Code	Nominal Bit	Digital
and Speed Option	Rate {Mbps)	Hierarchy Level
4DS9-15	1.544	DS1
4DS9-31	3.152	DS1C
4DS0-63	6.312	DS2
4DS6-44	44.736	DS3
4DS6-27	274.176	DS4

7.3.4 Service Designator/Network Channel Code Conversion Table

The purpose of this table is to show the relationship between the service designator codes (e.g., VGC, DAl, etc.) and the network channel codes that are used for various administrative purposes:

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7. <u>Special Access Service</u> (Cont'd)

- 7.3 Channel Interface and <u>Network</u> Channel Codes (Cent'd)1......; **r r c**"- **r c**-**r · r w**...**d**.
 - 7.3.3 Digital Hierarchy Channel Interface Codes C4DS)

Customers selecting the multiplexed four-wire DS1 or higher facility interface option at the customer designated premises will be requested to provide subsequent system and channel assignment data. The various digital bit rates in the digital hierarchy employ the channel interface code 4DS9, 4DS0 or 4DS6, plus the speed option is indicated below:

Interface Code and Speed Option	Nominal Bit <u>Rate</u> CMbpsl	Digital Hierarchy <u>Level</u>
4DS9-15	1.544	DS1
4DS9-31	3.152	DS1C
4DS0-63	6.312	DS2
4DS6-44	44.736	DS3
4DS6-27	274.176	DS4

7.3.4 Service Designator/Network Channel Code Conversion Table

The purpose of this table is to show the relationship between the service designator codes (e.g., VGC, TGl, etc.) and the network channel codes that are used for various administrative purposes:

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7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.4 Service Designator/Network Channel Code Conversion Table (Cant d)

Service Designator Code	Network Channel Code	
		(D)
		(D)
VGC	τO	
VGL	LQ LB	
VG2	LC	
VG3	LD	
VG4	LE	
VGS	LF	
VG6	LG	
VG7	LH	
VGB VG9	LJ	
VGJO	LK LN	
VG10 VG11	LP	
VG12	LR	
APC	PQ	
AP1	PE	
AP2	PF	
AP3	PJ	
AP4	PK	
TVC	TQ	
TV1 TV2	TV TW	
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7. <u>Special Access Service</u> (Cont'd)

7.3 <u>Channel Interface and Network Channel Codes</u> (Cont'd)'

7.3.4 Service Designator/Network Channel Code Conversion Table (Cont'd)

Service Designator Code	Network Channel Code
MTC	MQ
MTL	NT
MT2	NU
MT3	NV
TGC	NQ
TG1	NW
TG2	NY
VGC	LQ
VG1	LB
VG2	LC
VG3	LD
VG4	LE
VG5	LF
VG6	LG
VG7	LH
VG8	LJ
VG9	LK
VG10	LN
VGll	LP
VG12	LR
APC	PQ
AP1	PE
AP2	PF
AP3	PJ
AP4	PK
TVC	TQ
TV1	TV
TV2	TW

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- Special Access Service (Cont'd) 7.
 - 7.3 Channel Interface and Network Channel Codes (Cont'd)
 - 7.3.4 Service Designator/Network Channel Code Conversion Table (Cont'd)

Service Designator	Network Channel
Code	Code
DAl	XA
DA2	XB
DA3	XG
DA4	XH
HCO	BS
HCl	HC
HClC	HD
HC2	HE
HC3	HF
HC4	HG
WAL	SE

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Nice Commission 7. Special Access Service (Cont'd) Channel Intecface and Network Channel. Codes (Cont Eil, !J · · !) [. 02' • ■ } · · It ;j.J.... 7.3 7.3.5 Compatible Channel Interfaces The following tables show the channel interface codes {Cis) which are compatible: (A) Reserved For Future Use (C) (D)

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7. <u>Special Access Service</u> (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces

The following tables show the channel interface codes (Cis) which are compatible:

CA) Metallic

Compatible <u>Cis</u> C

Compatible <u>Cis</u>

4AH5-B	2DC8 1	4AH6-D	2DC8-2
4AH5-B	2DC8-2	2DC8-1	2DC8-2
4анб-с	2DC8-1	2DC8-3	2DC8-3
4АН6-С	2DC8-2	4DS9-*	2DC8-1
4AH6-D	2DC8-1	4DS9-*	2DCB-2

* See 7.3.3 preceding for explanation.



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7. Special Access Service (Cont'd)

- REC'O FEB 0 9 2000
- 7.3 Channel Interface and Network Channel Codes {Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(B) Reserved For Future Use

(D)

(C)

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7. Special Access Service (Cont'd) SEP 1 / 1932

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

Compatible Cis		Compatible <u>Cis</u>		Compatible <u>Cis</u>	
4AH5-B 4AH5-B	lolas 2TT2-2	4AH6-D 4AH6-D 4AH6-D 4AH6-D	2TT2-2 4TT2-2 2TT2-6 4TT2-6		
4AH5-B 4AH5-B 4AH5-B	4TT2-2 2TT2-6 4TT2-6	2DB2-10 2DB2-10 2DB2-10 2DB2-43+ 2DB2-43+	10LA8 2TT2-2 4TT2-2 10LA8 2TT2-2	4DS9-* 4DS9-* 4DS9-* 4DS9-* 4DS9-*	10LAS 2TT2-2 4TT2-2 2TT2-6 4TT2-6
4AH6-C 4AH6-C 4AH6-C 4AH6-C 4AH6-C 4AH6-D	10IAS 2TT2-2 4TT2-2 2TT2-6 4TT2-6 10IAB	2DB2-43+ 2DB2-43+ 4DB2-10 4DB2-10 4DB2-10 4DB2-43+ 4DB2-43+ 4DB2-43+	2TT2-6 4TT2-2 10IA8 2TT2-2 4TT2-2 10IAS 2TT2-6 4TT2-2	2TT2-2 2TT2-3 2TT2-3 2TT2-6 2TT2-6 4TT2-2 4TT2-6	2TT2-2 2TT2-2 4TT2-2 2TT2-6 4TT2-2 4TT2-2 2TT2-6

* see 7.3.3 preceding for explanation.

+ Supplemental Channel Assignment information required.

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7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade

Compat	ible CIs	Compatib	le CIs	Compatib	le CIs	
4AB2	4AB2					
4AB2	4AC2	4AH5-B	6DA2	4AH6-D	2DY2	
4AB3	4AC2	4AH5-B	4DA2	4AH6-C	9DY2	
4AB2	2AC2	4AH5-B	2DA2	4AH6-C	9DY3	
4AB3	2AC2			4AH6-C	6DY2	
2AB2	ZAC2	4AH6-D	4DE2	4AH6-C	6DY3	
2AB3	2AC2	4AH6-C	4DE2	4AH6-C	4DY2	
		4AH5-B	4DE2	4AH6-C	2DY2	
4AB2	4SF2	4AH6-D	2DE2	4AH5-B	9DY2	
4AB3	4SF2	4AH6-C	2DE2	4AH5-B	9DY3	
		4AH5-B	2DE2	4AH5-B	6DY2	
4AH6-D	4AC2			4AH5-B	6DY3	
4AH6-D	2AC2	4AH6-D	4DX3	4AH5-B	4DY2	
4AH6-C	4AC2	4AH6-C	4DX3	4AH5-B	2DY2	
4AH6-C	2AC2	4AH5-B	4DX3			
4AH5-B	4AC2	4AH6-D	4DX2	4AH6-D	9EA2	
4AH5-B	2AC2	4AH6-C	4DX2	4AH6-D	9EA3	
		4AH5-B	4DX2	4AH6-D	6EA2-E	
4AH6-D	2CT3			4AH6-D	6EA2-M	
4AH6-C	2CT3	4AH6-D	9DY2	4AH6-D	4EA2-E	
4AH5-B	2073	4AH6-D	9DY3	4AH6-D	4EA2-M	
4AH6-D	6DA2	4AH6-D	6DY2	4AH6-C	9EA2	
4AH6-D	4DA2	4AH6-D	6DY3	4AH6-C	9EA3	
4AH6-D	2DA2	4AH6-D	4DY2	4AH6-C	6EA2-E	
4AH6-C	6DA2					
4AH6-C	4DA2					
4AH6-C	2DA2					

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) <u>Voice Grade</u> (Cont'd)

Compat:	ible CIs	<u>Compati</u>	ble CIs	Compatible	CIS
4AH6-C	6EA2-M	4AH6-D	6GS2	4AH6-D	21.02
4AH6-C	4EA2-E	4AH6-D	4GS2	4AH6-C	2L03
4AH6-C	4EA2-M	4AH6-D	2GS3	4AH6-C	2L02
4AH5-B	9EA2	4AH6-D	2GS2	4AH5-B	2L03
4AH5-B	9 <u>E</u> A3	4AH6-C	6GS2	4AH5-B	2LOZ
4AH5-B	6EA2-E	4AH6-C	4GS2		
4AH5-B	6EA2-M	4AH6-C	2GS3	4AH6-D	4LR2
4AH5-B	4EA2-E	4AH6-C	2GS2	4AH6-D	2LR2
4AH5-B	4EA2-M	4AH5-B	6GS2	4AH6-C	4LR2
		4AH5-B	4G52	4AH6-C	2LR2
4AH6-D	8EB2-E	4AH5-B	2GS3	4AH5-B	4LRZ
4AH6-D	BEB2-M	4AH5-B	2GS2	4AH5-B	2LR2
4AH6-D	6EB2-E				
4AH6-D	6EB2-M	4AH6-D	2LA2	4AH6-D	6LS2
4AH6-C	8EB2-E	4AH6-C	2LA2	4AH6-D	4LS2
4AH6-C	8EB2-M	4AH5-B	2LA2	4AH6-D	2L52
4AH6-C	6EB2-E			4AH6-D	2LS3
4AH6-C	6EB2-M	4AH6-D	2LB2	4AH6-C	6LS2
4AH5-B	8EB2-E	4AH6-C	2LB2	4AH6-C	4L52
4AH5-B	SEB2-M	4AH5-B	2LB2	4AH6-C	2LS2
4AH5-B	6EB2-E			4AH6-C	2LS3
4AH5-B	6EB2-M	4AH6-D	2LC2	4AH5-B	6LS2
		4AH6-C	2LC2	4AH5-B	4LS2
4AH6-D	2602	4AH5-B	2LC2	4AH5-B	2LS2
4AH6-D	2G03			4AH5-B	2LS3
4AH6-C	2G02	4AH6-D	2L03		
4AH6-C	2G03				
4AH5-B	2G02				
4AH5-B	2603				

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7. <u>Special Access Service</u> (Cont'd)

- 7.3 Channel Interface and Network Channel Codes (Cont'd)
 - 7.3.5 Compatible Channel Interfaces (Cont'd)

(C) <u>Voice Grade</u> (Cont'd)

Compatible CIs		Compatible CIs		Compatible CIs		
4AH6-D	4N02	4AH6-D	4TF2	2073	6EB2-E	
4AH6-D	2NO2	4AH6-D	2TF2	2CT3	6EB2-M	
4AH6-C	4N02	4AH6-C	4TF2	2CT3	6EB3-E	
4AH6-C	2N02	4AH6-C	2TF2			
4AH5-B	4N02	4AH5-B	4TF2	2CT3	8EB2-E	
4AH5-B	2N02	4AH5-B	2TF2	2CT3	8EB2-M	
		2CT3	2CT3			
4AH6-D	4PR2	2CT3	4DS9-*	2CT3	8EC2	
4AH6-D	2PR2					
4AH6-C	4PR2	2CT3	6DX2	2CT3	4SF2	
4AH6-C	2PR2	2CT3	4DX2	2CT3	4SF3	
4AH5-B	4PR2	2CT3	4DX3			
4AH5-B	2PR2					
4AH6-D	4RV2-T	2CT3	9DY3			
4AH6-D	2RV2-T	2CT3	6DY3			
4AH6-C	4RV2-T	2CT3	9DY2			
4AH6-C	2RV2-T	2CT3	6DY2			
4AH5-B	4RV2-T	2013	4DY2			
4AH5-B	2RV2-T	2CT3	2DY2			
4AH6-D	4SF2	2013	9EA3			
4AH6-C	4SF2	2CT3	9EA2			
4AH5-B	4SF2	2013	6EA2-E			
4AH6-D	4SF3	2CT3	6EA2-M			
4AH6-C	4SF3	2CT3	4EA2-E			
4AH5-B	4SF3	2CT3	4EA2-M			
	4AH6-D 4AH6-C 4AH6-C 4AH5-B 4AH5-B 4AH5-B 4AH5-B 4AH6-D 4AH6-C 4AH6-C 4AH5-B 4AH6-D 4AH6-C 4AH6-C 4AH6-C 4AH6-C 4AH6-C 4AH6-C 4AH5-B 4AH6-C 4AH5-B 4AH6-C 4AH5-B 4AH6-C 4AH6-C 4AH6-C 4AH6-C 4AH6-C 4AH6-C 4AH6-C 4AH6-C	4AH6-D 4N02 4AH6-D 2N02 4AH6-C 4N02 4AH6-C 2N02 4AH5-B 4N02 4AH5-B 4N02 4AH5-B 2N02 4AH5-B 2N02 4AH5-B 2N02 4AH6-D 4PR2 4AH6-C 4PR2 4AH6-C 4PR2 4AH5-B 4PR2 4AH5-B 4PR2 4AH5-B 4PR2 4AH5-B 4PR2 4AH5-B 4PR2 4AH5-B 2PR2 4AH5-B 2PR2 4AH5-B 2PR2 4AH5-B 2RV2-T 4AH6-C 2RV2-T 4AH5-B 4RV2-T 4AH5-B 2RV2-T 4AH5-B 2RV2-T 4AH5-B 2RV2-T 4AH5-B 2RV2-T 4AH5-B 4RV2-T 4AH5-B 4RV2-T 4AH5-B 4RV2-T 4AH5-B 4SF2 4AH6-C 4SF2 4AH5-B 4SF2	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	4AH6-D 4N02 4AH6-D 4TF2 4AH6-C 2N02 4AH6-C 2TF2 4AH6-C 4N02 4AH6-C 4TF2 4AH6-C 2N02 4AH6-C 4TF2 4AH6-C 2N02 4AH6-C 2TF2 4AH5-B 4N02 4AH5-B 4TF2 4AH5-B 2N02 4AH5-B 2TF2 4AH5-B 2N02 4AH5-B 2TF2 4AH6-D 2PR2 2CT3 4DS9-* 4AH6-C 4PR2 2CT3 6DX2 4AH6-C 2PR2 2CT3 4DX2 4AH6-C 2PR2 2CT3 4DX3 4AH5-B 2PR2 2CT3 4DX3 4AH5-B 2PR2 2CT3 4DX3 4AH5-B 2PR2 2CT3 4DX3 4AH6-D 2RV2-T 2CT3 6DY3 4AH6-C 4RV2-T 2CT3 6DY2 4AH6-C 2RV2-T 2CT3 6DY2 4AH6-C 2RV2-T 2CT3 4DY2 4AH5-B 2RV2-T 2CT3 4DY2 </td <td>4AH6-D 4N02 4AH6-D 4TF2 2CT3 4AH6-D 2N02 4AH6-D 2TF2 2CT3 4AH6-C 4N02 4AH6-C 4TF2 2CT3 4AH6-C 2N02 4AH6-C 4TF2 2CT3 4AH5-B 4N02 4AH5-B 4TF2 2CT3 4AH5-B 2N02 4AH5-B 2TF2 2CT3 4AH5-B 2N02 4AH5-B 2TF2 2CT3 4AH6-D 4PR2 2CT3 4DS9-* 2CT3 4AH6-D 2PR2 2CT3 6DX2 2CT3 4AH6-C 4PR2 2CT3 6DX2 2CT3 4AH6-C 4PR2 2CT3 4DX3 2CT3 4AH6-C 2PR2 2CT3 4DX2 2CT3 4AH6-C 2PR2 2CT3 4DX3 2CT3 4AH6-D 4RV2-T 2CT3 4DX3 2CT3 4AH6-D 4RV2-T 2CT3 9DY3 4AH6-C 4RV2-T 2CT3 4AH6-C 2RV2-T 2CT3 4DY2 2CT3 4AH6-C</td>	4AH6-D 4N02 4AH6-D 4TF2 2CT3 4AH6-D 2N02 4AH6-D 2TF2 2CT3 4AH6-C 4N02 4AH6-C 4TF2 2CT3 4AH6-C 2N02 4AH6-C 4TF2 2CT3 4AH5-B 4N02 4AH5-B 4TF2 2CT3 4AH5-B 2N02 4AH5-B 2TF2 2CT3 4AH5-B 2N02 4AH5-B 2TF2 2CT3 4AH6-D 4PR2 2CT3 4DS9-* 2CT3 4AH6-D 2PR2 2CT3 6DX2 2CT3 4AH6-C 4PR2 2CT3 6DX2 2CT3 4AH6-C 4PR2 2CT3 4DX3 2CT3 4AH6-C 2PR2 2CT3 4DX2 2CT3 4AH6-C 2PR2 2CT3 4DX3 2CT3 4AH6-D 4RV2-T 2CT3 4DX3 2CT3 4AH6-D 4RV2-T 2CT3 9DY3 4AH6-C 4RV2-T 2CT3 4AH6-C 2RV2-T 2CT3 4DY2 2CT3 4AH6-C	

* See 7.3.3 preceding for explanation.

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7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) <u>Voice Grade</u> (Cont'd)

Compat:	ible CIs	Compati	ble CIs
		4DS9-*	4AC2
		4DS9-*	2AC2
		4D59-*	6DA2
		4DS9-*	4DA2
		4DS9-*	2DA2
6DA2	6DA2	4D59-*	4DE2
6DA2	4DA2	4DS9-*	2DE2
6DA2	2DA2		
4DA2	4DA2		
4DA2	2DA2		
2DA2	2DA2		
		4DS9-*	4DX3
4DB2	6DA2	4DS9-*	4DX2
4DB2	4DA2		
4DB2	2DA2	4DS9-*	9DY3
2DB3	2DA2	4DS9-*	9DY2
2DB2	2DA2	4DS9-*	6DY3
4DB2	4DB2	4DS9-*	6DY2
4DB2	4N02	4DS9-*	4DY2
4DB2	2NO2	4DS9-*	2DY2
2DB2	2NO2		
		4DS9-*	9EA2
4DB2	4PR2	4DS9-*	9EA3
4DB2	2PR2	4DS9-*	6EA2-E
2DB2	2PR2	4DS9-*	6EA2-M
		4DS9-*	4EA2-E
4DD3	4DE2	4DS9-*	4EA2-M
4DD3	2DE2		

* See 7.3.3 preceding for explanation.

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7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) <u>Voice Grade</u> (Cont'd)

Compatible CIs		Compatible CIs		Compatible CIs	
4DS9-*	SEB2-E	4DS9-*	4N02	4DX3	9DY2
4DS9-*	SEB2-M	4DS9-*	2N02	4DX2	6DY3
4DS9-*	SEB2-E			4DX3	6DY3
4D59-*	6EB2-M	4DS9-*	4PR2	4DX2	6DY2
		4DS9-*	2PR2	4DX3	6DY2
4DS9-*	2G02			4DX2	4DY2
4DS9-*	2G03	4DS9-*	4RV2-T	4DX3	4DY2
4DS9-*	6GS2	4DS9-*	2RV2-T	4DX2	2DY2
4DS9-*	4GS2			4DX3	2DY2
4DS9-*	2GS2	4D59-*	4SF2		
4DS9-*	2GS3	4DS9-*	4SF3	6DX2	9EA3
				6DX2	9EA2
4DS9-*	2LA2	4DS9-*	4TF2	6DX2	6EA2-E
		4DS9-*	2TF2	6DX2	6EA2-M
4DS9-*	2LB2	Conserve		6DX2	4EA2-E
		4DX2	4DX2	6DX2	4EA2-M
4DS9-*	2LC2	4DX3	4DX2	4DX2	9EA2
		4DX3	4DX3	4DX3	9EA2
4DS9-*	2L02			4DX2	9EA3
4DS9-*	2L03	6DX2	9DY3	4DX3	9EA3
		6DX2	9DY2	4DX2	6EA2-E
4DS9-*	4LR2	6DX2	6DY3	4DX3	6EA2-E
4DS9-*	2LR2	6DX2	6DY2	4DX2	6EA2-M
		6DX2	4DY2	4DX3	6EA2-M
4DS9-*	6LS2	6DX2	2DY2	4DX2	4EA2-E
4DS9-*	4LS2	4DX2	9DY3	4DX3	4EA2-E
4DS9-*	2LS2	4DX3	9DY3	4DX2	4EA2-M
4DS9-*	2LS3	4DX2	9DY2	4DX3	4EA2-M

* See 7.3.3 precedng for explanation.

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7. <u>Special Access Service</u> (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) <u>Voice Grade</u> (Cont'd)

Compa	tible CIs	Compat.	ible CIs	Compatible	e CIs
6DX2	8EB2-E	4DX2	6LS2	9DY2	6DY3
6DX2	8EB2-M	4DX3	6LS2	9DY3	4DY2
6DX2	6EB2-E	4DX3	4LS2	9DY2	4DY2
6DX2	6EB2-M	4DX2	4LS2	9DY2	2DY2
4DX2	SEB2-E	4DX3	2LS3	9DY3	2DY2
4DX2	8EB2-M	4DX2	2L53	6DY3	6DY3
4DX3	8EB2-E	4DX3	2LS2	6DY3	6DY2
4DX3	SEB2-M	4DX2	2L52	6DY2	6DY2
4DX2	6EB2-E	2DX3	2LS2	6DY3	4DY2
4DX2	6EB2-M	2DX3	2LS3	6DY3	2DY2
4DX3	6EB2-E			6DY2	4DY2
4DX3	6EB2-M	4DX3	4RV2-T	6DY2	2DY2
		4DX2	4RV2-T	4DY2	2DY2
4DX2	2LA2	4DX3	2RV2-T	4DY2	4DY2
4DX3	2LA2	4DX2	2RV2-T	2DY2	2DY2
2DX3	2LA2			6EA2-E	4AC2
		6DX2	4SF2	6EA2-M	4AC2
4DX2	2LB2	4DX2	4SF2	6EA2-E	2AC2
4DX3	2LB2	4DX3	4SF2	6EA2-M	2AC2
2DX3	2LB2	4DX2	4SF3		
		4DX3	4SF3	9EA2	9DY3
4DX2	2LC2			9EA2	9DY2
4DX3	2LC2	9DY3	9DY3	9EA2	6DY3
2DX3	2LC2	9DY3	9DY2	9EA2	6DY2
		9DY2	9DY2	9EA2	4DY2
4DX2	2L03	9DY3	6DY3	9EA2	2DY2
4DX3	2L03	9DY3	6DY2	9EA3	9DY3
2DX3	2L03	9DY2	6DY2		

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7. <u>Special Access Service</u> (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) Voice Grade (Cont'd)

Compatible CIs		Compatible CIs		<u>Compatible CIs</u>		
9EA3	9DY2	4EA2-M	9DY2	4EA3-E	9EA2	
9EA3	6DY3	4EA2-M	6DY3	4EA3-E	9EA3	
9EA3	6DY2	4EA2-M	6DY2	4EA2-M	4EA2-M	
9EA3	4DY2	4EA2-M	4DY2			
9EA3	2DY2	4EA2-M	2DY2	9EA2	8EB2-E	
6EA2-E	9DY3			9EA2	BEB2-M	
6EA2-E	9DY2	9EA2	9EA2	9EA2	6EB2-E	
6EA2-E	6DY3	9EA2	9EA3	9EA2	6EB2-M	
6EA2-E	6DY2	9EA2	6EA2-E	9EA3	9EB2-E	
6EA2-E	4DY2	9EA2	6EA2-M	9EA3	8EB2-M	
6EA2-E	2DY2	9EA2	4EA2-E	9EA3	6EB2-E	
6EA2-M	9DY3	9EA2	4EA2-M	9EA3	6EB2-M	
6EA2-M	9DY2	9EA3	9EA3	6EA2-E	8EB2-E	
6EA2-M	6DY3	9EA3	6EA2-E	6EAZ-E	8EB2-M	
6EA2-M	6DY2	9EA3	6EA2-M	6EA2-E	6EB2-E	
6EA2-M	4DY2	9EA3	4EA2-E	6EA2-E	6EB2-M	
6EA2-M	2DY2	9EA3	4EA2-M	6EA2-M	BEB2-E	
4EA2-E	9DY3	6EA2-E	6EA2-E	6EA2-M	8EB2-M	
4EA2-E	9DY2	6EA2-E	6EA2-M	6EA2-M	6EB2-E	
4EA3-E	9DY3	6EA2-M	6EA2-M	6EA2-M	6EB2-M	
4EA3-E	9DY2	6EA2-E	4EA2-E	4EA2-E	SEB2-E	
4EA3-E	6DY3	6EA2-E	4EA2-M	4EA2-E	8EB2-M	
4EA3-E	6DY2	6EA2-M	4EA2-E	4EA3-E	9EB2-E	
4EA3-E	4DY2	6EA2-M	4EA2-M	4EA3-E	8EB2-M	
4EA3-E	2DY2	4EA2-E	4EA2-E	4EA2-E	6EB2-E	
4EA2-E	6DY3	4EA3-E	6EA2-E	4EA2-E	6EB2-M	
4EA2-E	6DY2	4EA3-E	6EA2-M	4 EA3-E	6EB2-E	
4EA2-E	4DY2	4EA3-E	4EA2-E	4EA3-E	6EB2-M	
4EAZ-E	2DY2	4EA3-E	4EA2-M	4EA2-M	8EB2-E	
4EAZ-M	9DY3	4EA2-E	4EA2-M			

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7. <u>Special Access Service</u> (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) <u>Voice Grade</u> (Cont'd)

_Compati	ble CIs	Compatib	le CIs	Compatin	ble CIs
4EA2-M	8EB2-M	9EA3	4SF2	6EB3-E	9DY2
4EA2-M	6EB2-E	9EA2	4SF2	6EB3-E	9DY3
4EA2-M	6EB2-M	6EA2-E	4SF3	6EB2-E	6DY2
		6EA2-M	4SF3	6EB3-E	6DY2
6EA2-E	2LA2	6EA2-E	4SF2	6EB2-E	6DY3
6EA2-M	2LA2	6EA2-M	4SF2	6EB3-E	6DY3
		48A3-E	4SF2	6EB2-E	4DY2
6EA2-E	2LB2	4EA2-E	4SF2	6EB3-E	2DY2
6EA2-M	2LB2	4EA2-M	4SF2	6EB3-E	4DY2
				6EB2-M	9DY2
6EA2-E	2LC2	8EB2-E	4AC2	6EB2-M	9DY3
6EA2-M	2LC2	8EB2-M	4AC2	6EB2-M	6DY2
		SEB2-E	2AC2	6EB2-M	6DY3
6EA2-E	2L03	8EB2-M	ZAC2	6EB2-M	4DY2
6EA2-M	2L03			6EB2-E	2DY2
		8EB2-E	9DY3	6EB2-M	2DY2
6EA2-E	6LS2	8EB2-E	9DY2		
6EA2-M	6LS2	8EB2-E	6DY3	6EB3-E	9EA2
6EA2-E	4LS2	8EB2-E	6DY2	6EB3-E	9EA3
6EA2-M	4LS2	8EB2-E	4DY2	6EB3-E	6EA2-E
6EA2-E	2LS2	8EB2-E	2DY2	6EB3-E	6EA2-M
6EA2-M	2LS2	8EB2-M	9DY3	6EB3-E	4EA2-E
6EA2-E	2LS3	8EB2-M	9DY2	6EB3-E	4EA2-M
6EA2-M	2LS3	8EB2-M	6DY3		
		SEB2-M	6DY2	8EB2-E	8EB2-E
6EA2-E	4RV2-T	SEB2-M	4DY2	8EB2-E	SEB2-M
6EA2-M	4RV2-T	SEB2-M	2DY2	8EB2-M	8EB2-M
6EA2-E	2RV2-T	6EB2-E	9DY2	8EB2-E	6EB2-E
6EA2-M	2RV2-T	6EB2-E	9DY3	8EB2-E	6EB2-M



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7. <u>Special Access Service</u> (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(C) <u>Voice Grade</u> (Cont'd)

Compatible CIs		Compatible CIs		<u>Compatible CIs</u>			
	8EB2-M	6EB2-E	8EB2-E	4RV2-T	8EC2	8EB2-M	
	8EB2-M	6EB2-M	8EB2-M	4RV2-T	SEC2	6EB2-E	
	6EB2-E	6EB2-E	SEB2-E	2RV2-T	8EC2	6EB2-M	
	6EB2-E	6EB2-M	8EB2-M	2RV2-T		and a second second second	
	6EB3-E	8EB2-E			8EC2	4SF2	
	6EB3-E	8EB2-M	SEB2-E	4SF2	6EX2-B	2G03	
	6EB2-M	6EB2-M	8EB2-M	4SF2	6EX2-A	6GS2	
			SEB2-E	4SF3	6EX2-A	4G52	
	8EB2-E	2LA2	8EB2-M	4SF3	6EX2-A	2GS2	
	8EB2-M	2LA2	6EB3-E	4SF2	6EX2-A	2GS 3	
			6EB2-E	4SF2			
	SEB2-E	2LB2	6EB2-M	4SF2	6EX2-B	2LA2	
	8EB2-M	2LB2					
			8EC2	9DY2	6EX2-B	2LB2	
	SEB2-E	2LC2	8EC2	9DY3			
P	8EB2-M	2LC2	8EC2	6DY2	6EX2-B	2LC2	
			8EC2	6DY3			
	SEB2-E	2L03	8EC2	4DY2	6EX2-B	2L02	
2	8EB2-M	2L03	8EC2	2DY2	6EX2-B	2L03	
	8EB2-E	6LS2	8EC2	9EA2	6EX2-B	4LR2	
	8EB2-M	6LS2	SEC2	9EA3	6EX2-B	2LR2	
	8EB2-E	4LS2	8EC2	6EA2-E			
	8EB2-M	4LS2	8EC2	6EA2-M	6EX2-A	6LS2	
	8EB2-E	2LS2	8EC2	4EA2-E	6EX2-A	4LS2	
	8EB2-M	2LS2	8EC2	4EA2-M	6EX2-A	2LS2	
	8EB2-E	2LS3			6EX2-A	2LS3	
	BEB2-M	2LS3	8EC2	8EB2-E			

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(C)	Voice	Grade	(Cont'd)
1-1	10200	01440	10000 01

Compati	ble CIs	_Compati	ble CIs	Compatible	CIS
6EX2-A	4SF2	6L02	6LS2	4LR2	4SF2
6EX2-B	4SF2	6L02	4LS2	4LR3	4SF2
		6L02	2LS2		
6G02	6GS2	6L02	2LS3	6LSZ	2LA2
6G02	4GS2	4L02	6LS2	4LS2	2LA2
6G02	2GS2	4L02	4LS2	4LS3	2LA2
6G02	2GS3	4L03	6LS2	2LS2	2LA2
4G02	6GS2	4L03	4LS2	2L53	21.A2
4G03	6GS2	4L03	2LS3		
4G02	4GS2	4L03	2LS2	6LS2	2LB2
4G03	4GS2	41.02	2LS2	4LS2	2LB2
4G02	2GS2	4L02	2LS3	4LS3	2LB2
4G02	2GS3	2L03	2LS3	2LS2	2LB2
4G03	2GS2	2L03	2LS2	2LS3	2LB2
4G03	2G\$3	2L02	2LS2		
2G02	2G52	2102	2LS3	6LS2	2LC2
2G03	2GS2			4LS2	2LC2
2G02	2G\$3	6L02	4SF2	4LS3	2LC2
2G03	2GS3	4L02	4SF2	2LS2	2LC2
		4L03	4SF2	2LS3	2LC2
6G02	4SF2				
4G02	4SF2	4LR3	4LR2	6LS2	2L03
4G03	4SF2	4LR3	2LR2	6LS2	2L02
		4LR2	4LR2	41.52	2L02
6GS2	2G02	4LR2	2LR2	4LS2	2L03
4GS2	4G02	2LR2	2LR2	4LS3	2L02
4GS3	2602	2LR3	2LR2	4LS3	2L03
4GS2	2603				

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7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(C)	Voice	Grada	(Cont'd)
(0)	TUTCE	GLAUE	(conte u)

Compatible CIs		Compatible CIs		<u>Compatible CI</u>		-
6LS2	4SF2	4SF3	9DY2	4SF3	2LA2	
4LS3	4SF2	4SF2	9DY3		1.15	
		4SF3	6DY3	4SF2	2LB2	
4N02	6DA2	4SF2	6DY2	4SF3	2LB2	
4N02	4DA2	4SF2	6DY3			
4N02	2DA2	4SF3	6DY2	4SF2	ZLC2	
2N02	6DA2	4SF2	4DY2	4SF3	2LC2	
2NO2	4DA2	4SF3	4DY2			
2N02	4DE2	4SF3	2DY2	4SF2	2L03	
4N02	2DE2	4SF2	2DY2	4SF3	2L03	
4N02						
4N02	4N02	4SF3	9EA2	4SF2	2LR2	
4N02	2NO2	4SF3	9EA3	4SF3	4LRZ	
2N02	2NO2	4SF3	4EA2-E	4SF3	2LR2	
2N03	2NO2	4SF3	4EA2-M			
Contract of				4SF3	6LS2	
2NO3	2PR2	4SF3	5EB2-E	4SF2	4LS2	
		4SF3	6EB2-M	4SF3	4L52	
4RV2-0	4RV2-T	4SF2	2G03	4SF2	2L52	
4RV2-0	2RV2-T	4SF3	6GS2	4SF2	2L53	
2RV2-0	2RV2-T	4SF2	6GS2	4SF3	2LS2	
		4SF2	4GS2	4SF3	2LS3	
4RV2-0	4SF2	4SF3	4G52			
		4SF2	2G52	4SF3	4RV2-T	
4SF2	4AC2	4SF2	2GS3	4SF2	4RV2-T	
4SF2	2AC2	4SF3	2GS2	4SF2	2RV2-T	
		4SF3	2G53	4SF3	2RV2-T	
4SF3	9DY3					
4SF2	9DY2	4SF2	2LA2	4SF3	4SF3	

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ACCESS SERVICE

7. Special Access Service (Cont'd)

- 7.3 Channel Interface and Network Channel Codes (Cont'd)
 - 7.3.5 Compatible Channel Interfaces (Cont'd)
 - (C) Voice Grade (Cont'd)

Compatible	CIS
4SF3	4SF2
45F2	4SF2
4TF2	4TF2
4TF2	2TF2
2TF3	2TF2

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ACCESS SERVICE

7. Special Access Service (Cont'd)

- 7.3 Channel Interface and Network Channel Codes (Cont'd)
 - 7.3.5 Compatible Channel Interfaces (Cont'd)

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ISSUED: July 2, 2002 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101

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- 7. <u>Special Access Service</u> (Cont'd)
 - 7.3 <u>Channel Interface and Network Channel Codes</u> (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(D) Program Audio

<u>Compatible CIs</u>		Compatible CIs		<u>Compatible CIs</u>	
4AH5-B 4AH5-B 4AH5-B 4AH5-B 4AH5-B 4AH5-B 4AH5-B 4AH6-C 4AH6-C 4AH6-C 4AH6-C	2PG1-3 2PG1-5 2PG1-8 2PG2-3 2PG2-5 2PG2-8 2PG1-3 2PG1-5 2PG1-8 2PG1-8 2PG2-3	4AH6-D 4AH6-D 4AH6-D 4AH6-D 4AH6-D 4AH6-D 4DS8-15E 4DS8-15F 4DS8-15G 4DS8-15H	2PG1-3 2PG1-5 2PG1-8 2PG2-3 2PG2-5 2PG2-8 2PG1-3 2PG1-5 2PG1-8 2PG1-1	4DS8-15F 4DS8-15G 4DS8-15H 2PG2-1 2PG2-1 2PG2-3 2PG2-3 2PG2-5 2PG2-5 2PG2-8	2PG2-5 2PG2-8 2PG2-1 2PG1-1 2PG2-1 2PG1-3 2PG2-3 2PG1-5 2PG2-5 2PG1-8
4АН6-С 4АН6-С	2PG2-5 2PG2-8	4DS8-15E	2PG2-3	2PG2-8	2PG2-8

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- 7. <u>Special Access Service</u> (Cont'd)
 - 7.3 Channel Interface and Network Channel Codes (Cont'd)
 - 7.3.5 Compatible Channel Interfaces (Cont'd)
 - (E) <u>Video</u>

Compatible CIs			Compati	ble CIs	Compatible CIs		
	2TV6-1	4TV6-15	4TV6-5	4TV6-5	6TV6-5	6TV6-5	
	2TV6-1	4TV7-15	4TV6-5	4TV7-5	6TV6-5	6TV7-5	
	2TV6-2	6TV6-15	4TV6-15	4TV6-15	6TV6-15	6TV6-15	
	2TV6-2	6TV7-15	4TV6-15	4TV7-15	6TV6-15	6TV7-15	
	2TV7-1	4TV6-15	4TV7-15	4TV6-15	6TV7-5	6TV6-5	
	2TV7-1	4TV7-15	4TV7-15	4TV7-15	6TV7-5	6TV7-5	
	2TV7-2	6TV6-15	4TV7-5	4TV6-5	6TV7-15	6TV6-15	
	2TV7-2	6TV7-15	4TV7-5	4TV7-5	6TV7-15	6TV7-15	

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ACCESS SERVICE

- 7. <u>Special Access Service</u> (Cont'd)
 - 7.3 Channel Interface and Network Channel Codes (Cont'd)
 - 7.3.5 Compatible Channel Interfaces (Cont'd)
 - (F) <u>Reserved For Future Use</u>



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ACCESS SERVICE

7. Special Access Service (Cont'd)

- 7.3 Channel Interface and Network Channel Codes (Cont d) (1) 51 1 1 1995
 - 7.3.5 Compatible Channel Interfaces (Cont'd)
 - (G) Reserved for Future Use
 - (H) Digital Data

(T)

Compatible CIs		Compatible CIs		Compatible CIs		
4DS9-15	4DS9-15+	4DS8-15	6DU5-48			
4DS9-15	4DU5-24	4DS8-15	6DU5-56	4DU5-96	4DU5-96	
4DS9-15	4DU5-48	4DS8-15	6DU5-96	6DU5-24	6DU5-24	
4DS9-15	4DU5-56	4DU5-24	4DU5-24	6DU5-48	6DU5-48	
4DS9-15	4DU5-96	4DU5-48	4DU5-48	6DU5-56	6DU5-56	
4D59-15	6DU5-24	4DU5-56	4DU5-56	6DU5-96	6DU5-96	

+ Available only as a cross connect of two digital channels at appropriate digital speeds at a Telephone Company Hub.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

- 7.3 Channel Interface and Network Channel Codes (Cont'd)
 - 7.3.5 Compatible Channel Interfaces (Cont'd)
 - (G) <u>Reserved for Future Use</u>
 - (H) <u>United DigiLink</u>

Compatible CIsCompatible CIsCompatible CIs4DS9-154DS9-15+4DS8-156DU5-484DS9-154DU5-244DS8-156DU5-564DU5-964DS9-154DU5-484DS8-156DU5-966DU5-244DS9-154DU5-564DU5-244DU5-246DU5-48

4DS9-154DU5-564DU5-244DU5-246DU5-486DU5-484DS9-154DU5-964DU5-484DU5-486DU5-566DU5-564DS9-156DU5-244DU5-564DU5-566DU5-966DU5-96

- + Available only as a cross connect of two digintal channels at appropriate digital speeds at a Telephone Company Hub.
- Registered service mark of United Telecommunications, Inc.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

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- 7.3 Channel Interface and Network Channel Codes (Contid)) SHE (1996
 - 7.3.5 Compatible Channel Interfaces (Cont'd)
 - (I) High Capacity Service

Compatible CIs Compatible CIs 4DSO-63 4DSO-63 4DS9-15 4DU8-8 4DSQ-63 6DU8-A, B or C 4DS9-15J 6DU8-A 4DSO-63 4DU8-A, B or € 4DS9-15J 4DU8-A 4DS6-27 4DS6-27 4D59-15K 6DU8-8 4DS6-27 6DU8-A,B or C 4DS9-15K 4DU8-B 4DS6-27 4DU8-A, B or C 4DS9-15K 6DU8-C 4DS6-44 4DS6-44 4DS9-15K 4DU8-C 4DS6-44 6DUB-A, B or C 4DS9-31 4DS9-31 4DS6-44 4DU8-A, B or C 4D59-31 6DU8-A, B OR C 4DS9-15 4DS9-15+ 4DS9-31 4DU8-A, B or C 4DS9-15J 4DS9-15J 4DU8-A, B or C 4DU8-A, B or C 4DS9-15K 4D59-15K 4DS9-5 6DU9-B

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ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

Channel Interface and Network Channel Codes (Cont'd)

7.3.5 <u>Compatible Channel Interfaces</u> (Cont'd)

(I) <u>United TransLink[®] and other High Capacity Services</u>

<u>Compatible CIs</u> Compatible CIs 4DS0-63 4DS0-63 4DU8-B 4DS9-15 4DSO-63 6DU8-A,B or C 4DS9-15J 6DU8-A 4DSO-63 4DU8-A, B or C 4DS9-15J 4DU8-A 4DS6-27 4DS6-27 4DS9-15K 6DU8-B 4DS6-27 6DU8-A,B or C 4DS9-15K 4DU8-B 4DS6-27 4DU8-A, B or C 6DU8-C 4DS9~15K 4DS6-44 4DS6-44 4DS9-15K 4DU8-C 4DS6-44 6DU8-A,B or C 4DS9-31 4DS9-31 4DS6-44 4DU8-A, B or C 4DS9-31 6DU8-A,B OR C 4DS9-15 4DS9-15+ 4DS9-31 4DU8-A.B or C 4DS9-15J 4DS9-15J 4DU8-A,B or C 4DU8-A,B or C 4DS9-15K 4DS9-15K 4DS9-15 6DU9-B

Available only as a cross connect of two digital channels at appropriate digital speeds at a Telephone Company Hub.

Registered service mark of United Telecommunications, Inc.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.3 Channel Interface and Network Channel Codes (Cont'd)

7.3.5 Compatible Channel Interfaces (Cont'd)

(J) WATS Access Line (WAL)

Compatible CIs		Compatible CIs		Compatible CIs	
4DS9*	4DS9*	2G03	4DS9*	2RV3-0	4DS9*
4EA3	2CT3	2G03	2652	2RV3-0	6EA2
4EA3	4CT2	2G03	2GS3	2RV3-0	8EB2
4EA3	4D59*	2G03	4GS2	2RV3-0	2RV2-T
4EA3	4EA2			2RV3-0	2RV3-T
4EA3	6EA2	4G02	4DS9*	2RV3-0	4RV2-T
4EA3	8EB2	4G02	2653		
		4G02	2GS3	4RV2-0	4DS9*
6EA2	2CT3	4G02	4G52	4RV2-0	6EA2
6EA2	4CT2			4RV2-0	8EB2
6EA2	4DS9*	2L03	4DS9*	4RV2-0	2RV2-T
6EA2	4EA2	2L03	2LS2	4RV2-0	2RV3-T
6EA2	6EA2	2103	4LS2	4RV2-0	4RVZ-T
6EA2	8EB2				
		4L02	4D59*		
		4102	2LS2		
		4L02	4LS2		

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations

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

7.4.1 Types of Rates and Charges

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

(A) Monthly Rates

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

(B) Reserved for Future Use

(C) Nonrecurring Charges

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

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7. <u>Special Access Service</u> (Cont'd)

7.4 <u>Rate Regulations</u>

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

7.4.1 Types of Rates and Charges

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

(A) <u>Monthly Rates</u>

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

(B) Daily Rates

Daily rates are flat recurring rates that apply to each 24 hour period or fraction thereof that a Program Audio or Video Special Access Service is provided for part-time or occasional use. For purposes of applying daily rates, the 24 hour period is not limited to a calendar day.

The application of daily rates for Program Audio and Video service for consecutive 24-hour periods during a consecutive 30-day period is as follows. Daily rates will be topped at an amount equal to the monthly rate. For each day or part day of usage after the daily rates have been topped, a charge equal to 1/30th of the monthly rate will apply.

Nonrecurring Charges

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

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ACCESS SERVICE

- 7. <u>Special Access Service</u> (Cont'd)
 - 7.4 Rate Regulations (Cont'd)
 - 7.4.1 Types of Rates and Charges (Cont'd)
 - (C) Nonrecurring Charges (Cont'd)
 - (1) Installation of Service

Nonrecurring charges apply to each service installed. The nonrecurring charges for the installation of service are set forth in 7.5 following as a nonrecurring charge for the Channel Termination rate element.

(2) Installation of Optional Features and Functions

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

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

- Voice Grade Data Capability
- Voice Grade Telephoto Capability
- Program Audio Gain Conditioning
- Program Audio Stereo

(3) Service Rearrangements

Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in 5.2.5(E) preceding or a change in the physical location of the point of termination at a customer designated premises. Changes in the type of service or channel termination are treated as disconnects and starts. Changes in the physical location of the point of the termination are treated as moves and are described and charged for as set forth in 7.4.5 following.

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.4 Rate Regulations (Cont'd)
 - 7.4.1 Types of Rates and Charges (Cont'd)
 - (C) Nonrecurring Charges (Cont'd)
 - (3) Service Rearrangements (Cont'd)

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

Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Access Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for Access Service). Administrative changes are as follows:

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

All other service rearrangements will be charged for as follows:

If the change involves the addition of another leg to an existing multipoint service, the nonrecurring

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.4 Rate Regulations (Cont'd)
 - 7.4.1 Types of Rates and Charges (Cont'd)
 - (C) Nonrecurring Charges (Cont'd)
 - (3) Service Rearrangements (Cont'd)
 - charge for the channel termination rate element will apply. The charge will apply only for the leg that is being added.
 - If the change involves the addition of an optional feature or function which has a separate nonrecurring charge, that nonrecurring charge will apply.
 - If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade channel termination rate element nonrecurring charge will apply. The charge will apply per channel termina- (T) tion affected.
 - For all other changes, including the addition of optional features without separate nonrecurring charges, a charge equal to a channel termination rate element nonrecurr- (T) ing charge will apply. Only one such charge will apply per service, per change.
 - 7.4.2 Surcharge for Special Access Service Service
 - (A) General

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In addition to the rates and charges described in 7.4.1 preceding, there is a monthly surcharge that applies to Special Access Service. The Special Access Surcharge compensates the Telephone Company for use of the local exchange network when Special Access Service is connected to a PBX or equivalent device which is capable of interconnecting the Special Access Service with local exchange service.

The Telephone Company will automatically bill the surcharge on each Special Access Service installed irrespective of whether the interconnection capability exists in the customer's premises equipment or in a Centrex-CO type

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Richard D. Lawson State Executive, External Affairs EFFECTIVE: March 10, 2000

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ACCESS SERVICE

- 7. <u>Special Access Service</u> (Cont'd)
 - 7.4 <u>Rate Regulations</u> (Cont'd)
 - 7.4.1 Types of Rates and Charges (Cont'd)
 - (C) <u>Nonrecurring Charges</u> (Cont'd)
 - (3) <u>Service Rearrangements</u> (Cont'd)
 - charge for the service termination rate element will apply. The charge will apply only for the leg that is being added.
 - If the change involves the addition of an optional feature or function which has a separate nonrecurring charge, that nonrecurring charge will apply.
 - If the change involves changing the type of signaling on a Voice Grade service, a charge equal to the Voice Grade channel termination rate element nonrecurring charge will apply. The charge will apply per service termination affected.
 - For all other changes, including the addition of optional features without separate nonrecurring charges, a charge equal to a service termination rate element nonrecurring charge will apply. Only one such charge will apply per service, per change.

7.4.2 Surcharge for Special Access Service

(A) <u>General</u>

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In addition to the rates and charges described in 7.4.1 preceding, there is a monthly surcharge that applies to Special Access Service. The Special Access Surcharge compensates the Telephone Company for use of the local exchange network when Special Access Service is connected to a PBX or equivalent device which is capable of interconnecting the Special Access Service with local exchange service.

The Telephone Company will automatically bill the surcharge on each Special Access Service installed irrespective for whether the interconnection capability exists in the customer's premises equipment or in a Centrex-040 ype7 1992

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Special Access Service (Cont'd)

- 7.4 Rate Regulations (Cont'd)
 - 7.4.2 Surcharge for Special Access Service (Cont'd)
 - (A) General (Cont'd)

switch unless written certification is received from the customer certifying exemption status as set forth in (B) following.

(B) Special Access Surcharge Exemptions

The Special Access Service will be exempted from the surcharge if the customer provides the Telephone Company written certification that the Special Access Channel Termination is one of the following:

- an open-end termination in a Telephone Company switch of an FX line, including CCSA and CCSA-equivalent ONALs; or
- (2) Reserved for Future Use
- (3) a termination used for TELEX service; or
- a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines; or
- (5) a lermination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges such as, where the Special Access Service accesses only FGA and no local exchange lines, or Special Access Service between customer points of termination or Special Access Service connecting CCSA or CCSA-type equipment (inter-machine trunks); or
- (6) a termination that the customer certifies to the Telephone Company is not connected to a PBX or other device capable of interconnecting the special access facility to a local exchange subscriber line.

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7. Special Access Service (Cont'd)

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- 7.4 Rate Regulations (Cont'd)
 - 7.4.2 Surcharge for Special Access Service (Cont'd)
 - (A) General (Cont'd)

switch unless written certification is received from the customer certifying exemption status as set forth in (B) following.

(B) Special Access Surcharge Exemptions

The Special Access Service will be exempted from the surcharge if the customer provides the Telephone Company written certification that the Special Access Channel Termination is one of the following:

- (1) an open-end termination in a Telephone Company switch of an FX line, including CCSA and CCSAequivalent ONALs; or
- (2) an analog termination that is used for radio or television program transmission; or
- (3) a termination used for TELEX service; or
- (4) a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines; or
- (5) a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges such as, where the Special Access Service accesses only FGA and no local exchange lines, or Special Access Service between customer points of termination or Special Access Service connecting CCSA or CCSA-type equipment (inter-machine trunks); or
- (6) a termination that the customer certifies to the Telephone Company is not connected to a PBX or other device capable of interconnecting the special access facility to a local exchange subscriber line.

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Richard D. Lawson February 9, 2000 State Executive, External Affairs March 10, 2000

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7. <u>Special Access Service</u> (Cont'd)

- 7.4 <u>Rate Regulations</u> (Cont'd)
 - 7.4.2 Surcharge for Special Access Service (Cont'd)
 - (A) <u>General</u> (Cont'd)

switch unless written certification is received from the customer certifying exemption status as set forth in (B) following.

(B) Special Access Surcharge Exemptions

The Special Access Service will be exempted from the surcharge if the customer provides the Telephone Company written certification that the Special Access Service termination is one of the following:

- (1) an open-end termination in a Telephone Company switch of an FX line, including CCSA and CCSA-equivalent ONALs; or
- (2) an analog termination that is used for radio or television program transmission; or
- (3) a termination used for TELEX service; or
- (4) a termination that by the nature of its operating characteristics could not make use of Telephone Company common lines; or
- (5) a termination that interconnects either directly or indirectly to the local exchange network where the usage is subject to Carrier Common Line charges such as, where the Special Access Service accesses only FGA and no local exchange lines, or Special Access Service between customer points of termination or Special Access Service connecting CCSA or CCSA-type equipment (inter-machine trunks); or
- (6) a termination that the customer certifies to the Telephone Company is not connected to a PBX or other device capable of interconnecting the special access facility to a local exchange subscriber line.

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> ISSUED: September 17, 1992

BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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ACCESS SERVICE

- 7. <u>Special Access Service</u> (Cont'd)
 - 7.4 Rate Regulations (Cont'd)
 - 7.4.2 Surcharge for Special Access Service (Cont'd)
 - (C) <u>Exemption Certification</u>

Special Access Services which are terminated as set (1) forth in (B) preceding will be exempted from the Special Access Surcharge if the customer provides the Telephone Company with a written notification certifying exemption. Such notification shall be provided by the customer (1) at the time the Special Access Service is ordered or installed; (2) at such time as the Special Access Service is re-terminated to a device not capable of interconnecting to the local exchange network, or (3) at such time as the Special Access Service becomes associated with a Switched Access Service that is subject to Carrier Common Line charges.

- (2) If written certification is not received at the time the Special Access Service is obtained, the surcharge will be applied. Exempt status will become effective on the certification date indicated by the customer, subject to the regulations in (D) following.
- (3) The exemption certification is to be provided by the customer ordering the service. The certification must be signed by the customer or authorized representative and include the category of exemption, as set forth in (B) preceding, for each termination, and the date which the exemption is effective.
- (4) The customer shall also notify the Telephone Company when an exempted Special Access Service is changed or re-terminated such that the exemption is no longer applicable.

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- 7. Special Access Service (Cont'd)
 - 7.4 Rate Regulations (Cont'd)
 - 7.4.2 Surcharge for Special Access Service (Cont'd)
 - (D) Crediting the Surcharge

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

- (E) Application of Rates
 - The monthly Special Access Surcharge applies to Special Access Services arranged, as set forth in (A) preceding, on a per voice equivalent basis as shown in the following example.

Special Access Service	Voice Grade Equivalent		Surcharge		Monthly Charge
Voice Grade	1	x	\$25	÷.,	\$ 25.00
Group Level	12	X	\$25	-	\$300.00
DS1	24	x	\$25		\$600.00



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ISSUED: September 17, 1992 BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211



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- 7. Special Access Service (Cont'd)
 - 7.4 Rate Regulations (Cont'd)
 - 7.4.2 Surcharge for Special Access Service (Cont'd)
 - (E) Application of Rates (Cont'd)
 - (2) In the case of multipoint Special Access Service, one Special Access Surcharge will apply for each termination at a customer designated premises.
 - (3) The Telephone Company will bill the surcharge to the customer who orders the Special Access Service unless the Service is exempt as set forth in (B) preceding.
 - 7.4.3 Reserved for Future Use
 - 7.4.4 Minimum Periods

The minimum service period for all services is one month.

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7. Special Access Service (Cont'd)

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- 7.4 <u>Rate Regulations</u> (Cont'd)
 - 7.4.2 Surcharge for Special Access Service (Cont'd)
 - (E) Application of Rates (Cont'd)
 - (2) In the case of multipoint Special Access Service, one Special Access Surcharge will apply for each termination at a customer designated premises.
 - (3) The Telephone Company will bill the surcharge to the customer who orders the Special Access Service unless the Service is exempt as set forth in (B) preceding.

7.4.3 Reserved for Future Use

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7.4.4 Minimum Periods

The minimum service period for all services except parttime and occasional Video and Program Audio services is one month. The minimum service period for part-time and occasional Video and Program Audio Services is one day (i.e., a continuous 24 hour period, not limited to a calendar day).

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- 7. <u>Special Access Service</u> (Cont'd)
 - 7.4 <u>Rate Regulations</u> (Cont'd)
 - 7.4.2 Surcharge for Special Access Service (Cont'd)
 - (E) <u>Application of Rates</u> (Cont'd)
 - (2) In the case of multipoint Special Access Service, one Special Access Surcharge will apply for each termination at a customer designated premises.
 - (3) The Telephone Company will bill the surcharge to the customer who orders the Special Access Service unless the Service is exempt as set forth in (B) preceding.

7.4.3 Message Station Equipment Recovery Charge

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

Pursuant to CC Docket 83-1145 Memorandum Opinion and Order adopted by the Federal Communications on November 8, 1984 and released on November 9, 1984, this charge, is assessed only to those customers to which the Special Access Surcharge applies. The rate for the Message Station Equipment Recovery Charge is set forth in 7.5.10 following.

7.4.4 Minimum Periods

The minimum service period for all services except part-time and occasional Video and Program Audio services is one month. The minimum service period for part-time and occasional Video and Program Audio Services is one day (i.e., a continuous 24 hour period, not limited to a calendar day).

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ISSUED:

BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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- 1. Special Access Service (Cont'd)
 - 7.4 Rate Regulations (Cont'd)
 - 7.4.5 Moves

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

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

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

(A) 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 of the nonrecurring (i.e., installation) charge for the Channel Termination affected. There will be no change in the minimum period requirements.

(B) Moves to a Different Building

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

7.4.6 Mileage Measurement

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

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Richard D. Lawson State Executive, External Affairs

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- 7. <u>Special Access Service</u> (Cont'd)
 - 7.4 <u>Rate Regulations</u> (Cont'd)

7.4.5 <u>Moves</u>

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

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

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

(A) <u>Moves Within the Same Building</u>

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 of the nonrecurring (i.e., installation) charge for the service termination affected. There will be no change in the minimum period requirements.

(B) <u>Moves to a Different Building</u>

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

7.4.6 Mileage Measurement

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

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BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211 Original Page 367

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ACCESS SERVICE

7. Special Access Service (Cont'd)

- 7.4 Rate Regulations (Cont'd)
 - 7.4.6 Mileage Measurement (Cont'd)

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Service Commission

Mileage is shown in 7.5 following in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V&H coordinates method, as set forth in the National Exchange Carrier Association, Inc. Tariff, then find the band into which the computed mileage falls and apply the rates shown for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

When Hubs are involved, mileage is computed and rates applied separately for each section of the Channel Mileage, i.e., customer designated premises serving wire center to Hub, Hub to Hub and/or Hub to customer designated premises serving wire center. However, when any service is routed through a Hub for purposes other than customer specified bridging 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 serving wire centers associated with the customer designated premises.

7.4.7 Facility Hubs

A customer has the option of ordering Voice Grade facilities or digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, DS1, DS1C, or DS3) to a facility Hub for channelizing to individual services requiring lower capacity *facilities*.

Different locations may be designated as Hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to voice analog may occur at a different location. When ordering, the customer will specify the desired multiplexing Hub(s) selected from the National Exchange Carrier Association, Inc. Tariff. This tariff identifies the type(s) of multiplexing functions which are available and the wire centers at which they are available.

 For IntraLATA Local Exchange Carrier to Local Exchange Carrier traffic, percentages of ownership will be determined by the V&H coordinates located in the Missouri Intrastate IntraLATA Compensation Plan Database.

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ISSUED: July 2, 2002

Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101

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7. Special Access Service (Cont'd)

- 7.4 <u>Rate Regulations</u> (Cont'd)
 - 7.4.6 <u>Mileage Measurement</u> (Cont'd)

Mileage is shown in 7.5 following in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V&H coordinates method, as set forth in the National Exchange Carrier Association, *Inc.* Tariff, then find the band into which the computed mileage falls and apply the rates shown for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

When Hubs are involved, mileage is computed and rates applied separately for each section of the Channel Mileage, i.e., customer designated premises serving wire center to Hub, Hub to Hub and/or Hub to customer designated premises serving wire center. However, when any service is routed through a Hub for purposes other than customer specified bridging 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 serving wire centers associated with the customer designated premises.

7.4.7 Facility Hubs

A customer has the option of ordering Voice Grade facilities or digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, DS1, *DS1C, or DS3)* to a facility Hub for channelizing to individual services requiring lower capacity facilities (e.g., Voice, Program Audio, etc.).

Different locations may be designated as Hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to voice analog may occur at a different location. When ordering, the customer will specify the desired multiplexing Hub(s) selected from the National Exchange Carrier Association, *Inc.* Tariff. This tariff identifies the type(s) of multiplexing functions which are available and the wire centers at which they are available.

(1) For IntraLATA Local Exchange Carrier to Local Exchange Carrier traffic, percentages of ownership will be determined by the V&H coordinates located in the Missouri Intrastate IntraLATA Compensation Plan Database.



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- 7. Special Access Service (Cont'd)
 - 7.4 Rate Regulations (Cont'd)
 - 7.4.6 Mileage Measurement (Cont'd)

Mileage is shown in 7.5 following in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V&H coordinates method, as set forth in the National Exchange Carrier Association Tariff, then find the band into which the computed mileage falls and apply the rates shown for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

When Hubs are involved, mileage is computed and rates applied separately for each section of the Channel Mileage, i.e., customer designated premises serving wire center to Hub, Hub to Hub and/or Hub to customer designated premises serving wire center. However, when any service is routed through a Hub for purposes other than customer specified bridging 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 serving wire centers associated with the customer designated premises. THE STAR PUSIC

7.4.7 Facility Hubs

A customer has the option of ordering Voice GFII = D MAR 1 0 2000facilities or digital high capacity facilities (i.e., Group, Supergroup, Mastergroup, DS1, DS1C, DS2, DS3 or DS4) to a facility Hub for channelizing to individual services requiring lower capacity facilities (e.g., Voice, Program Audio, etc.).

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Different locations may be designated as Hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to voice analog may occur at a different location. When ordering, the customer will specify the desired multiplexing Hub(s) selected from the National Exchange Carrier Association Tariff. This tariff identifies the type(s) of multiplexing functions which are available and the wire centers at which they are available.

(1)For IntraLATA Local Exchange Carrier to Local Exchange Carrier traffic, percentages of ownership will be determined by the V&H coordinates located in the Missouri Intrastate IntraLATA Compensation Plan Database.

ISSUED: February 9, 2000

Richard D. Lawson State Executive, External Affairs

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Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.6 <u>Mileage Measurement</u> (Cont'd)

Mileage is shown in 7.5 following in terms of mileage bands. To determine the rate to be billed, first compute the mileage using the V&H coordinates method, as set forth in the Exchange Carrier Association Tariff. then find the band into which the computed mileage falls and apply the rates shown for that band. When the calculation results in a fraction of a mile, always round up to the next whole mile before determining the mileage band and applying the rates.

When Hubs are involved, mileage is computed and rates applied separately for each section of the Channel Mileage, i.e., customer designated premises serving wire center to Hub, Hub to Hub and/or Hub to customer designated premises serving wire center. However, when any service is routed through a Hub for purposes other than customer specified bridging 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 serving wire centers associated with the customer designated premises.

7.4.7 Facility Hubs



Different locations may be designated as Hubs for different facility capacities, e.g., multiplexing from digital to digital may occur at one location while multiplexing from digital to voice analog may occur at a different location. When ordering, the customer will specify the desired multiplexing Hub(s) selected from the Exchange Carrier Association Tariff. This tariff identifies the type(s) of multiplexing functions which are available and the wire centers at which they are available.

(1) For intraLATA Local Exchange Carrier to Local Exchange Carrier traffic, percentages of ownership will be determined by the V&H coordinates located in the Missouri PTC Plan IntraLATA Database.

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ISSUED: September 17, 1992

BY: John L. Roe Vice President ~ Administration 5454 West 110th Street Overland Park. Kansas 66211

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- Special Access Service (Cont'd) 7.
 - 7.4 Rate Regulations (Cont'd)
 - 7.4.7 Facility Hubs (Cont'd)

Some of the types of multiplexing available include the following:

- from higher to lower bit rate
- from higher to lower bandwidth

from digital to voice frequency channels

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

The Telephone Company will commence billing the monthly rate for the facility to the Hub on the date specified by the customer on the service order. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the Hub, or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a Voice Grade, High Capacity, Analog or

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Richard D. Lawson State Executive, External Affairs

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7. Special Access Service (Cont'd)

> 7.4 Rate Regulations (Cont'd)

> > 7.4.7 Facility Hubs (Cont'd)

Some of the types of multiplexing available include the following:

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

End to end services may be provided on channels of these facilities to a Hub. The transmission performance for the end to end service provided between customer designated premises will be that of the lower capacity or bit rate. For example, when a 1.544 Mbps facility is multiplexed to voice frequency channels, the transmission performance of the channelized services will be Voice Grade, not TransLink[®] or other High Capacity services.

The Telephone Company will commence billing the monthly rate for the facility to the Hub on the date specified by the customer on the service order. Individual services utilizing these facilities may be installed coincident with the installation of the facility to the Hub, or may be ordered and/or installed at a later date, at the option of the customer. The customer will be billed for a Voice Grade, United TransLink™ or other High Capacity, Analog or

Registered service mark of United Telecommunications, Inc.

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ISSUED: September 17, 1992

BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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- Special Access Service (Cont'd)
 - 7.4 Rate Regulations (Cont'd)
 - 7.4.7 Facility Hubs (Cont'd)

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digital Channel Termination, Channel Mileage (when applicable), and the multiplexer at the time the facility is installed. Individual service rates (by service type) will apply for a Channel Termination and additional Channel Mileage (as required) for each channelized service. These will be billed to the customer as each individual service is installed.

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 Supergroup facility is de-multiplexed to five Group facilities, and then one of the Group facilities is fur-ther de-multiplexed to individual Voice Grade channels.

When cascading multiplexing is performed, whether in the same or a different Hub, a charge for the additional multiplexing unit also applies. When cascading multi-plexing is performed at different Hubbing locations, Channel Mileage charges also apply between the Hubs.

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7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.7 Facility Hubs (Cont'd)

digital Channel Termination, Channel Mileage (when applicable), and the multiplexer at the time the facility (C) is installed. Individual service rates (by service type) will apply for a Channel Termination and additional Channel Mileage (as required) for each channelized (C) service. These will be billed to the customer as each individual service is installed.

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 Supergroup facility is de-multiplexed to five Group facilities, and then one of the Group facilities is further de-multiplexed to individual Voice Grade channels.

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

Although not requiring multiplexing, the Telephone Company will designate certain Hubs for Video and Program Audio Services. A customer can order full-time and/or part-time service(s) between customer designated premises and a Hub and will be billed accordingly at the rates set forth in 7.5.4 or 7.5.5 following for the full-time or part-time service, as appropriate. At the request of a customer, the full-time and/or part-time services provided to the Hub may be connected together in the following configurations: full-time to full-time, full-time to part-time or part-time to part-time. The customer will be charged for each such connection made at the rates for Other Labor as set forth in 13.2.6(C) following. The rates that apply for the service between each customer designated premises and the Hub are a Channel Termination and Channel Mileage, if applicable. In addition, for Program Audio services, rates for optional features and functions may be applicable.



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7. <u>Special Access Service</u> (Cont'd)

7.4 <u>Rate Regulations</u> (Cont'd)

7.4.7 Facility Hubs (Cont'd)

digital Channel Termination, Channel Mileage (when applicable), and Inside Wire Recovery Charge, if applicable, and the multiplexer at the time the facility is installed. Individual service rates (by service type) will apply for a Channel Termination and additional Channel Mileage (as required) and an Inside Wire Recovery Charge, if applicable, for each channelized service. These will be billed to the customer as each individual service is installed.

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 Supergroup facility is de-multiplexed to five Group facilities, and then one of the Group facilities is further de-multiplexed to individual Voice Grade channels.

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

Although not requiring multiplexing, the Telephone Company will designate certain Hubs for Video and Program Audio Services. A customer can order full-time and/or part-time service(s) between customer designated premises and a Hub and will be billed accordingly at the rates set forth in 7.5.4 or 7.5.5 following for the full-time or part-time service, as appropriate. At the request of a customer, the full-time and/or part-time services provided to the Hub may be connected together in the following configurations: full-time to full-time, full-time to part-time or part-time to part-time. The customer will be charged for each such connection made at the rates for Other Labor as set forth in 13.2.6(C) following. The rates that apply for the service between each customer designated premises and the Hub are a Service Termination and Channel Mileage, if applicable. In addition, for Program Audio services, rates for optional features and functions and an Inside Wire Recovery Charge may be applicable.

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ISSUED: September 17, 1992

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BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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7. <u>Special Access Service</u> (Cont'd)

- 7.4 <u>Rate Regulations</u> (Cont'd)
 - 7.4.8 Shared Use of Digital High Capacity Service

Shared use occurs when Special Access Service and Switched Access Service are provided over the same high capacity DS1 or DS3 through a common interface. The facility will be ordered, provided and rated as Special Access Service (i.e., Channel Termination, Channel Mileage, as appropriate, and Multiplexing). The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate Special Access High Capacity DS1 or DS3 service. The customer must place an order for each individual switched access or special access service utilizing the shared use facilities and specify the channel assignment for each such service. Individual service (i.e., Switched or Special Access) nonrecurring charges will not apply to the individual channels of the shared use facility. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service.

For special access high capacity DS1 or DS3 facilities, the Special Access Channel Termination, Channel Mileage or applicable Multiplexing rates will be reduced by 1/24th for each DS1 channel, 1/672nd for each DS3 channel activated for switched access service. Switched access rates and charges as set forth in the 6.8 preceding will apply for each channel of shared use facility that is used to provide switched access service (i.e., 1/24th of the Switched Access Entrance Facility, Direct-Trunked Transport, and applicable Multiplexing rates will apply for each channel of a DS1 service or 1/672nd for each channel of a DS3 service activated for Switched Access service).

The applicable Switched Access Entrance Facility rate is dependent upon whether the Special Access high capacity DS1 or DS3 facility is provided with or without Telephone Company terminal equipment at the customer's premises (e.g., when a Special Access Channel Termination provisioned with Telephone Company provided terminal equipment at the customer's premises is activated for Switched Access Service, the Switched Access rate for an Entrance Facility with Telephone Company provided terminal equipment will apply). (C)

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ISSUED: May 1, 2012 Gary L. Kepley Director - Regulatory Operations 5454 W. 110th Street Overland Park, Kansas 66211

EFFECTIVE: FILED July 3, 2012 Missouri Public Service Commission TT-2012-0317, YI-2012-0635

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7. Special Access Service (Cont'd)

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7.4 Rate Regulations (Cont'd)

7.4.8 Shared Use of Analog and Digital High Capacity Service

Shared use occurs when Special Access Service and Switched Access Service are provided over the same High Capacity facilities through a common interface. The facility will be ordered, provided and rated as Special Access Service (i.e., Channel Termination, Channel Mileage, as appropriate, and Multiplexer). The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate Special Access High Capacity Channel Termination. Individual service (i.e., Switched or Special Access) nonrecurring charges will not apply to the individual channels of the shared use facility. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service. As each individual channel is activated for Switched Access Service, the Special Access Channel Termination and Channel Mileage rates will be reduced accordingly (e.g., 1/24th for a DS1 service, etc.). The customer must place an order for each individual Switched or Special Access Service utilizing the Shared Use Facilities and specify the channel assignment for each such service.

Switched Access Service rates and charges as set forth in 6.8 preceding will apply for each channel of the shared use facility that is used to provide Switched Access Service. Where Special Access Service is provided utilizing a channel of the shared facility to the Hub, High Capacity rates and charges will apply for the facility to the Hub as set forth preceding and individual service rates will apply from the Hub to the customer designated premises. The rates and charges that will apply to the portion from the Hub to the customer designated premises will be dependent on the specific type of Special Access Service that is provided (e.g., Voice Grade, etc.). The applicable rates and charges will include a Channel Termination and Channel Mileage, if applicable. Rates and charges for optional features and functions, associated with the service, if any, will apply as set forth in 7.5 following.

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FILED MAR 1 0 2000

ISSUED: February 9, 2000

Cancelled April 30, 2007 Missouri Public Service Commission Richard D. Lawson State Executive, External Affairs EFFECTIVE: March 10, 2000

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First Revised Page 371 Cancels Original Page 371

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

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7.4.8 Shared Use of Analog and Digital High Capacity Service

Shared use occurs when Special Access Service and Switched Access Service are provided over the same High (T) Capacity facilities through a common interface. The (T) facility will be ordered, provided and rated as Special Access Service (i.e., Channel Termination, Channel Mileage, as appropriate, and Multiplexer). The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate Special Access High (T) Capacity Channel Termination. Individual service (i.e., (T) Switched or Special Access) nonrecurring charges will not apply to the individual channels of the shared use facility. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service. As each individual channel is activated for Switched Access Service, the Special Access Channel Termination and Channel Mileage rates will be reduced accordingly (e.g., 1/24th for a DS1 service, etc.). The customer must place an order for each individual Switched or Special Access Service utilizing the Shared Use Facilities and specify the channel assignment for each such service.

Switched Access Service rates and charges as set forth in 6.8 preceding will apply for each channel of the shared use facility that is used to provide Switched Access Service. Where Special Access Service is provided utilizing a channel of the shared facility to the Hub, High Capacity rates and charges will apply for the facility to the Hub as set forth 'preceding and individual service rates will apply from the Hub to the customer designated premises. The rates and charges that will apply to the portion from the Hub to the customer designated premises will be dependent on the specific type of Special Access Service that is provided (e.g., Voice Grade, Telegraph, etc.). The applicable rates and charges will include a Channel Termination and Channel Mileage, if applicable. Rates and charges for optional features and functions, associated with the service, if any, will apply as set forth in 7.5 following.

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Richard D. Lawson State Executive, External Affairs EFFECTIVE: 1999

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7. <u>Special Access Service</u> (Cont'd)

7.4 <u>Rate Regulations</u> (Cont'd)

7.4.8 Shared Use of Analog and Digital High Capacity Service

Shared use occurs when Special Access Service and Switched Access Service are provided over the same United TransLink# or other High Capacity facilities through a common interface. The facility will be ordered, provided and rated as Special Access Service (i.e., Channel Termination, Channel Mileage, as appropriate, and Multiplexer). The nonrecurring charge that applies when the shared use facility is installed will be the nonrecurring charge associated with the appropriate Special Access TransLink" or other High Capacity Channel Termination. Individual service (i.e., Switched or Special Access) nonrecurring charges will not apply to the individual channels of the shared use facility. Rating as Special Access will continue until such time as the customer chooses to use a portion of the available capacity for providing Switched Access Service. As each individual channel is activated for Switched Access Service, the Special Access Channel Termination and Channel Mileage rates will be reduced accordingly (e.g., 1/24th for a DS1 service, etc.). The customer must place an order for each individual Switched or Special Access Service utilizing the Shared Use Facilities and specify the channel assignment for each such service.

Switched Access Service rates and charges as set forth in 6.8 preceding will apply for each channel of the shared use facility that is used to provide Switched Access Service. Where Special Access Service is provided utilizing a channel of the shared facility to the Hub, Widebank Analog, United TransLink[®] or other High Capacity rates and charges will apply for the facility to the Hub as set forth preceding and individual service rates will apply from the Hub to the customer designated premises. The rates and charges that will apply to the portion from the Hub to the customer designated premises will be dependent on the specific type of Special Access Service that is provided (e.g., Voice Grade, Telegraph, etc.). The applicable rates and charges will include a Channel Termination and Channel Mileage, if applicable. Rates and charges for optional features and functions, associated with the service, if any, will apply as set forth in 7.5 following.

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Registered service mark of United CARCE Internations, Inc.

ISSUED: September 17, 1992 Public Service Commission MISSOURI BY: John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211 FILED

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7. <u>Special Access Service</u> (Cont'd)

- 7.4 <u>Rate Regulations</u> (Cont'd)
 - 7.4.8 Shared Use of Digital High Capacity Service (Cont'd)

Where special access high capacity DS1 or DS3 service is provided utilizing a channel of the shared facility to the Hub, Special Access high capacity DS1 or DS3 service rates and charges will apply for the facility to the Hub as set forth preceding and individual service rates and charges will apply from the Hub to the customer designated premises. The rates and charges that will apply to the portion from the Hub to the customer designated premises will be dependent on the specific type of Special Access Service that is provided (e.g., Voice Grade, Digital Data, etc.). The applicable rates and charges will include a Channel Termination and Channel Mileage, if applicable. Rates and charges for Optional Features and Functions, associated with the service, if any, will apply as set forth in Section 7.5 following.

- 7.4.9 Reserved for Future Use
- 7.4.10 Reserved for Future Use

Gary L. Kepley Director - Regulatory Operations 5454 W. 110th Street Overland Park, Kansas 66211

EFFECTIVE: FILED July 3, 2012 Missouri Public Service Commission TT-2012-0317, YI-2012-0635

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.4 Rate Regulations (Cont'd)

7.4.9 Reserved for Future Use

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ISSUED: February 9, 2000 Richard D. Lawson State Executive, External Affairs EFFECTIVE: March 10, 2000

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.4 Rate Regulations (Cont'd)
 - 7.4.9 Inside Wire Recovery Charge

The Inside Wire Recovery Charge is a charge to recover that portion of inside wire cost that is assigned to Special Access Service. Inside wire are those facilities as set forth in Part 68 of the Federal Communications Commission's Rules and Regulations. Inside wire may be provided in association with Telegraph Grade, Voice Grade, Program Audio and Digital Data Channel Terminations.

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

The rate for the Inside Wire Recovery Charge is set forth in 7.5.11 following.

7.4.10 Reserved for Future Use

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Richard D. Lawson September 10, 1999 State Executive, External Affairs

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

7.4.9 Inside Wire Recovery Charge

The Inside Wire Recovery Charge is a charge to recover that portion of inside wire cost that is assigned to Special Access Service. Inside wire are those facilities as set forth in Part 68 of the Federal Communications Commission's Rules and Regulations. Inside wire may be provided in association with Metallic, Telegraph Grade, Voice Grade, Program Audio and United DigiLink[®] Channel Terminations.

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

The rate for the Inside Wire Recovery Charge is set forth in 7.5.11 following.

7.4.10 <u>Reserved</u> for Future Use

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ISSUED: September 17 1992

BY: John Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.4 <u>Rate Regulations</u> (Cont'd)
 - 7.4.11 Special Access Term Discount Plan
 - (A) General

The Special Access Term Discount Plan (TDP) applies to Special Access Digital Data Service (56.0 and 64.0 kbps), High Capacity DS1(1.544 Mbps) Service and DS1 to DS0 Multiplexing. The TDP provides the customer with discounted rates for the services listed. The customer agrees to a minimum service commitment per service when the TDP is established.

In order for a circuit to be eligible for TDP pricing, the customer must commit a channel termination and/or multiplexer associated with that circuit to a TDP. The commitment level for a circuit will be based on channel terminations and/or multiplexers. Customers may disconnect or move channel terminations and/or multiplexers within the state and not be subject to termination liability charges as long as the commitment levels are maintained.

(B) <u>Commitment Level</u>

All eligible special access rate elements for a given circuit (channel termination, channel mileage termination (fixed), channel mileage facility (per mile), or multiplexing) must be ordered for the same commitment period with the same service date for the same customer. A customer establishes a TDP by committing all or a portion of their in-service channel terminations and/or multiplexers to a minimum term of 3 years, up to a maximum term of 5 years. During the term of the selected TDP, the customer must maintain an in-service commitment threshold of not less than 90% nor more than 130% of the committed channel terminations and/or multiplexers.

ISSUED: March 30, 2007

CANCELLED November 1, 2021 Missouri Public Service Commission JI-2022-0069 Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: April 30, 2007



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ACCESS SERVICE

Special Access Service (Cont'd)

- 7.4 Rate Regulations (Cont'd)
 - 7.4.11 Special Access Term Discount Plan
 - (A) General

The Special Access Term Discount Plan (TDP) applies to Special Access Digital Data **Service** (56.0 and 64.0 kbps), High Capacity DS1(1.544 Mbps) Service and DS1 to DS0 Multiplexing. The TDP provides the customer with discounted rates for the services listed. The customer agrees to a minimum service commitment per service when the TDP is established.

In order for a circuit to be eligible for TDP pricing, the customer must commit a channel termination and/or multiplexer associated with that circuit to a TDP. The commitment level for a circuit will be based on channel terminations and/or multiplexers. Customers may disconnect or move channel terminations and/or multiplexers within the state and not be subject to termination liability charges as long as the commitment levels are maintained.

(B) Commitment Level

All eligible special access rate elements for a given circuit (channel termination, channel mileage **termination** (fixed), channel mileage facility (per mile), or multiplexing) must be ordered for the same commitment period with the same service date for the same customer. A customer establishes a TDP by **committing** all or a portion of their inservice channel terminations and/or multiplexers to a minimum term of 3 years, up to a maximum term of 5 years. During the term of the selected TDP, the customer must maintain an in-service commitment threshold of not less than 90% nor more than 130% of the committed channel terminations and/or multiplexers.

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Service Commission

EFFECTIVE: February 7, 2002



ISSUED: January 7, 2002 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101

Cancelled April 30, 2007 Missouri Public Service Commission SPRINT MISSOURI, INC. d/b/a/ SPRINT

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ACCESS SERVICE

7. Special Access Service (Cont'd) JAN 26 2001

MISSOURI **Public Service Commission**

- 7.4 Rate Regulations (Cont'd)
 - Special Access Term Discount Plan 7.4.11
 - (A) General

The Special Access Term Discount Plan (TDP) applies to Special Access Digital Data (56.0 and 64.0 kbps), High Capacity DS1 (1.544 (C) Mbps) Service and DS1 to DS0 Multiplexing. The TDP provides the customer with discounted rates for the services listed. The customer agrees to a minimum service commitment per service when the TDP is established.

In order for a circuit to be eligible for TDP pricing, the customer (N) must commit a channel termination and/or multiplexer associated with that circuit to a TDP. The commitment level for a circuit will be (N) based on channel terminations and/or multiplexers. Customers may (C)disconnect or move channel terminations and/or multiplexers within (C) the state and not be subject to termination liability charges as long as the commitment levels are maintained.

(B) Commitment Level

> All eligible special access rate elements for a given circuit (channel termination, channel mileage (fixed), channel mileage facility (per mile), (C) or multiplexing) must be ordered for the same commitment period with (T) the same service date for the same customer. A customer establishes a TDP by selecting all or a portion of their in-service channel terminations and/or multiplexers to a minimum term of 3 years, up to a (C)maximum term of 5 years. During the term of the selected TDP, the customer must maintain an in-service commitment threshold of not less than 90% nor more than 130% of the committed channel (C) terminations and/or multiplexers.

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EFFECTIVE: February 26, 2001

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- 7. Special Access Service (Cont'd)
 - 7.4 Rate Regulations (Cont'd)

7.4.11 Special Access Term Discount Plan

(A) General

The Special Access Term Discount Plan (TDP) applies to Special Access Digital Data Service (56.0 and 64.0 kbps), High Capacity (1.544 Mbps) Services. The TDP provides the cus-tomer with discounted rates for the services listed. The customer agrees to a minimum service commitment per service when the TDP is established.

The commitment level will be based on channel terminations. Customers may disconnect or move channel terminations within the state and not be subject to termination liability charges as long as the commitment levels are maintained.

(B) Commitment Level

All eligible special access rate elements for a given circuit (channel termination, channel mileage (fixed), channel mileage (per mile), multiplexing) must be ordered for the same commitment period with the same service date for the same customer. A customer establishes a TDP by selecting all or a portion of their in-service channel terminations and committing 90 percent or more of those channel terminations to a minimum term of 12 months up to a maximum term of 84 months.

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ISSUED: September 10, 1999 Richard D. Lawson State Executive, External Affairs EFFECTIVE:

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7. <u>Special Access Service</u> (Cont'd)

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7.4 <u>Rate Regulations</u> (Cont'd)

7.4.11 Special Access Term Discount Plan

MISSOURI Public Service Commission

(A) <u>General</u>

The Special Access Term Discount Plan (TDP) applies to Special Access United DigiLinksm Service (56.0 and 64.0 kbps), United TransLinksm (1.544 Mbps) and Other High Capacity Services. The TDP provides the customer with discounted rates for the services listed. The customer agrees to a minimum service commitment per service when the TDP is established.

The commitment level will be based on channel terminations. Customers may disconnect or move channel terminations within the state and not be subject to termination liability charges as long as the commitment levels are maintained.

(B) <u>Commitment Level</u>

All eligible special access rate elements for a given circuit (channel termination, channel mileage (fixed), channel mileage (per mile), multiplexing) must be ordered for the same commitment period with the same service date for the same customer. A customer establishes a TDP by selecting all or a portion of their in-service channel terminations and committing 90 percent or more of those channel terminations to a minimum term of 12 months up to a maximum term of 84 months.

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ISSUED: April 26, 1996 BY: John L. Roe Vice President - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211 EFFECTIVE: JUN 10 1996 SPRINT MISSOURI, INC. d/b/a/ SPRINT Third Revised Page 372.2 Cancels Second Revised Page 372.2

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ACCESS SERVICE

- Special Access Service (Cont'd)
 - 7.4 Rate Regulations (Cont'd)

7.4.11 Special Access Term Discount Plan (Cont'd)

(B) Commitment Level (Cont'd)

As long as a customer's actual in-service level of channel terminations and/or multiplexers remains within the commitment threshold, the customer will be billed the TDP rate for all eligible rate elements. Additionally, if a customer's in-service level exceeds the initial in-service level by no more than 30%, the customer will be billed the TDP rates for all eligible rate elements. For example, the customer has 200 DS1 channel terminations and/or multiplexers and elects to commit 150 channel terminations and multiplexers to a 3 year TDP. The customer will be billed TDP rates as long as the in service level of the channel terminations and/or multiplexers is equal to or greater than 135 (90% minimum threshold) but not more than 195 (130% maximum threshold).

If the customer's in-service request exceeds the initial service level by more than 30%, the customer will be billed the month-to-month rate for all facilities above the upper limit of the commitment threshold. If the customer's in-service level falls below the minimum commitment threshold, the customer will be billed *liability charges for the number* of Channel Terminations and/or multiplexers below the minimum commitment threshold and the customer's current in-service level. For example, a customer whose minimum commitment threshold is 135 Channel Terminations and/or multiplexers (90% of 150), but only has 125 in-service, will be billed *termination liability charges for 10* Channel Terminations and/or multiplexers and the customer's commitment level will be decreased to 138 (110% of 125). The TDP rates billed will be based on the most recently disconnected facilities.

Although the commitment level is based upon channel terminations and/or multiplexers, the following rate elements will receive TDP rates:

Channel Mileage Facility (per mile) Channel Mileage Termination (fixed) Multiplexing Channel Termination

ISSUED: December 6, 2002

Cancelled April 30, 2007 Missouri Public Service Commission Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE January 6, 2003



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ACCESS SERVICE

- 7. <u>Special Access Service</u> (Cont'd)
 - 7.4 Rate Regulations (Cont'd)

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- 7.4.11 Special Access Term Discount Plan (Cont'd) Service Commission
 - (B) <u>Commitment Level</u> (Cont'd)

As long as a customer's actual in-service level of channel terminations and/or multiplexers remains within the commitment threshold, the customer will be billed the TDP rate for all eligible rate elements. Additionally, if a customer's in-service level exceeds the initial in-service level by no more than 30%, the customer will be billed the TDP rates for all eligible rate elements. For example, the customer has 200 DS1 channel terminations and/or multiplexers and elects to commit 150 channel terminations and multiplexers to a 3 year TDP. The customer will be billed TDP rates as long as the in service level of the channel terminations and/or multiplexers is equal to or greater than 135 (90% minimum threshold) but not more than 195 (130% maximum threshold).

If the customer's in-service request exceeds the initial service level by more than 30%, the customer will be billed the month-to-month rate for all facilities above the upper limit of the commitment threshold. If the customer's in-service *level falls* below the minimum commitment threshold, the customer will be billed for the minimum commitment level of channel terminations and/or multiplexers at the TDP rate. For example, a customer whose minimum commitment threshold is 135 channel terminations and/or multiplexers, but only has 125 in-service, will be billed the TDP rates for 135 channel terminations and/or multiplexers and all associated rate elements. The TDP rates billed will be based on the most recently disconnected facilities.

Although the commitment level is based upon channel terminations **and/or multiplexers**, the following rate elements will receive TDP rates:

Channel Mileage *Facility* (per mile) Channel Mileage *Termination* (fixed) Multiplexing Channel Termination

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EFFECTIVE: February 7, 2002



ISSUED: January 7, 2002 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 (C)

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.4 Rate Regulations (Cont'd)
 - 7.4.11 Special Access Term Discount Plan (Cont'd)
 - (B) Commitment Level (Cont'd)



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MISSOURI Public Service Commission

As long as a customer's actual in-service level of channel terminations (M) and/or multiplexers remains within the commitment threshold, the (C)customer will be billed the TDP rate for all eligible rate elements. Additionally, if a customer's in-service level exceeds the initial in-service level by no more than 30%, the customer will be billed the TDP rates for (M) all eligible rate elements. For example, the customer has 200 DS1 (C) channel terminations and/or multiplexers and elects to commit 150 channel terminations and multiplexers to a 3 year TDP. The customer will be billed TDP rates as long as the in service level of the channel terminations and/or multiplexers is equal to or greater than 135 (90% minimum threshold) but not more than 195 (130% (C)maximum threshold).

If the customer's in-service request exceeds the initial service level by more than 30%, the customer will be billed the month-to-month rate for all facilities above the upper limit of the commitment *threshold*. If the (C) customer's in-service level request falls below the *minimum* commitment *threshold*, the customer will be billed for the *minimum* commitment level of channel terminations *and/or multiplexers* at the TDP rate. For example, a customer *whose minimum commitment threshold is 135 channel terminations and/or multiplexers, but only has 125 in-service, will be billed the TDP rates for 135 channel terminations and/or multiplexers and all associated rate elements.* (C) The TDP rates billed will be based on the most recently disconnected facilities.

Although the commitment level is based upon channel terminations, the (M) following rate elements will receive TDP rates:

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(M) Material previously appeared in another location on this page.

MISSOURI Public Service Commission

ISSUED: January 26, 2001 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: February 26, 2001 (M)

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7. <u>Special Access Service</u> (Cont'd)

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· 7.4 Rate Regulations (Cont'd)

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- 7.4.11 Special Access Term Discount Plan (Cont'd) Public Service Commission
 - (B) <u>Commitment Level</u> (Cont'd)

Although the commitment level is based upon channel terminations, the following rate elements will receive TDP rates:

Channel Mileage (per mile) Channel Mileage (fixed) Multiplexing Channel Termination

As long as a customer's actual in-service level of channel terminations is at the commitment level, the customer will be billed the TDP rate for all eligible rate elements. Additionally, if a customer's in-service level exceeds the initial in-service level by no more than 307, the customer will be billed the TDP rates for all eligible rate elements. For example, the customer has 100 DS1 channel terminations and commits to 90% for a 24 month term. The customer will be billed TDP rates as long as the service level of the channel terminations is equal to 90 but not more than 130.

If the customer's in-service request exceeds the initial service level by more than 30%, the customer will be billed the month-to-month rate for all facilities above the upper limit of the commitment level. If the customer's in-service level request falls below the commitment level, the customer will be billed for the commitment level of the channel terminations at the TDP For example, a customer that commits 90 channel rate. terminations, but only has 70 in-service, will be billed the TDP rates for 90 channel terminations and all associated rate elements. The TDP rates billed will be based on the most recently disconnected facilities.

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April 26, 1996 BY: John L. Roe Vice President - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211



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MISSOURI Public Service Commission

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- Special Access Service (Cont'd) 7
 - Rate Regulations (Cont'd) 7.4
 - Special Access Term Discount Plan (Cont'd) 7.4.11
 - (C)Ordering Provisions

The customer must order a TDP in writing to the Telephone Company. A TDP may be ordered based on the following plan options.

Three (3) Years Five (5) Years

The customer must specify the plan and the length of the service commitment period and commitment level. The customer agrees to a minimum service commitment level per service in effect at one time. For example, a customer that has a 3 year plan in effect for DS1 (C)service may not establish a second 3 year DS1 TDP until the current (C) TDP expires. Once the plan is established, and commitment levels are agreed upon, standard access ordering procedures will be followed.

When a customer converts to a TDP, no access order charges are applied toward facilities in-service at that time. If a customer moves from a month to month plan to a TDP, or upgrades from one TDP to another, no access order charges are applied.

(D)Service Rearrangements

> When a circuit committed to a TDP Is rearranged as set forth in 7.4.1(C)(3) preceding, the nonrecurring rearrangement charge associated with the month-to month rates for that service will apply. Changes in the type of service or service termination are treated as disconnects and starts, and the nonrecurring installation charge associated with the month-to-month rates for that service will apply. Changes in the physical location of the point of termination are treated as moves, as described in 7.4.5 preceding, and will be assessed the nonrecurring charge associated with the month-to-month rates for that service.



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MISSOURI Public Service Commission

EFFECTIVE: February 26, 2001

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ISSUED: January 26, 2001

Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101

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ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

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7.4 <u>Rate Regulations</u> (Cont'd)

MISSOURI Public Service Commission

7.4.11 Special Access Term Discount Plan (Cont'd)

(C) Ordering Provisions

The customer must order a TDP in writing to the Telephone Company. A TDP may be ordered in increments of one month, based on the following plan options.

Plan	A:	12	-	23	months
Plan	B:	24	-	35	months
Plan	C:	36	-	59	months
Plan	D:	60	-	84	months

The customer must specify the plan and the length of the service commitment period and commitment level. The customer agrees to a minimum service commitment level per service in effect at one time. For example, a customer that has a 24 month plan for 1.544 Mbps services may not establish a second 24 month 1.544 Mbps TDP until the current TDP expires. Once the plan is established, and commitment levels are agreed upon, standard access ordering procedures will be followed.

When a customer converts to a TDP, no access order charges are applied toward facilities in-service at that time. If a customer moves from a month to month plan to a TDP, or upgrades from one TDP to another, no access order charges are applied.

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ISSUED: April 26, 1996 BY: John L. Roe Vice President - Carrier and Regulatory Services 5454 West 110th Street Overland Park, Kansas 66211

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7. Rate Regulations (Cont'd)

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Missouri Public

- Special Access Term Discount Plan (Cont'd) Service Commission 7.4.11
 - 90 Day Review Period (E)

No adjustments in monthly billing for a TDP, for being above or below the commitment level described in 7.4.11(B) preceding, will take place until 90 days after Telephone Company written notification to the customer that the commitment threshold has been exceeded or has not been met. This will ensure that customers will not be penalized for aberrations in channel termination and/or multiplexer counts caused by timing differentials in disconnection and installation.

Customer's bills will not be adjusted for being outside the threshold described in 7.4.11(B) preceding during the 90 day review period. Additionally, customers will continue to be billed the adjustments (following the 90 day review period) for being outside the described threshold until the commitment level is met or re-established. A new 90 day review period will be initiated if the customer's actual in-service level subsequently falls outside the described threshold.

(F) Increasing the TDP Commitment Level

> Customers may increase their commitment level at any time by notifying the Telephone Company in writing. An increase in the commitment level will not change the expiration date of the TDP.

When a commitment level is increased, the actual in-service channel termination and/or multiplexer level at the time of the increase will be used to calculate the new commitment threshold as described in Section 7.4.11(B) preceding.

Upon written notification to the Telephone Company, customers may elect to have all future channel terminations and/or multiplexers installed during a commitment period automatically placed on the designated TDP.

Customers may request, upon written notification to the Telephone Company, that the Telephone Company automatically increase the customer's TDP commitment level when the 130% commitment threshold, as set forth in 7.4.11(B) preceding, is exceeded. The adjusted commitment level will be the actual channel terminations and/or multiplexers in service under the TDP at the time the 130% threshold is exceeded. The expiration date of the customer's TDP will not be affected by this change.

The customer may rescind its request to automatically add future channel terminations and/or multiplexers, or to automatically increase its commitment level when the 130% threshold is exceeded, by notifying the Telephone Company in writing.

> Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101

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7. Special Access Service (Cont'd)

Rate Regulations (Cont'd)

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- 7.4.11 Special Access Term Discount Plan (Cont'd)
 - (E) 90 Day Review Period

No adjustments in monthly billing for a TDP, for being above or below the commitment level described in 7.4.11(B) preceding, will take place until 90 days after Telephone Company written notification to the customer that the commitment level has been exceeded or has not been met. This will ensure that customers will not be penalized for aberrations in channel termination counts caused by timing differentials in disconnection and installation.

Customer's bills will not be adjusted for being outside the *threshold* (T) described in 7.4.11(B) preceding during the 90 day review period. Additionally, customers will continue to be billed the adjustments (following the 90 day review period) for being outside the described *threshold* until the commitment level is met or re-established. A new (T) 90 day review period will be initiated if the customer's actual in-service level subsequently falls outside the described *threshold*. (T)

(F) Increasing the TDP Commitment Level

Customers may increase their commitment level at any time by notifying the Telephone Company in writing. An increase in the commitment level will not change the expiration date of the TDP.

When a commitment level is increased, the actual in-service channel termination **and/or multiplexer** level at the time of the increase will be (C) used to calculate the new commitment level as described in Section 7.4.11(B) preceding.

Upon written notification to the Telephone Company, customers (N) may elect to have all future channel terminations and/or multiplexers installed during a commitment period automatically placed on the designated TDP.

Customers may request, upon written notification to the Telephone Company, that the Telephone Company automatically increase the cuatomer's TDP commitment level when the 130% commitment threshold, as set forth in 7.4.11(B) preceding, is exceeded. The adjusted commitment level will be the actual channel terminations and/or multiplexers in service under the TDP at the time the 130% threshold is exceeded. The expiration date of the customer's TDP will not be affected by this change.

The customer may rescind its request to automatically add future channel terminations and/or multiplexers, or to automatically increase its commitment level when the 130% threshold is exceeded, by notifying the Telephone Company in writing.

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ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

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7. <u>Rate Regulations</u> (Cont'd)

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- 7.4.11 Special Access Term Discount Plan (Cont'd) Public Service Commission
 - (D) <u>90 Day Review Period</u>

No adjustments in monthly billing for a TDP, for being above or below the commitment level described in 7.4.11(B) preceding, will take place until 90 days after Telephone Company written notification to the customer that the commitment level has been exceeded or has not been met. This will ensure that customers will not be penalized for aberrations in channel termination counts caused by timing differentials in disconnection and installation.

Customer's bills will not be adjusted for being outside the parameters described in 7.4.11(B) preceding during the 90 day review period. Additionally, customers will continue to be billed the adjustments (following the 90 day review period) for being outside the described parameters until the commitment level is met or reestablished. A new 90 day review period will be initiated if the customer's actual in-service level subsequently falls outside the described parameters.

(E) Increasing the TDP Commitment Level

Customers may increase their commitment level at any time by notifying the Telephone Company in writing. An increase in the commitment level will not change the expiration date of the TDP.

When a commitment level is increased, the actual inservice channel termination level at the time of the increase will be used to calculate the new commitment level as described in Section 7.4.11(B) preceding.

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Special Access Service (Cont'd)

7.4.11

7.4 Rate Regulations (Cont'd)

Service Commission

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Special Access Term Discount Plan (Cont'd)

(G) Decreasing the TDP Commitment Level and Termination Liabilities

Customers may only decrease their commitment level by paying termination liability charges on the number of channel terminations and/or multiplexers by which the commitment level is decreased. Termination liabilities will apply to applicable services covered by the TDP. For example, a customer has a commitment level of 150 channel terminations and/or multiplexers. The Customer then decreases their commitment level to 125. The customer must pay a term*ination* liability on the most recently disconnected 25 facilities, inclusive of all associated rate elements as listed above.

If a customer disconnects any portion of their TDP service prior to the expiration of the commitment period, the customer will be billed 50% of the monthly TDP charges for the remaining portion of the committed term. For example, a customer disconnecting in the 12th month of a 3 year plan will be charged 50% of the remaining 24 months of billing.

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.4 Rate Regulations (Cont'd)
 - Special Access Term Discount Plan (Cont'd) 7.4.11

Liabilities

Public Service Commission Decreasing the TDP Commitment Level and Termination (T)

Customers may only decrease their commitment level by paying termination liability charges on the number of channel terminations and/or multiplexers by which the commitment level (C) is decreased. Termination liabilities will apply to applicable services covered by the TDP. For example, a customer has a commitment level of 150 channel terminations and/or (C) multiplexers. The Customer then decreases their commitment (C) level to 125. The customer must pay a term liability on the most (T)recently disconnected 25 facilities inclusive of all associated rate elements as listed above.

(C) If a customer disconnects any portion of their TDP service prior to the expiration of the commitment period, the customer will be billed 50% of the monthly TDP charges for the remaining portion of the committed term. For example, a customer disconnecting in the 12th month of a 3 year plan will be charged (C) 50% of the remaining 24 months of billing.

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7. <u>Special Access Service</u> (Cont'd)

7.4 <u>Rate Regulations</u> (Cont'd)

7.4.11 Special Access Term Discount Plan (Cont'd)

(F) <u>Decreasing the TDP Commitment Level and</u> <u>Termination Liabilities</u>

Customers may only decrease their commitment level by paying termination liability charges on the number of channel terminations by which the commitment level is decreased. Termination liabilities will apply to applicable services covered by the TDP. For example, a customer has a commitment level of 90 channel terminations. The Customer then decreases their commitment level to 70. The customer must pay a term liability on the most recently disconnected 20 facilities inclusive of all associated rate elements as listed above.

If a customer disconnects any portion of their TDP service prior to the end of month 12, the customer will be liable for 100% of the payments remaining for the fist twelve months and 50% of the payments remaining for the rest of the term plan or 12 months, whichever is shorter. If a customer disconnects any portion of their TDP service after the end of the 12th month, the customer will be liable for 50% of the payments remaining for the rest of the Term Plan or 12 months, whichever is shorter. For example, a customer disconnecting in the 10th month of a 55 Month Plan owes 100% of 2 payments and 50% of the 55 Month term plan payments for an additional 12 months. A customer disconnecting in the 25th month of a 36-month Plan owes 50% of the term payments for an additional 11 months.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.4 Rate Regulations (Cont'd)

MISSOURI Public Service Commission

JAN 26 2001

- 7.4.11 Special Access Term Discount Plan (Cont'd)
 - **Rate Changes** (H)

In this section, the term "rate" refers to the charges associated with the entire circuit covered by a TDP. Rate increases or decreases will automatically be applied to the monthly term plan rates for the remaining term of the TDP. If a Telephone Company initiated rate increase (C) causes a customer's rates to increase by 10% or more at any one (C) time, the customer may cancel the TDP without incurring termination liability charges.

 $\langle \mathbf{I} \rangle$ Extension of TDP Commitment Period

> TDP commitment periods can be extended by the customer at any time during the term of the plan, up to a maximum of 5 years. The number (C) of months accrued in the current plan will apply toward the new plan selected. For example, a customer having completed 15 months of a 3 (C) (C) year commitment can extend the commitment to 5 years and no additional charges will be assessed. The first payment will be (C) considered the 16th payment under the new 5 year Plan.

(J)Upgrading a TDP Service

> When a customer upgrades a Digital Data Service being billed TDP rates to a DS1 Service, the Digital Data TDP commitment level will be reduced at the customer's request (up to a maximum of 24) and no termination liability charge will apply. If the same customer has a TDP for DS1 Service, the DS1 Service TDP commitment level will be (C)increased if the customer requests that it be increased.

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.4 Rate Regulations (Cont'd)

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- 7.4.11 Special Access Term Discount Plan (Cont'd)
 - (G) Rate Changes

In this section, the term "rate" refers to the charges associated with the entire circuit covered by a TDP. Rate increases or decreases will automati~ cally be applied to the monthly term plan rates for the remaining term of the TDP. If a Telephone Company initiated rate increase causes a customer's rates to exceed the original rates in effect at the beginning of the TDP, the customer may cancel the TDP without incurring termination liability charges.

(H) Extension of TDP Commitment Period

TDP commitment periods can be extended by the customer at any time during the term of the plan, up to a maximum of 84 months. The number of months accrued in the current plan will apply toward the new plan selected. For example, a customer having completed 15 months of a 20-month commitment can extend the commitment to 30 months and no additional charges will be assessed. The first payment will be considered the 16th payment under the new 30-month Plan.

(I) Upgrading a TDP Service

When a customer upgrades a Digital Data Service being (T) billed TDP rates to High Capacity Service, the (T) Digital Data TDP commitment level will be reduced at (T) the customer's request (up to a maximum of 24) and no termination liability charge will apply. If the same customer has a TDP for High Capacity Service the High (T) Capacity Service TDP commitment level will be (T) increased if the customer requests that it be increased.

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7. Special Access Service (Cont'd)

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7.4 Rate Regulations (Cont'd)

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- Special Access Term Discount Plan (Cont'd) Public Service Commission 7.4.11
 - (G) <u>Rate</u> Changes

In this section, the term "rate" refers to the charges associated with the entire circuit covered by a TDP. Rate increases or decreases will automatically be applied to the monthly term plan rates for the remaining term of the TDP. If a Telephone Company initiated rate increase causes a customer's rates to exceed the original rates in effect at the beginning of the TDP, the customer may cancel the TDP without incurring termination liability charges.

(H) Extension of TDP Commitment Period

TDP commitment periods can be extended by the customer at any time during the term of the plan, up to a maximum of 84 months. The number of months accrued in the current plan will apply toward the new plan selected. For example, a customer having completed 15 months of a 20-month commitment can extend the commitment to 30 months and no additional charges will be assessed. The first payment will be considered the 16th payment under the new 30-month Plan.

(I) Upgrading a TDP Service

BY: John L. Roe

5454 West 110th Street Overland Park, Kansas 66211

When a customer upgrades a United DigiLinksm Service being billed TDP rates to United TransLinksm and Other High Capacity Services, the United DigiLink TDP commitment level will be reduced at the customer's request (up to a maximum of 24) and no termination liability charge will apply. If the same customer has a TDP for United TransLink[®], and Other High Capacity Services the United TransLink[®] and Other High Capacity Services TDP commitment level will be increased if the customer requests that it be increased.

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April 26, 1996 Vice President - Carrier and Regulatory Services

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ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.4 <u>Rate Regulations</u> (Cont'd)
 - 7.4.11 Special Access Term Discount Plan (Cont'd)
 - (K) <u>Renewal of a TDP</u>

At the end of the TDP service commitment period, the customer may subscribe to a new TDP at the prevailing rates set forth in Section 7.5.14 following. If the customer does not select a new TDP, the rates will convert to the prevailing month-to-month Digital Data or DS1 rates set forth in Section 7.5.8 and 7.5.9 following. The customer will have a 90 day grace period to renew their TDP before month-to-month rates will be assessed.

(L) <u>Cancellation Charges</u>

When a customer cancels an order for Special Access Services being provided under a TDP, cancellation charges, as set forth in 5.2.3 preceding, will be calculated using the nonrecurring charges associated with the month-to month rates for the service being cancelled.

ISSUED: March 30, 2007

CANCELLED November 1, 2021 Missouri Public Service Commission JI-2022-0069 Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: April 30, 2007


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ACCESS SERVICE

- Special Access Service (Cont'd)
 - 7.4 Rate Regulations (Cont'd)
 - 7.4.11 Special Access Term Discount Plan (Cont'd)
 - (K) Renewal of a TDP

At the end of the TDP service commitment period, the customer may subscribe to a new TDP at the prevailing rates set forth in Section 7.5.14 following. If the customer does not select a new TDP, the rates will convert to the prevailing month-to-month Digital **Data or DS1 rates** (C) set forth in Section 7.5.8 and 7.5.9 following. The customer will have a 90 day grace period to renew their TDP before month-to-month rates will be assessed.

(L) Cancellation Charges

When a customer cancels an order for special access services being provided under a TDP, cancellation charges, as set forth in 5.2.3 preceding, will be calculated using the nonrecurring charges associated with the month-to month rates for the service being cancelled.

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ISSUED: January 26, 2001 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101

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7. Special Access Service (Cont'd)

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- 7.4 Rate Regulations (Cont'd)
 - 7.4.11 Special Access Term Discount Plan (Cont.d) RECD SED 10 1999
 - (J) Renewal of a TDP

At the end of the TDP service commitment period, the customer may subscribe to a new TDP at the prevailing rates set forth in Section 7.5.14 following. If the customer does not select a new TDP, the rates will convert to the prevailing month-to-month Digital Data (T) Service or High Capacity Service rates set forth in (T) Section 7.5.8 and 7.5.9 following. The customer will have a 90 day grace period to renew their TDP before month-to-month rates will be assessed.

If a customer fulfills a 7 year commitment (as described in Plan D, preceding), the TDP rates in effect at that time will continue as long as the customer remains in-service at the commitment level agreed to.

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7. <u>Special Access Service</u> (Cont'd)

7.4 <u>Rate Regulations</u> (Cont'd)

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Public Service Commission

- 7.4.11 Special Access Term Discount Plan (Cont'd)
 - (J) <u>Renewal of a TDP</u>

At the end of the TDP service commitment period, the customer may subscribe to a new TDP at the prevailing rates set forth in Section 7.5.14 following. If the customer does not select a new TDP, the rates will convert to the prevailing month-to-month United DigiLinksm Service or TransLinksm and Other High Capacity Services rates set forth in Section 7.5.8 and 7.5.9 following. The customer will have a 90 day grace period to renew their TDP before month-to-month rates will be assessed.

If a customer fulfills a 7 year commitment (as described in Plan D, preceding), the TDP rates in effect at that time will continue as long as the customer remains inservice at the commitment level agreed to.

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges

7.5.1 Reserved For Future Use

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7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges

7.5.1 <u>Metallic Service</u>

		<u>usoc</u>	Monthly <u>RATES</u>	Nonrecurring CHARGES
(A)	Channel Termination -Per point of termination	TMECS	ICB	ICB

- (B) Reserved For Future Use
- (C) Reserved For Future Use

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ISSUED: September 17 1992 BY: John Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.5 Rates and Charges (Cont'd)
 - 7.5.1 Reserved For Future Use (Cont'd)

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.5 Rates and Charges (Cont'd)
 - 7.5.1 <u>Metallic Service</u> (Cont'd)
 - (D) Channel Mileage

Mileage Bands

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Monthly Rates

	<u>USOC</u>	<u>Fixed</u>	<u>Per Mile</u>
0	1L5XX	None	None
Over 0 to 4	1L5XX	ICB	ICB
Over 4 to 8	1L5XX	ICB	ICB
Over 8 to 25	1L5XX	ICB	ICB
Over 25 to 50	1L5XX	ICB	ICB
Over 50	1L5XX	ICB	ICB

			Monthly	Nonrecurring
		<u>USOC</u>	<u>Rates</u>	<u>Charges</u>
(E)	Optional Features and Functions			

(1) Bridging

(a)	Three Premi	ses		
	Bridging			
	-Per port	BCNM3	ICB	None

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ISSUED: September 17 1992

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BY: John Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.5 Rates and Charges (Cont'd)

7.5.2 Reserved For Future Use



FILED MAR 1 0 2000



Cancelled April 30, 2007 Missouri Public Service Commission

ISSUED: February 9, 2000 Richard D. Lawson State Executive, External Affairs EFFECTIVE: March 10, 2000

UNITED TELEPHONE COMPANY OF MISSOURI

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.2 Telegraph Grade Service

	USOC	Monthly <u>Rates</u>	Nonrecurring Charges
- Per point of termination			ı
- 180-9110		\$17.66	\$193.00
	- Per point of	Channel Termination - Per point of termination	USOC Rates Channel Termination - Per point of termination - Two-wire TME2X

ICB

- Four-Wire TME4X

Channel Mileage (B)

<u>Mileage Bands</u>		<u>Monthly Rates</u>
	USOC	Fixed Per Mile
0	1L5XX	None None
Over 0 to 4	1L5XX	\$8,94 \$1.01
Over 4 to 8	1L5XX	\$8.94 \$1.01
Over 8 to 25	1L5XX	\$8.94 \$1.01
Over 25 to 50	1L5XX	\$8.9 4 \$1.01
Over 50	1L5XX	\$8.94 \$1.01

CANCELLED

MAR 1 0 2000 By 1st RP 375 Public Service Commission MISSOURI

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MO. PUBLIC SERVICE COMM.

EFFECTIVE: A CONTRACTOR OF A CALL AND A SA

ISSUED: September 17 1992

BY: John Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

NOV 7 1992 SPRINT MISSOURI, INC. d/b/a SPRINT First Revised Page 376 Cancels Original Page 376

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7. <u>Special Access Service</u> (Cont'd)

- 7.5 Rates and Charges (Cont'd)
 - 7.5.2 Reserved For Future Use (Cont'd)

FILED MAR 1 0 2000

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Cancelled

April 30, 2007 Missouri Public Service Commission ISSUED: February 9, 2000

Richard D. Lawson State Executive, External Affairs

EFFECTIVE: March 10, 2000

UNITED TELEPHONE COMPANY OF MISSOURI

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7.	<u>Speci</u>	ACCESS al Access Service (Cont'd)	SERVICE	SE	03 and 4 29 17 1802
	7.5	Rates and Charges (Cont'd)			and a second
		7.5.2 Telegraph Grade Service	(Cont'd)	Monthly	Nonrecurring
			USOC	<u>Rates</u>	Charges
		(C) Optional Features as Functions (1) Telegraph Bridg:			
		Two-Wire and For -Per port			
		-Two-Wire	BCNT2	ICB	ICB
		-Four Wire	BCNT4	ICB	ICB

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MAR 1 0 2000 By 1SF RP374 Public Service Commission MISSOURI

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NOV 7 1992

MO. PUBLIC SERVICE COMM.

EFFECTIVE: NOV 7 1992

ISSUED: September 17 1992 BY: John Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211 Embarq Missouri, Inc. d/b/a Embarq Ninth Revised Page 377 Cancels Eighth Revised Page 377

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service

		Monthly <u>Rates</u>	Nonrecurring Charges
(A)	<u>Channel Termination</u> - Per point of termination - Two-wire	\$26.70 (I)	\$220.00 (I)
	- Four-Wire	\$42.40 (I)	\$220.00 (I)

- (B) <u>Reserved for Future Use</u>
- (C) <u>Reserved for Future Use</u>

ISSUED: December 3, 2007

CANCELLED November 1, 2021 Missouri Public Service Commission JI-2022-0069 Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: January 30, 2008

> FILED Missouri Public Service Commission

Embarq Missouri, Inc. d/b/a Embarq Eighth Revised Page 377 Cancels Seventh Revised Page 377

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service

		Monthly <u>Rates</u>	Nonrecurring <u>Charges</u>
(A)	<u>Channel Termination</u> - Per point of termination - Two-wire	\$25.70	\$211.68
	- Four-Wire	\$40.40	\$211.68

(B) <u>Reserved for Future Use</u>

(C) Reserved for Future Use

ISSUED: March 30, 2007

CANCELLED January 30, 2008 Missouri Public Service Commission Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: April 30, 2007



SPRINT MISSOURI, INC. d/b/a SPRINT

Seventh Revised Page 377 Cancels Sixth Revised Page 377

ACCESS SERVICE

7. Special Access Service (Cont'd)

- 7.5 Rates and Charges (Cont'd)
 - 7.5.3 Voice Grade Service

	Monthly Rates	Nonrecurring Charges	
Channel Termination Per point of			
- Two-wire	\$25.70	\$211.68	(1)
- Four-Wire	\$40.40	\$211.68	(1)
	 Per point of termination Two-wire 	Channel Termination Rates - Per point of termination - Two-wire \$25.70	RatesChargesChannel TerminationPer point of termination - Two-wire\$25.70\$211.68

- (B) Reserved For Future Use
- (C) Reserved For Future Use

ISSUED: December 2, 2005

Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: January 18, 2006



Cancelled April 30, 2007 Missouri Public Service Commission

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SPRINT MISSOURI, INC. d/b/a SPRINT

Sixth Revised Page 377 Cancels Fifth Revised Page 377

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service

		Monthly <u>Rates</u>	Nonrecurring Charges	
(A)	<u>Channel Termination</u> - Per point of termination - Two-wire	\$24.49	\$211.68	(1)
	- Four-Wire	\$38.49	\$211.68	(1)

- (B) <u>Reserved For Future Use</u>
- (C) <u>Reserved For Future Use</u>

ISSUED: December 3, 2004

Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: January 18, 2005

SPRINT MISSOURI, INC. d/b/a SPRINT

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Fifth Revised Page 377 Cancels Fourth Revised Page 377

			ACCESS	SERVICE	Miss	ourl Public	
Specia	al Access	<u>Servic</u>	e (Cont'd)		מבריה (OCT 31 2003	
7.5	7.5 Rates and Charges (Cont'd)				KECD OCT OT 5000		
	7.5,3	5.3 Voice Grade Service			Service Commission		
					Monthly <u>Rates</u>	Nonrecurring Charges	
	·	(A)	<u>Channel Terminati</u> - Per point o terminatior - Two-wire	n n	\$ 22.68 (I)	\$196.00 (I)	
			- Four-Wir	e	\$35.64 (l)	\$196.00 (l)	

(B) Reserved For Future Use

(C) Reserved For Future Use

CANCELLED

JAN 1 8 2005 By Commission Public Service Commission MISSOURI

Richard D. Lawson State Executive, External Affairs	EFFECTIVE:
319 Madison Jefferson City, MO 65101 Misseyri Pi Service Comf	JAN 1 7 2004
FILED JAN 1	7 2004

ISSUED: October 31, 2003

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SPRINT MISSOURI, INC. d/b/a SPRINT

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Fourth Revised Page 377 Cancels Third Revised Page 377

Missouri Public

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

Rates and Charges (Cont'd)

7.5.3 Voice Grade Service

RECD OCT 2 5 2002

Service Commission

		Monthly <u>Rates</u>	Nonrecurring Charges
(A)	<u>Channel Termination</u> - Per point of termination - Two-wire	\$21.00 (I)	\$181.50
	- Four-Wire	\$33.00 (1)	\$181.50

- (B) Reserved For Future Use
- (C) Reserved For Future Use

JAN 17 2004 Public Se

ISSUED: October 25, 2002 Richard D. Lawson State Executive, External Affair Aissourt Public 319 Madison Service Commission Dec 1 8 2002 Jefferson City, MO 65101 17-03-0170 FILED DEC 1 8 2002

SPRINT MISSOURI, INC. d/b/a SPRINT

Third Revised Page 377 Cancels Second Revised Page 377

÷				ACCESS SERVICE	Missou	ri Public
7.	<u>Specia</u> 7.5			<u>e</u> (Cont'd) <u>arges</u> (Cont'd)		262001
		7.5.3		Grade Service	Service Co	ommission
					Monthly <u>Rates</u>	Nonrecurring Charges
			(A)	<u>Channel Termination</u> - Per point of termination		
				- Two-wire	\$1 9.50 (I)	\$1 81.50 (I)
				- Four-Wire	\$ 31 .00 (I)	\$1 81.50 (I)
			(B)	Reserved For Future Use		

(C) Reserved For Future Use

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DEC 1 8 2002 By HARS 377 Public Service Commission MISSOURI



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ISSUED: October 26, 2001 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 Missofffepublic FILED DEC 11 2001 Serve 2 235 mission SPRINT MISSOURI, INC. d/b/a SPRINT

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Second Revised Page 377 Cancels First RevisedPage 377

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5.3

Rates and Charges (Cont'd)

Voice Grade Service

RECTD OCT 27 2000

Missouri Public Service Commission

- Monthly
RatesNonrecurring
Charges(A)Channel Termination
termination
- Two-wire\$18.18 (I)- Four-Wire\$29.00 (I)\$168.48 (I)
- (B) Reserved For Future Use
- (C) Reserved For Future Use

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Missouri Public Service Commission

FILED DEC 11 2000

EFFECTIVE: December 11,2000

ISSUED: October 27, 2000 October 27, 2000

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Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101

SPRINT MISSOURI, INC. d/b/a SPRINT First Revised Page 377 Cancels Original Page 377

Missouri Public Service Commission

REC'D MAY 03 2000

ACCESS SERVICE

- 7. <u>Special Access Service</u> (Cont'd)
 - 7.5 Rates and Charges (Cont'd)
 - 7.5.3 Voice Grade Service

	Monthly <u>Rates</u>	Nonrecurring Charges	(C)
 (A) <u>Channel Termination</u> - Per point of termination - Two-wire 	\$16.84	\$156.00	(C)
- Four-Wire	\$26.94	\$156.00	(C)

- (B) Reserved For Future Use
- (C) Reserved For Future Use

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DEC 1 1 2000 2 PAR 2 377 Public Service Commission MISSOURI

Missouri Public Servico Commission

FILED JUN 0 2 2000

ISSUED: May 3, 2000

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Richard D. Lawson State Executive, External Affairs EFFECTIVE: June 2, 2000 P.S.C. MO -NO. 26

UNITED TELEPHONE COMPANY OF MISSOURI

Original Page 377

ACCESS SERVICE

- 7. <u>Special Access Service</u> (Cont'd)
 - 7.5 Rates and Charges (Cont'd)
 - 7.5.3 Voice Grade Service

			•	:
SEP) _	•		<u>,</u> ,

Monthly Nonrecurring

		<u>USOC</u>	<u>Rates</u>	Charges
(A)	Channel Terminat: - Per point of termination - Two-wire	ion TME2X		
			\$16.84	\$156.00
	- Four-Wire	TME4X	\$26.94	\$156.00

- (B) Reserved For Future Use
- (C) Reserved For Future Use

CANCELLED

JUN 022000 By 1St RP 377 Public Service Commission MISSOURI

FILED

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MO. PUBLIC SERVICE COMM.

EFFECTIVE: NOV 7 1992

ISSUED: September 17 1992 BY: John Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211 Embarq Missouri, Inc. d/b/a Embarq Ninth Revised Page 378 Cancels Eighth Revised Page 378

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.5 Rates and Charges (Cont'd)
 - 7.5.3 Voice Grade Service (Cont'd)
 - (D) <u>Channel Mileage</u>

Monthly Rates				
Fixed	Per Mile			
\$20.80*	\$1.60			

The Telephone Company applies a 50% billing percentage to the channel mileage fixed rate on jointly owned voice grade circuits and 100% on wholly owned voice grade circuits.

ISSUED: March 30, 2007

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CANCELLED November 1, 2021 Missouri Public Service Commission JI-2022-0069 Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: April 30, 2007



SPRINT MISSOURI, INC. d/b/a SPRINT Eighth Revised Page 378 Cancels Seventh Revised Page 378 こうおお湯 おいい

ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.5 Rates and Charges (Cont'd)
 - 7.5.3 Voice Grade Service (Cont'd)

(D) Channel Mileage

Mont	ates		
Fixed		Per Mile	
\$20.80*		\$1.60	(1)

The Telephone Company applies a 50% billing percentage to the channel mileage fixed rate on jointly owned voice grade circuits and 100% on wholly owned voice grade circuits.

ISSUED: December 2, 2005

Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: January 18, 2006



Cancelled April 30, 2007 Missouri Public Service Commission SPRINT MISSOURI, INC. d/b/a SPRINT

Seventh Revised Page 378 Cancels Sixth Revised Page 378

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

(D) Channel Mileage

Monthh		
Fixed	Per Mile	
\$19.82*	\$1.55	(1)

The Telephone Company applies a 50% billing percentage to the channel mileage fixed rate on jointly owned voice grade circuits and 100% on wholly owned voice grade circuits.

ISSUED: December 3, 2004

Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: January 18, 2005

SPRINT MISSOURI, INC. d/b/a SPRINT

Sixth Revised Page 378 Cancels Fifth Revised Page 378

Missouri Public

ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.5 Rates and Charges (Cont'd)
 - Voice Grade Service (Cont'd) 7.5.3
 - (D) Channel Mileage

RECTD OCT 31 2003

Service Commission

Monthiy Rates					
Fixed		Per Mile			
\$18.36*	(I)	\$1.44 (1)			

CANCELLED

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Commission

The Telephone Company applies a 50% billing percentage to the channel mileage fixed rate on

Public Set

ISSUED: October 31, 2003

Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101

jointly owned voice grade circuits and 100% on wholly owned voice grade circuits.

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JAN 1 7 2004

Missouri Public Service Commission 17-2004-0029 FILED JAN 172004

SPRINT MISSOURI, INC. d/b/a SPRINT

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Fifth Revised Page 378 Cancels Fourth Revised Page 378 **Missouri Public**

ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.5 Rates and Charges (Cont'd)
 - 7.5.3 Voice Grade Service (Cont'd)
 - (D) Channel Mileage

Public

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Service Commission

<u>Monthl</u>		
Fixed		
\$17.00*	\$1.35	(1)

JAN 17 2004

The Telephone Company applies a 50% billing percentage to the channel mileage fixed rate on jointly owned voice grade circuits and 100% on wholly owned voice grade circuits.

ission

ISSUED: October 25, 2002 Richard D. Lawson State Executive, External Affairs Missouri Public 319 Madison Jefferson City, MO 65101 IT-03-0170 FLED DEC 1.8 2002 SPRINT MISSOURI, INC. d/b/a SPRINT

Fourth Revised Page 378 Cancels Third Revised Page 378

ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.5 Rates and Charges (Cont'd)
 - 7.5.3 Voice Grade Service (Cont'd)
 - (D) <u>Channel Mileage</u>

Missouri Public

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Service Commission

Monthly Rates Fixed Per Mile

\$15.75* (I) \$1.25 (I)

CANCELLED

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The Telephone Company applies a 50% billing percentage to the channel mileage fixed rate on jointly owned voice grade circuits and 100% on wholly owned voice grade circuits.



ISSUED: October 26, 2001 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 Misserei Public December 11, 2001 FILED DEC 11 2001 0 2 - 2 5 1 Service Commission SPRINT MISSOURI, INC. d/b/a SPRINT

Third Revised Page 378 Cancels Second Revised Page 378

ACCESS SERVICE

7. Special Access Service (Cont'd)

- 7.5 Rates and Charges (Cont'd)
 - 7.5.3 Voice Grade Service (Cont'd)
 - Channel Mileage (D)

REC'D OCT 27 2000

Missouri Public Servisé Commission

Monthly Rates Fixed Per Mile

\$14.60* (I) \$1.19 (I)

CANCELLED

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FILED DEC 11 2000

The Telephone Company applies a 50% billing percentage to the channel mileage fixed rate on jointly owned voice grade circuits and 100% on wholly owned voice grade circuits.

ISSUED: October 27, 2000

Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101

EFFECTIVE: December 11, 2000 (T)



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Second Revised Page 378 Cancels First Revised Page 378

Missouri Public Service Commission

RECTD MAY 03 2000

ACCESS SERVICE

7. Special Access Service (Cont'd)

- 7.5 Rates and Charges (Cont'd)
 - 7.5.3 <u>Voice Grade Service</u> (Cont'd)
 - (D) Channel Mileage

<u>Monthly</u>	y Rates	(C)
Fixed	Per Mile	(C)
\$13.52*	\$1.11	(D) (C) {D)

E (D)

CANCELLED

DEC 1 1 2000 By 3Nd RP 378 **Public Service Commission** MISSOURI

Service Commission

FILED JUN 0 2 2000

* The Telephone Company applies a 50% billing percentage to the channel mileage fixed rate on jointly owned United voice grade circuits, and 100% on wholly owned United voice grade circuits.

ISSUED: May 3, 2000

Richard D. Lawson State Executive, External Affairs

EFFECTIVE: June 2, 2000

UNITED TELEPHONE COMPANY OF MISSOURI First Revised Page 378 Cancels Original Page 378

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 <u>Voice Grade Service</u> (Cont'd)

(D) Channel Mileage

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MISSOURI Public Service Commission

<u>Mileage Bands</u>		Monthly Rates		
	USOC	Fixed	Per Mile	
0	1L5 XX	None	None	
Over 0 to 4	1L5XX	\$13.52*	\$1.11	(C)
Over 4 to 8	1L5XX	\$13.52*	\$1.11	` `
Over 8 to 25	1L5XX	\$13.52*	\$1.11	
Over 25 to 50	1L5XX	\$13.52*	\$1.11	4
Over 50	1L5XX	\$13.52*	\$1.11	(Ċ)

*The Telephone Company applies a 50% billing percentage to the channel mileage fixed rate on jointly owned United voice grade circuits, and 100% on wholly owned United voice grade circuits.

CANCELLED

JUN 0 2 2000 By 2^{NS} R P 378 Public Service Commission MISSOURI

JUL 5 1994

MISSOURI Public Service Commission

EFFECTIVE DATE: July 5, 1994

ISSUED: June 2, 1994 John L. Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

UNITED TELEPHONE COMPANY OF MISSOURI

ACCESS SERVICE

- 7. <u>Special Access Service</u> (Cont'd)
 - 7.5 <u>Rates and Charges</u> (Cont'd)
 - 7.5.3 Voice Grade Service (Cont'd)
 - (D) Channel Mileage

<u>Mileage Bands</u>	<u>Monthly Rates</u>		
	USOC	Fixed	<u>Per Mile</u>
0	1L5XX	None	None
Over 0 to 4	1L5XX	\$9.40	\$1.11
Over 4 to 8	1L5XX	\$9.40	\$1.11
Over 8 to 25	1L5XX	\$9.40	\$1.11
Over 25 to 50	1L5XX	\$9.40	\$1.11
Over 50	1L5XX	\$9.40	\$1.11

CANCELLED

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MO. PUBLIC SERVICE COMM.

EFFECTIVE: and the second se NOV 7 1992

ISSUED: September 17 1992

BY: John Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

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Mileage Bands

Embarq Missouri, Inc. d/b/a Embarq

Seventh Revised Page 379 Cancels Sixth Revised Page 379

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

					Monthly Rates	Nonrecurring Charges
(E))	<u>Optior</u>	nal Featu	ures and Functions		
		(1)	Bridgi	ng		
			(a)	Voice Bridging		
				Two-Wire/Four-Wire - Per port - Two-Wire	ICB	ICB
				- Four-Wire	\$5.90 (I)	\$50.00 (I)

ISSUED: December 3, 2007

CANCELLED November 1, 2021 Missouri Public Service Commission JI-2022-0069 Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: January 30, 2008

> FILED Missouri Public Service Commission

Embarq Missouri, Inc. d/b/a Embarq Sixth Revised Page 379 Cancels Fifth Revised Page 379

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

				Monthly Rates	Nonrecurring Charges
(E)	<u>Optior</u>	nal Featu	ures and Functions		
	(1)	Bridgiı	ng		
		(a)	Voice Bridging		
			Two-Wire/Four-Wire - Per port - Two-Wire	ICB	ICB
			- Four-Wire	\$5.67	\$48.60

ISSUED: March 30, 2007

CANCELLED January 30, 2008 Missouri Public Service Commission Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: April 30, 2007



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Fifth Revised Page 379 Cancels Fourth Revised Page 379 Missouri Public

ACCESS SERVICE

7. Special Access Service (Cont'd)

Rates and Charges (Cont'd)

(E)

RECT OCT 31 2003

Service Commission

7.5.3 Voice Grade Service (Cont'd) Monthly Nonrecurring Charges Rates **Optional Features** and Functions (1) Bridging Voice Bridging (a) Two-Wire/Four-Wire - Per port - Two-Wire ICB **ICB**

\$5.87 (1)

- Four-Wire

\$48.60 (1)

ISSUED: October 31, 2003

Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101

EFFECTIVE: Constant in 17

JAN 1 7 2004

Service Commission

Cancelled April 30, 2007 Missouri Public Service Commission



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Fourth Revised Page 379 Cancels Third Revised Page 379 Missouri Public

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5.3

Rates and Charges (Cont'd)

(E)

Service Commission

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Voice Grade Service (Cont'd) Monthly Nonrecurring Charges Rates **Optional Features** and Functions Bridging (1)(a) Voice Bridging Two-Wire/Four-Wire

- Per port		
- Two-Wire	ICB	ICB

- Four-Wire

\$5.25 (1) \$45.00

JAN 17 2004 JAN 17 2004 SHNRS379 Nissouri Missouri ission



ISSUED: October 25, 2002



SPRINT MISSOURI, INC. d/b/a SPRINT

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Third Revised Page 379 Cancels Second Revised Page 379

Missouri Public

ACCESS SERVICE

REC'D OCT 2 6 2001 Special Access Service (Cont'd) 7.5 Rates and Charges (Cont'd) Service Commission 7.5.3 Voice Grade Service (Cont'd) Monthly Nonrecurring Rates Charges (E) **Optional Features** and Functions (1)Bridging Voice Bridging (a) Two-Wire/Four-Wire - Per port - Two-Wire **ICB** ICB

\$5.00 (I)



- Four-Wire

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ISSUED: October 26, 2001

Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101

EFFECTIVE: December 11, 2001 MISSOUTI Public

\$45.00 (I)

FILED DEC 11 2001 Service Commission
SPRINT MISSOURI, INC. d/b/a SPRINT

7.5

Special Access Service (Cont'd)

7.5.3

Rates and Charges (Cont'd)

(E)

Voice Grade Service (Cont'd)

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Second Revised Page 379 Cancels First Revised Page 379

ACCESS SERVICE

Missouri Public Service Commission

RECD OCT 27 2000

			Monthly Rates	Nonrecurring <u>Charges</u>				
	nal Fo	eatures ons						
(1)	Bridg	idging						
	(a)	Voice Bridging						
		Two-Wire/Four-Wire - Per port - Two-Wire	ICB	ICB				

- Four-Wire \$4.93 \$42.12 (I)

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Service Commission FILED DEC 11 2000

ISSUED: October 27, 2000 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: December 11, 2000



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First Revised Page 379 Cancels Original Page 379

Missouri Public Service Commission

REC'D MAY 03 2000

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

- 7.5 Rates and Charges (Cont'd)
 - 7.5.3 Voice Grade Service (Cont'd)

			Monthly Rates	Nonrecurring Charges	(C)
(1)	Brid	dging			
	(a)	Voice Bridging			
		Two-Wire/Four-Wire - Per port - Two-Wire	ICB	ICB	(C)
	and	and Func	(a) <u>Voice Bridging</u> Two-Wire/Four-Wire - Per port	<u>Rates</u> <u>Optional Features</u> <u>and Functions</u> (1) Bridging (a) <u>Voice Bridging</u> <u>Two-Wire/Four-Wire</u> - Per port	<u>Rates</u> <u>Charges</u> <u>Optional Features</u> <u>and Functions</u> (1) Bridging (a) <u>Voice Bridging</u> <u>Two-Wire/Four-Wire</u> - Per port

- Four-Wire \$4.93 \$39.00 (C)

CANCELLED

DEC 1 1 2000 By 2ND RP 379 Public Service Commission MISSOURI

> Missouri Public Service Commission

FILED JUN 0 2 2000

ISSUED: May 3, 2000 Richard D. Lawson State Executive, External Affairs EFFECTIVE: June 2, 2000

UNITED TELEPHONE COMPANY OF MISSOURI

Original Page 379

ACCESS SERVICE

<u>Special_Access_Servic</u>		SEP 17 CEE		
7.5 <u>Rates and Charg</u>	7.5 <u>Rates and Charges</u> (Cont'd)			
7.5.3 <u>Voice Gra</u>				
		USOC	Monthly <u>Rates</u>	Nonrecurring Charges
	onal Features Functions			
(1)	Bridging			
	(a) <u>Voice Bridging</u>			
	Two-Wire/Four-W -Per port -Two-Wire	ire BCNV2		
			ICB	ICB

- Four-Wire BCNV4

\$4.93 \$39.00

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ISSUED: September 17 1992 BY: John Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211 FILED

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Seventh Revised Page 380 Cancels Sixth Revised Page 380

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

				Monthly Rates	Nonrecurring Charges
(E)	<u>Optio</u>	nal Feat	tures and Functions (Co	nt'd)	
	(1)	Bridg	ing (Cont'd)		
		(b)	Data Bridging		
			Two-Wire/Four-Wire - Per port - Two-Wire	\$3.50 (I)	\$50.00 (I)
			- Four-Wire	\$4.80 (I)	\$50.00 (I)

ISSUED: December 3, 2007

CANCELLED November 1, 2021 Missouri Public Service Commission JI-2022-0069 Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: January 30, 2008

> FILED Missouri Public Service Commission

Sixth Revised Page 380 Cancels Fifth Revised Page 380

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

				Monthly Rates	Nonrecurring Charges
(E)	<u>Optio</u>	nal Feat	tures and Functions (Co	ont'd)	
	(1)	Bridg	ing (Cont'd)		
		(b)	Data Bridging		
			Two-Wire/Four-Wire - Per port - Two-Wire	\$3.39	\$48.60
			- Four-Wire	\$4.59	\$48.60

ISSUED: March 30, 2007

CANCELLED January 30, 2008 Missouri Public Service Commission Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211



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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.5 Rates and Charges (Cont'd)
 - 7.5.3 Voice Grade Service (Cont'd)

REC'D OCT 31 2003

Missouri Public

Service Commission

Monthly	Nonrecurring
Rates	Charges

- (E) <u>Optional Features</u> and Functions (Cont'd)
 - (1) Bridging (Cont'd)
 - (b) Data Bridging

Two-Wire/Four-Wire - Per port - Two-Wire	\$3.39 (I)	\$ 48.60 (I)

\$4.59 (1)

- Four-Wire

\$48.60 (1)

ISSUED: October 31, 2003

Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101



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Miseouri Public Service Communications /7-2004-0229 FILED JAN 17 2004



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Fourth Revised Page 380 Cancels Third Revised Page 380

Missouri Public

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ACCESS SERVICE

<u>Speci</u>	Special Access Service (Cont'd)					RECD OCT 25 2002		
7.5	7.5 Rates and Charges (Cont'd)					Service Commissio		
	7.5.3	<u>Voice</u>	Grade S	Service	(Cont'd)			
						Monthly Rates	Nonrecurring Charges	
		(E)		nal Feat	<u>tures</u> s_(Cont'd)			
			(1)	Bridg	ing (Cont'd)			
				(b)	Data Bridging			
					Two-Wire/Four-Wire - Per port - Two-Wire	\$3.15(I)	\$45.00	
					- Four-Wire	\$4.25 (1)	\$45.00	

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ISSUED: October 25, 2002 Richard D. Lawson State Executive, External Affairs Missouri Public 319 Madison Service Commission Jefferson City, MO 65101 (7.03.0170) DEC 182002 FIED DEC 182002

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Third Revised Page 380 Cancels Second Revised Page 380

				ACC	CESS SERVICE	Miss	souri Public	
<u>Specia</u>	al Access	<u>Service</u>	e (Cont'o					
7.5	Rates	and Cha	arges (C	ont'd)		Rec'D	OCT 262001	
	7.5.3	Voice	<u>Grade S</u>	ervice (Cont'd)	Service Commissior		
						Monthly <u>Rates</u>	Nonrecurring Charges	
		(E)		unctions	<u>ures</u> (Cont'd)			
			(1)	Bridgi	ng (Cont'd)			
				(b)	Data Bridging			
					Two-Wire/Four-Wire - Per port - Two-Wire	\$3.00 (I)	\$45.00 (I)	
					- Four-Wire	\$4.00 (I)	\$45.00 (I)	

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DEC 1 8 2002 444R S 380 Publis Groupe Complexica

ISSUED: October 26, 2001 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 Missoury Pheblic December 11, 2001

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Second Revised Page 380 Cancels First Revised Page 380

ACCESS SERVICE

Service Commission RECD OCT 27 2000

<u>Specia</u>	al Access	Service	e (Cont	ľd)			
7.5	<u>Rates a</u>	and Cha	arges ((Cont'o	(t		REC'D OCT 27
	7.5.3	<u>Voic</u>	e Grad	le <u>S</u> er	<u>vice</u> (Cont'd)		
						Monthly Rates	Nonrecurring <u>Charges</u>
		(E)			<u>eatures</u> ions (Cont'd)		
			(1)	Brid	ging (Cont'd)		
				(b)	Data Bridging		
					Two-Wire/Four-Wire - Per port - Two-Wire	\$2.72	\$42.12. (I)
					- Four-Wire	\$3.89	\$42.12 (I)

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Missouri Public Service Commission FILED DEC 11 2000

ISSUED: October 27, 2000 October 27, 2000

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Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: December 11, 2000

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Missouri Public Service Commission

7. <u>Special Access Service</u> (Cont'd)

- 7.5 <u>Rates and Charges</u> (Cont'd)
 - 7.5.3 <u>Voice Grade Service</u> (Cont'd)

REC'D MAY 03 2000

			Monthly Rates	Nonrecurring Charges	(C)
(E)	and Func	<u>Features</u> tions (Cont'd)			
	(1) Brid	lging (Cont'd)			
	(b)	Data Bridging			
		Two-Wire/Four-Wire - Per port - Two-Wire	\$2.72	\$39.00	(C)
		- Four-Wire	\$3.89	\$39.00	(C)

CANCELLED

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> Missouri Public Service Commission

FILED JUN 02 2000

ISSUED: May 3, 2000

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Richard D. Lawson State Executive, External Affairs EFFECTIVE: June 2, 2000

UNITED TELEPHONE COMPANY OF MISSOURI	Original Page 380		
ACCESS SERVICE		.7 1082	
7. <u>Special Access Service</u> (Cont'd)			
7.5 <u>Rates and Charges</u> (Cont'd)	an a	- Andre Consider	
7.5.3 <u>Voice Grade Service</u> (Cont'd)			
USOC	Monthly <u>Rates</u>	Nonrecurring Charges	
(E) Optional Features and Functions (Cont'd)			
(1) Bridging (Cont'd)			
(b) <u>Data Bridging</u>			
Two-Wire/Four-Wire -Per port -Two-Wire BCND2			
	\$2.72	\$39.00	
-Four-Wire BCND4			
	\$3.89	\$39.00	

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EFFECTIVE: NOV 7 1992

ISSUED: September 17 1992

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BY: John Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

Second Revised Page 381 Cancels First Revised Page 381

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

				Monthly Rates	Nonrecurring Charges
(E)	<u>Optio</u>	nal Feat	ures and Functions (Con	ťd)	
	(1)	Bridg	ing (Cont'd)		
		(c)	Telephoto Bridging		
			Two-Wire/Four-Wire - Per port - Two-Wire	ICB	ICB
			- Four-Wire	ICB	ICB

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CANCELLED November 1, 2021 Missouri Public Service Commission JI-2022-0069 Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211



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Missouri Public Service Commission

ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.5 Rates and Charges (Cont'd)

(E)

7.5.3 Voice Grade Service (Cont'd)

REC'D MAY 0 3 2000

		Monthly Rates	Nonrecurring Charges	(C)
	Features tions (Cont'd)			
(1) Brid	lging (Cont'd)			
(c)	Telephoto Bridging			
	Two-Wire/Four-Wire			
	- Per port - Two-Wire	ICE	ICB	(C)
	- IMO-WILE	ICH	ICB	161



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FILED JUN 0 2 2000

Cancelled April 30, 2007 Missouri Public Service Commission

UNITED TELEPHONE COMPANY OF MISSOURI

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ACCESS SERVICE

- 7. <u>Special Access Service</u> (Cont'd)
 - 7.5 <u>Rates and Charges</u> (Cont'd)

(E)

7.5.3 Voice Grade Service (Cont'd)

Original	Page	381
	:	
SEP 17 (B	2	
1	- -	

	USOC	Monthly <u>Rates</u>	Nonrecurring Charges
Optional Features and Functions (Cont'd)			
(1) Bridging (Cont'd)		
(c) <u>Telephoto Br</u>	idging		
Two-Wire/Fou -Per port	r-Wire		
-Two-Wire	BCNF2	ICB	ICB
n	DONE/		
-Four-Wire	BCNF4	ICB	ICB

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ISSUED: September 17 1992 BY: John Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

Second Revised Page 382 Cancels First Revised Page 382

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

(E)

7.5.3 Voice Grade Service (Cont'd)

			Monthly Rates	Nonrecurring Charges
<u>Option</u>	al Featu	res and Functions (Cont	d)	
(1)	Bridgir	ng (Cont'd)		
	(d)	DATATPHONE Select- Station Bridging	<u>A-</u>	
	Sequential Arrangement Ports			
		- Per 2 Wire channel connected	ICB	ICB
		- Per 4-Wire channel connected	ICB	ICB

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REC'D MAY 0 3 2000

ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.5 Rates and Charges (Cont'd)
 - 7.5.3 Voice Grade Service (Cont'd)

				Monthly _Rates	Nonrecurring Charges	(C)
(E)			Features tions (Cont'd)			
	(1)	Brid	dging (Cont'd)			
		(d)	DATATPHONE Select Station Bridging			
			Sequential Arran Ports	gement		
			- Per 2 Wire channel connected	ICB	ICB	(¢)
			- Per 4-Wire channel connected	ICB	ICB	(C)

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Original Page 382

ACCESS SERVICE

SEP 17 1882 7. Special Access Service (Cont'd) 7.5 Rates and Charges (Cont'd) 7.5.3 Voice Grade Service (Cont'd) Monthly Nonrecurring USOC Charges <u>Rates</u> (E) **Optional Features** and Functions (Cont'd) (1) Bridging (Cont'd) (d) DATATPHONE Select-A-Station Bridging Sequential Arrangement Ports

-Per 2 Wire channel connected DQ2

ICB ICB -Per 4-Wire channe1 DQ4 connected ICB ICB

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JUN 0 2 2000 151 RP 382 B٧ Public Service Commission MISSOURI

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Second Revised Page 383 Cancels First Revised Page 383

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

(E)

7.5.3 Voice Grade Service (Cont'd)

			Monthly Rates	Nonrecurring Charges		
<u>Option</u>	al Featu	i <u>res and Functions</u> (Con	ťd)			
(1)	Bridgir	ng (Cont'd)				
	(d)	DATATPHONE Select Station Bridging (Cont				
		Addressable Arrangement Ports				
		- Per 2 Wire channel connected	ICB	ICB		
		 Per 4-Wire channel connected 	ICB	ICB		

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.5 Rates and Charges (Cont'd)
 - 7.5.3 Voice Grade Service (Cont'd)

Sarvice Commission

REC'D MAY 03 2000

Monthly	Nonrecurring	
Rates	Charges	(C)

(E) <u>Optional Features</u> and <u>Functions</u> (Cont'd)

(1) Bridging (Cont'd)

(d) <u>DATATPHONE Select-A-</u> <u>Station Bridging</u> (Cont'd)

> Addressable Arrangement Ports

- Per 2-Wire channel connected	ICB	ICB	(C)
- Per 4-Wire channel connected	ICB	ICB	(0)

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ACCESS SERVICE

7.	<u>Spec</u>	ial Access Service (Cont'd)	
	7.5	Rates and Charges (Cont'd)	
		7.5.3 <u>Voice Grade Service</u> (Cont'd)	1
			USOC

		USOC	Monthly <u>Rates</u>	Nonrecurring <u>Charges</u>
(E)	Optional Features and Functions (Cont'd)			
	 (1) Bridging (Cont'd) (d) <u>DATATPHONE Select</u> Station Bridging Addressable Arran 	(Cont'd)		
	Ports - Per 2-Wire channel connected	KQ2	ICB	ICB
	- Per 4-Wire channel connected	KQ4	ICB	ICB

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ISSUED: September 17 1992

BY: John Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

Second Revised Page 384 Cancels First Revised Page 384

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

		、		,	Monthly Rates	Nonrecurring Charges
(E)	<u>Optior</u>	nal Featu	ires	and Functions (Cont	'd)	
	(1)	Bridgir	ng (C	Cont'd)		
		(e)		lemetry and arm Bridging		
				tive Bridging annel Connections		
			Sp	lit Bank		
			-	Per channel connected	ICB	ICB

ISSUED: March 30, 2007

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Missouri Public Service Commission

REC'D MAY 0 3 2000

ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.5 Rates and Charges (Cont'd)
 - 7.5.3 Voice Grade Service (Cont'd)

(E) Optional Features

	Monthly Rates	Nonrecurring Charges	(C)
Optional Features and Functions (Cont'd)			
(1) Bridging (Cont'd)			

ICB

(C)

ICB

- (e) Telemetry and Alarm Bridging
 - Active Bridging Channel Connections
 - Split Bank
 - Per channel connected

ISSUED: May 3, 2000

Richard D. Lawson State Executive, External Affairs

EFFECTIVE: June 2, 2000

Sorvice Commission

FILED JUN 0 2 2000

Cancelled April 30. 2007 Missouri Public Service Commission

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.5 Rates and Charges (Cont'd)
 - 7.5.3 Voice Grade Service (Cont'd)

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SEP 17 1882

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		USOC	Monthly <u>Rates</u>	Nonrecurring <u>Charges</u>
(E)	Optional Features and Functions (Cont'd)			
	(1) Bridging (Cont'd)			
	(e) Telemetry and <u>Alarm Bridging</u>	L.		
	Active Bridgin Channel Connec	-		·
	Split Bank			
	- Per channel connected	CNLRX		
			ICB	ICB

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MO. PUBLIC SERVICE COMM.

ISSUED: September 17 1992

BY: John Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

EFFECTIVE:

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Second Revised Page 385 Cancels First Revised Page 385

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

(E)

7.5.3 Voice Grade Service (Cont'd)

			Monthly Rates	Nonrecurring Charges
<u>Optio</u>	nal Fea	atures and Functions (Con	ťd)	
(1)	Brid	ging (Cont'd)		
	(e)	<u>Telemetry and</u> <u>Alarm Bridging</u> (Cont'd)		
		Summation		
		- Per channel connected	ICB	ICB
		Passive Bridging Channel Connections		
		- Per channel connected	ICB	ICB

ISSUED: March 30, 2007

CANCELLED November 1, 2021 Missouri Public Service Commission JI-2022-0069 Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211



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First Revised Page 385 Cancels Original Page 385

ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.5 Rates and Charges (Cont'd)
 - 7.5.3 Voice Grade Service (Cont'd)

Missouri Public Service Commission

REC'D MAY 03 2000

			Monthly Rates	Nonrecurring Charges	(C)
(E)		l Features ctions (Cont'd)			
	(1) Br:	idging (Cont'd)			
	(e)		nt'd)		
		Summation			
		- Per channel connected	ICB	ICB	(C)
		Passive Bridging Channel Connecti			
		- Per channel connected	ICB	ICB	(C)

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ISSUED: May 3, 2000 Richard D. Lawson State Executive, External Affairs EFFECTIVE: June 2, 2000

Cancelled April 30, 2007 Missouri Public Service Commission

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	ACCESS SERVICE		
7.	Special Access Service (Cont'd)	SEP	17 1882
	7.5 <u>Rates and Charges</u> (Cont'd)	، ، ، ، ، ،	المورد التوجيد معجمه مراجع القارب المحمه الألي
	7.5.3 <u>Voice Grade Service</u> (Cont'd) <u>USOC</u>	Monthly <u>Rates</u>	Nonrecurring Charges
	(E) Optional Features and Functions (Cont'd)		,
	(1) Bridging (Cont'd)		
	(e) <u>Telemetry and</u> <u>Alarm Bridging</u> (Cont'd)		
	Summation		
	- Per channel connected BCNSA	!	
		ICB	ICB
	Passive Bridging Channel Connections		
	- Per channel connected BCNTP	ICB	ICB

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ISSUED: September 17 1992

BY: John Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

				Monthly Rates	Nonrecurring Charges
(E)	<u>Optior</u>	nal F	eatures and Functions (Cont	d)	
	(2)	С	onditioning		
		-	Per point of termination		
			С-Туре	\$1.70 (I)	\$50.00 (I)
			Sealing Current	None	None

ISSUED: December 3, 2007

CANCELLED November 1, 2021 Missouri Public Service Commission JI-2022-0069 Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: January 30, 2008

> FILED Missouri Public Service Commission

Sixth Revised Page 386 Cancels Fifth Revised Page 386

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

			Monthly Rates	Nonrecurring Charges
(E)	<u>Optio</u>	nal Features and Functions	(Cont'd)	
	(2)	Conditioning		
		- Per point of termination	n	
		C-Type	\$1.62	\$48.60
		Sealing Current	None	None

ISSUED: March 30, 2007

CANCELLED January 30, 2008 Missouri Public Service Commission Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211



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Missouri Public

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Service Commission

Nonrecurring

Charges

\$48.60 (1)

ACCESS SERVICE

7. Special Access Service (Cont'd)

- 7.5 Rates and Charges (Cont'd)
 - 7.5.3 Voice Grade Service (Conl'd)
 - (E) Optional Features and Functions (Cont'd)
 - (2) Conditioning
 - Per point of termination

C-Type

Sealing Current

None

\$1.62 (1)

Monthly

Rates

None

ISSUED: October 31, 2003

Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE:

JAN 1 7 2004

Missouri Public Bervice Commission 17-2004-0229 FILED JAN 7 7 2004



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Fourth Revised Page 386 Cancels Third Revised Page 386

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7.	Special Access Service (Cont'd)						RECD OCT 25 2002			
	7.5	<u>Rates ar</u>	d Cha	<u>rges</u> (Cont'd)		Service Commission			
		7.5.3	Voice	e Grad	<u>le Service</u> (Cont'd)					
							Monthly Rates	Nonrecurring <u>Charges</u>		
			(E)		onal Features Functions (Cont'd)					
				(2)	Conditioning					
					- Per point of termination					
					С-Туре		\$ <i>1.50</i> (I)	\$45.00		

Sealing Current None None





ISSUED: October 25, 2002 Richard D. Lawson State Executive, External Affait **Missourd Public** 319 Madison Service Commission Jefferson City, MO 65101 17-03-6170 DEC 182002 FLED DEC 182002

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				ACCESS SERVICE	Mis	souri Public	
<u>Specia</u>	al Access	Service	e (Con	ťd)	05AID	ለሶና \$ @ 2001	
7.5	<u>Rates a</u>	nd Cha	irges (Cont'd)	RECD	OCT 262001	
	7.5.3	<u>Voic</u>	<u>e Gra</u>	de Service (Cont'd)	Servic	e Commissior	ł
					Monthly Rates	Nonrecurring Charges	
		(E)		on <u>al Features</u> Functions (Cont'd)			
			(2)	Conditioning			
				- Per point of termination			
				С-Туре	\$1 .40 (I)	\$45.00 (I)	
				Sealing Current	None	None	



DEC 1 8 2002 C۶ P

ISSUED: October 26, 2001

Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101

Misser 11, 2001 FILED DEC 11 2001 02-251 Service Commission

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Second Revised Page 386 Cancels First Revised Page 386

ACCESS SERVICE

REC'D OCT 27 2000

Special Access Service (Cont'd) 7.5 Rates and Charges (Cont'd) 7.5.3 Voice Grade Service (Cont'd) Nonrecurring Monthly Rates Charges **Optional Features** (E) and Functions (Cont'd) Conditioning (2)- Per point of termination C-Type \$1.21 \$42.12 (I) Sealing Current None None

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Missouri Public Service Commission

FILED DEC 11 2000

EFFECTIVE: December 11, 2000

ISSUED: October 27, 2000 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101



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First Revised Page 386 Cancels Original page 386

Missouri Public Service Commission

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

RECT MAY 03 2000

		Monthly Rates	Nonrecurring Charges	(C)
(E)	Optional Features and Functions (Cont'd)			
	(2) Conditioning			
	- Per point of termination			
	С-Туре	\$1.21	\$39.00	(C)

Sealing Current None None (C)

CANCELLED

DEC 1 1 2000 2 Nd R.P 386 Public Service Commission MISSOURI

> Missouri Public Service Commission

FILED JUN 0 2 2000

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ISSUED: May 3, 2000 Richard D. Lawson State Executive, External Affairs EFFECTIVE: June 2, 2000 P.S.C. MO -NO. 26

UNITED TELEPHONE COMPAN OF MISSOURI	Y			Ori	ginal Page 386
		ACCESS SERVI	CE		· · · · · · · · · · · · · · · · · · ·
7. <u>Special Access Se</u>	<u>rvice</u> (Co	ont'd)		SEP	27 1232
7.5 <u>Rates and C</u>	Charges (C	Cont'd)			المراجع المراجع معالم معال معالم معالم معا
7.5.3 <u>Voice</u>	e Grade Se	ervice (Cont'd)			
			USOC	Monthly <u>Rates</u>	Nonrecurring Charges
(E)		. Features tions (Cont'd)			
	(2) Co	onditioning			
		Per point of termination			
		С-Туре	X1CPT		
				\$1.21	\$39.00

Sealing Current 1HBPT

None None

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JUN 022000 By 1^{5±} RP 384 Public Service Commun. MISSOURI

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NOV 7 1992

MO. PUBLIC SERVICE COMM.

EFFECTIVE: October 17 1992 NOV 7 1992



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BY: John Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

<u>voice (</u>			Monthly Rates	Nonrecurring Charges
(E)	<u>Optic</u>	onal Features and Functions (Cont	d)	
	(3)	Improved Return Loss for Effective Two- Wire or Four-Wire Transmission - Per point of termination		
		- Two-Wire	\$3.50 (I)	\$65.00 (I)
		- Four-Wire	\$3.50 (I)	\$65.00 (I)

ISSUED: December 3, 2007

CANCELLED November 1, 2021 Missouri Public Service Commission JI-2022-0069 Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: January 30, 2008

> FILED Missouri Public Service Commission

Fifth Revised Page 387 Cancels Fourth Revised Page 387

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

			Monthly Rates	Nonrecurring Charges
(E)	Optional Features and Functions (Cont'd)			
	(3)	Improved Return Loss for Effective Two- Wire or Four-Wire Transmission - Per point of termination		
		- Two-Wire	\$3.39	\$63.71
		- Four-Wire	\$3.39	\$63.71

ISSUED: March 30, 2007

CANCELLED January 30, 2008 Missouri Public Service Commission Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211


SPRINT MISSOURI, INC. d/b/a SPRINT

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Fourth Revised Page 387 Cancels Third Revised Page 387

Missouri Public

ACCESS SERVICE

	Speci	al Access	Service	e (Con	ťd)	REC'D OCT 31 2003		
	7,5	Rates a	nd Cha	rges ((Cont'd)			
		7.5.3	Voic	e Gra	de Service (Cont'd)	Servi	ce Commission	
						Monthly Rates	Nonrecurring Charges -	
			(E)		onal Features Functions (Cont'd)			
				(3)	Improved Return Loss for Effective Two- Wire or Four-Wire Transmission - Per point of termination			
					- Two-Wire	\$ 3.39 (I)	\$63.71 (l)	
					- Four-Wire	\$3.39 (I)	\$63.71 (I)	

ISSUED: October 31, 2003

Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE:

JAN 1 7 2004

Missourt Public Service Commission

FILED JAN 1 7 2004

Cancelled April 30, 2007 Missouri Public Service Commission

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Third Revised Page 387 Cancels Second Revised Page 387

Missouri Public

ACCESS SERVICE

					ACCESS SERVICE		
7.	Speci	al Access	Service	<u>e</u> (Cor	RECD OCT 25 2002		
	7.5	<u>Rates a</u>	ates and Charges (Cont'd)		Service Co	mission	
		7.5.3	<u>Voic</u>	e <u>G</u> ra	de Service (Cont'd)		
						Monthly Rates	Nonrecurring <u>Charges -</u>
			(E)		ional Features Functions (Cont'd)		
				(3)	Improved Return Loss for Effective Two- Wire or Four-Wire Transmission - Per point of termination		
					- Two-Wire	\$3.15(1)	\$59.00
					- Four-Wire	\$ <i>3.15</i> (I)	\$59.00

JAN 17 2004 JAN 17 2004 JAN 1 7 2004

ISSUED: October 25, 2002



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Second Revised Page 387 Cancels First Revised Page 387

Ť					ACCESS SERVICE	N/II	ssouri Public	
7.	<u>Specia</u>	al Access	<u>Service</u>	e (Con	ťd)			
	7.5	<u>Rates a</u>	nd Cha	rges (Cont'd)	REC	D OCT 26 2001	
		7.5.3	<u>Voice</u>	e Grad	d <u>e Service</u> (Cont'd)	Servi Monthly <u>Rates</u>	ce Commission Nonrecurring <u>Charges -</u>	
			(E)		onal Features Functions (Cont'd) Improved Return Loss for Effective Two- Wire or Four-Wire Transmission - Per point of termination			
					- Two-Wire	\$3.00 (I)	\$5 9 .00 <i>(1)</i>	
					- Four-Wire	\$3.00 (I)	\$5 9 .00 <i>(I)</i>	

CANCELLED

DEC 1 8 2002 3RdR 2387 By 28

ISSUED: October 26, 2001 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: NESSOUNT, POBLIC

FILED DEC 11 2001 0 2 - 2 5 1 Service Commission

SPRINT MISSOURI, INC. d/b/a SPRINT First Revised Page 387 Cancels Original Page 387

ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.5 Rates and Charges (Cont'd)
 - 7.5.3 <u>Voice Grade Service</u> (Cont'd)

Missouri Public Service Commission

REC'D MAY 03 2000

			Monthly <u>Rates</u>	Nonrecurring Charges	(C)
(E)		ional Features Functions (Cont'd)			
	(3)	Improved Return Loss for Effective Two- Wire or Four-Wire Transmission - Per point of termination			
		- Two-Wire	\$2.91	\$51.00	(C)
		- Four-Wire	\$2.91	\$51.00	(C)

CANCELLED

DEC 1 1 2001 By CRP 387 Public Service Commission MISSOURI

> Missouri Public Service Commission

FILED JUN 0 2 2000

ISSUED: May 3, 2000

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Richard D. Lawson State Executive, External Affairs EFFECTIVE: June 2, 2000

UNITED TELEPHONE COMPANY OF MISSOURI

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Original Page 387

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 <u>Rates and Charges</u> (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

SEP 17 1892

			USOC	Monthly <u>Rates</u>	Nonrecurring Charges
(E)	-	onal Features Functions (Cont'd)		
	(3)	Improved Return for Effective T Wire or Four-Wi Transmission - Per point of termination	wo-		
		- Two-Wire	1RL2W		
				\$2.91	\$51.00
		- Four-Wire	1RL4W		
				\$2.91	\$51.00

CANCELLED

JUN 0 2 2000 By 1st RP 387 Public Service Commission MISSOURI

FILED

NOV 7 1992

MO. PUBLIC SERVICE COMM.

EFFECTIVE:

ISSUED: September 17 1992 BY: John Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211

NOV 7 1992

Embarq Missouri, Inc. d/b/a Embarq

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

			Monthly Rates	Nonrecurring Charges
(E)	<u>Optio</u>	nal Features and Functions (Cont	'd)	
	(4)	Customer Specified Receive Level - Per Two-Wire point of termination	None	None

(5) Reserved for Future Use

ISSUED: March 30, 2007

CANCELLED November 1, 2021 Missouri Public Service Commission JI-2022-0069 Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: April 30, 2007



SPRINT MISSOURI, INC. d/b/a SPRINT First Revised Page 388 Cancels Original Page 388

ACCESS SERVICE

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7. <u>Special Access Service</u> (Cont'd)

(E

- 7.5 Rates and Charges (Cont'd)
 - 7.5.3 Voice Grade Service (Cont'd)

			Monthly Rates	Nonrecurring Charges	(C)
5)		ional Features Functions (Cont'd)			
	(4)	Customer Specified Receive Level - Per Two-Wire point of termination	None	None	(C)
	(5)	Reserved For Future Use			(C) (D)
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ISSUED: February 9, 2000

Richard D. Lawson State Executive, External Affairs EFFECTIVE: March 10, 2000

Cancelled April 30, 2007 Missouri Public Service Commission

UNITED TELEPHONE COMPANY OF MISSOURI

Original Page 388

SEP 17 1992

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None

Nonrecurring Charges

ACCESS SERVICE

7.	Special Access Service (Cont'd)	5
	7.5 <u>Rates and Charges</u> (Cont'd)	
	7.5.3 <u>Voice Grade Service</u> (Cont'd)	• • •
	<u>USOC</u>	Monthly <u>Rates</u>
	(E) Optional Features and Functions (Cont'd)	

- (4) Customer Specified
 Receive Level
 Per Two-Wire
 point of
 termination RLS
- (5) Multiplexing Voice to Telegraph Grade -Per Arrangement MQX

ICB ICB

None

CANCELLED

MAR 1 0 2000 By 1^{5±} RP 358 Public Service Commission MISSOURI

FILED

NOV 7 1992

MO. PUBLIC SERVICE COMM.

ISSUED: September 17 1992 BY: John Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211 EFFECTIVE: NOV 7 1992

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Embarq Missouri, Inc. d/b/a Embarq

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

voice	Graue		Monthly Rates	Nonrecurring Charges
(E)	<u>Opti</u>	onal Features and Functions (Con	ıt'd)	
	(6)	Data Capability - Per point of termination	\$1.71	\$34.00 (I)
	(7)	Telephoto Capability - Per point of termination	ICB	ICB

ISSUED: December 3, 2007

CANCELLED November 1, 2021 Missouri Public Service Commission JI-2022-0069 Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: January 30, 2008

> FILED Missouri Public Service Commission

Embarq Missouri, Inc. d/b/a Embarq

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

			Monthly Rates	Nonrecurring <u>Charges</u>
(E)	<u>Opti</u>	onal Features and Functions (C	ont'd)	
	(6)	Data Capability - Per point of termination	\$1.71	\$32.40
	(7)	Telephoto Capability - Per point of termination	ICB	ICB

ISSUED: March 30, 2007

CANCELLED January 30, 2008 Missouri Public Service Commission Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: April 30, 2007



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Fourth Revised Page 389 Cancels Third Revised Page 389

Missouri Public

ACCESS SERVICE

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Spac	Control Rates and Charges (Cont'd) 7.5.3 Voice Grade Service (Cont'd) (E) Optional Features and Functions (Cont'd) (6) Data Capability - Per point of termination (7) Telephoto Capability					
7.5	Rates a	and Charges	(Cont'd)	RECT OCT 31 2003		
	7.5.3	Voice Gr	ade Service (Cont'd)		Commission Nonrecurring Charges	
		(E) <u>Or</u> an				
		(6	- Per point of	\$7.71 (I)	\$32.40 (I)	
		(7) Telephoto Capability - Per point of termination	ICB	ICB	

ISSUED: October 31, 2003

Cancelled April 30, 2007 Missouri Public Service Commission Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: December 18, 2003

JAN 1 7 2004

Missouri Public Service Commission /7-2004-0229 FILED JAN 17 2004 SPRINT MISSOURI, INC. d/b/a SPRINT

Third Revised Page 389 Cancels Second Revised Page 389

Missouri Public

ACCESS SERVICE

7.	Specia	I Access S	Service	e (Con	ťd)	RECT OCT 25 2002			
	7.5	Rates and Charges (Cont'd)			Cont'd)	Service C	ommission		
		7.5.3	Voice Grade Service (Cont'd)		de Service (Cont'd)		•		
						Monthly Rates	Nonrecurring Charges		
			(E)		onal Features Functions (Cont'd)				
				(6)	Data Capability - Per point of termination	\$1.60 (1)	\$30.00		
				(7)	Telephoto Capability - Per point of termination	ICB	ICB		



ISSUED: October 25, 2002 EFFECTIVE: Richard D. Lawson State Executive, External Affa Vice Commission 319 Madison Jefferson City, MO 65101 IT-03-0170 FIED DEC 182002 DEC 182002

SPRINT MISSOURI, INC. d/b/a SPRINT

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Second Revised Page 389 Cancels First Revised Page 389

					ACCESS SERVICE	Mis	souri Public		
7.	<u>Specia</u>	ecial Access Service (Cont'd)			ťd)				
	7.5	<u>Rates a</u>	nd Cha	<u>rges</u> (Cont'd)	REC'I	RECD OCT 26 2001		
		7.5.3 Voice Grade Service (Cont'd		<u>le Service</u> (Cont'd)	Servio	ce Commission			
						Monthly Rates	Nonrecurring Charges		
			(E)		onal Features Functions (Cont'd)				
				(6)	Data Capability - Per point of termination	\$1. <i>50 (l)</i>	\$ 30 .00 <i>(1)</i>		
				(7)	Telephoto Capability - Per point of termination	ICB	ICB		

CANCELLED

DEC 1 8 2002 By 3rd R 5 389 Profile Service Comprission

ISSUED: October 26, 2001 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 6510 Misseffic Public December 11, 2001 FILED DEC 11 2001 0 2 - 2 5 1 Cervice Commission

ACCESS SERVICE

SPRINT MISSOURI, INC. d/b/a SPRINT

7.5

Special Access Service (Cont'd)

Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

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First Revised Page 389 Cancels Original Page 389

Service Commission

REC'D MAY 03 2000

			Monthly Rates	Nonrecurring Charges	(C)
(E)		ional Features Functions (Cont'd)			
	(ଟ)	Data Capability - Per point of termination	\$1.46	\$26.00	(C)
	(7)	Telephoto Capability - Per point of termination	ICB	ICB	(C)



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Missouri Public Service Commission

FILED JUN 0 2 2000

ISSUED: May 3, 2000

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Richard D. Lawson State Executive, External Affairs EFFECTIVE: June 2, 2000 ACCESS SERVICE

UNITED TELEPHONE COMPANY OF MISSOURI

Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

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Original Page 389

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7.5.3	<u>Voice</u>	Grade	Service (Cont'd)			
				USOC	Monthly <u>Rates</u>	Nonrecurring Charges
	(E)	-	nal Features unctions (Cont'd)			
		(6)	Data Capability - Per point of termination	XDCPT		
					\$1.46	\$26.00
		(7)	Telephoto Capabil - Per point of termination	ity XTCPT		
					TOR	TCB

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JUN 022000 By 1st RP 389 Public Service Commission MISSOURI

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NOV 7 1992

MO. PUBLIC SERVICE COMM.

EFFECTIVE: NOV 7 1992

ISSUED: September 17 1992 BY: John Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211 Embarq Missouri, Inc. d/b/a Embarq

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

		Monthly Rates	Nonrecurring Charges
(E)	Optional Features and Functions (Con	ıt'd)	
	 (8) Signaling Capability Per point of termination 	\$.85	\$54.00 (I)

ISSUED: December 3, 2007

CANCELLED November 1, 2021 Missouri Public Service Commission JI-2022-0069 Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: January 30, 2008

> FILED Missouri Public Service Commission

Embarq Missouri, Inc. d/b/a Embarq

Fifth Revised Page 390 Cancels Fourth Revised Page 390

ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

		Monthly Rates	Nonrecurring Charges
(E)	Optional Features and Functions (C	ont'd)	
	 (8) Signaling Capability Per point of termination 	\$.85	\$51.84

ISSUED: March 30, 2007

CANCELLED January 30, 2008 Missouri Public Service Commission Mark D. Harper Director - State Regulatory 5454 W. 110th Street Overland Park, Kansas 66211 EFFECTIVE: April 30, 2007

> **Filed** Missouri Public Service Commission

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Fourth Revised Page 390 Cancels Third Revised Page 390

Missouri Public

ACCESS SERVICE

7. Special Access Service (Cont'd)

Rates and Charges (Cont'd)

- RECD OCT 31 2003
- Service Commission

Voice	Grade Service (Cont'd)	Service Commiss		
		Monthly Rates	Nonrecurring Charges	
	 (8) Signaling Capability Per point of termination 	\$.85 (I)	\$51.84 (I)	
	(E)	and Functions (Cont'd) (8) Signaling Capability - Per point of	Voice Grade Service (Cont'd) Monthly <u>Rates</u> (E) <u>Optional Features</u> <u>and Functions</u> (Cont'd) (8) Signaling Capability - Per point of	Voice Grade Service (Cont'd) Monthly Nonrecurring Rates Charges (E) Optional Features and Functions (Cont'd) (8) Signaling Capability - Per point of

ISSUED: October 31, 2003

Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE:

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Missouri Publica Service Commission 17-2004-0229

FILED JAN 17 2004

Cancelled April 30, 2007 Missouri Public Service Commission SPRINT MISSOURI, INC. d/b/a SPRINT

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Third Revised Page 390 Cancels Second Revised Page 390 Missouri Public

ACCESS SERVICE

RECT OCT 2 5 2002

- 7.5 <u>Rates and Charges</u> (Cont'd) Service Commission
 - 7.5.3 Voice Grade Service (Cont'd)

Special Access Service (Cont'd)

			Monthly Rates	Nonrecurring Charges
(E)		<u>onal Features</u> <u>Functions</u> (Cont'd)		
	(8)	Signaling Capability - Per point of termination	\$.80 (1)	\$48.00

CANCELLED JAN 17 2004 SIOR Public 59

ISSUED: October 25, 2002 EFFECTIVE: Richard D. Lawson Missouri Public EFFECTIVE: State Executive, External Affailes Commission 319 Madison ازریک ۵۱٦۵ Jefferson City, MO 65 (IF) DEC 182002 DEC 182002

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Second Revised Page 390 Cancels First Revised Page 390

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 <u>Rates and Charges</u> (Cont'd)

Missouri Public

REC'D OCT 2 6 2001

Service Commission 7.5.3 Voice Grade Service (Cont'd) Monthly Nonrecurring Rates Charges (E) **Optional Features** and Functions (Cont'd) Signaling Capability (8) - Per point of termination \$.75 (I) \$48.00 (I)

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DEC 1 8 2002 3rd RS 390 Public Service Coertication

ISSUED: October 26, 2001 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: Missecution Pulzico

FILED DEC 11 2001 02-251 Cervice Commission



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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

Missouri Public Service Commission

RECT MAY 03 2000

		Monthly Rates	Nonrecurring Charges	(C)
(E)	Optional Features and Functions (Cont'd)			
	(8) Signaling Capability- Per point of termination	\$.70	\$42.00	(C)

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Missouri Public Service Commission

FILED JUN 0 2 2000

ISSUED: May 3, 2000

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Richard D. Lawson State Executive, External Affairs EFFECTIVE: June 2, 2000

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Original Page 390

ACCESS SERVICE

- 7. <u>Special Access Service</u> (Cont'd)
 - 7.5 <u>Rates and Charges</u> (Cont'd)
 - 7.5.3 Voice Grade Service (Cont'd)

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		<u>usoc</u>	Monthly <u>Rates</u>	Nonrecurring Charges
(E)	Optional Features and Functions (Cont'd)			
	 (8) Signaling Capabilit - Per point of termination 	у XSS++		
			\$.70	\$42.00
	In lieu of ++, substitu appropriate two digit o following list to speci			

CANCELLED

JUN 0 2 2000 By 1⁵⁵ 尺子 390 Public Service Communication MISSOURI

FILED

NOV 7 1992

MO. PUBLIC SERVICE COMM.

ISSUED: September 17 1992 BY: John Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211 EFFECTIVE: OCTOBER STREET, SOUTHER, NOV 7 1992

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.5 Rates and Charges (Cont'd)
 - 7.5.3 Voice Grade Service (Cont'd)

Missouri Public

REC'D JAN 07 2002

Service Commission

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Service Commission

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ISSUED: January 7, 2002 Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101 EFFECTIVE: February 7, 2002

Cancelled April 30, 2007 Missouri Public Service Commission

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Second Revised Page 391 Cancels First Revised Page 391 RECEIVED

ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.5 Rates and Charges (Cont'd)
 - Voice Grade Service (Cont'd) 7.5.3

(E) **Optional Features** and Functions (Cont'd) JAN 26 2001

MISSOURI Public Service Commission

Monthly Nonrecurring Rates Charges

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FEB 26 2001

MISSOURI Public Service Commission EFFECTIVE: February 26, 2001

ISSUED: January 26, 2001

Richard D. Lawson State Executive, External Affairs 319 Madison Jefferson City, MO 65101



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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.5 <u>Rates and Charges</u> (Cont'd)
 - 7.5.3 <u>Voice Grade Service</u> (Cont'd)

Missouri Public Service Commission

REC'D MAY 03 2000

Monthly	Nonrecurring	
Rates	Charges	(C)

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



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FEB 2 6 2001 JNS RP 391 Public Service Commission MISSOURI

Missouri Public Service Commission

FILED JUN 0 2 2000

Richard D. Lawson State Executive, External Affairs EFFECTIVE: June 2, 2000

ISSUED: May 3, 2000

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UNITED TELEPHONE COMPANY OF MISSOURI

ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.5 Rates and Charges (Cont'd)
 - 7.5.3

Original Page 391 SEP 17 1092

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\$ <u>Voice</u>	Grade	<u>Service</u> (Cont'd)			
			USOC	Monthly <u>Rates</u>	Nonrecurring <u>Charges</u>
(E)		onal Features Functions (Cont'd)			
	(8)	Signaling Capability (Cont'd)			
	apı fro spe	lieu of ++, substitu propriate two digit co om following list to ecify type of signalin ont'd)	ode		
	LB LC LO LR LS RV SF				
	(9)	Selective Signaling Arrangement - per arrangement	USZ		
				\$14.05	None

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
 - 7.5 Rates and Charges (Cont'd)
 - 7.5.3 Voice Grade Service (Cont'd)

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ACCESS SERVICE

- 7. Special Access Service (Cont'd)
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 - 7.5.3 Voice Grade Service (Cont'd)

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ACCESS SERVICE

- 7. <u>Special Access Service</u> (Cont'd)
 - 7.5 Rates and Charges (Cont'd)

7.5.3 <u>Voice Grade Service</u> (Cont'd)

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			USOC	Monthly <u>Rates</u>	Nonrecurring Charges
(E)	-	al Features actions (Cont'd)			
	:	Fransfer Arrange (key activated* lial up**)			
		- Per four port arrangement including control channe termination***	1		
				\$3.00	None

- * The key activated control channel is rated as a Metallic Channel Termination (use USOC TMEME in lieu of TMECS) and Channel Mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).
- ** The Dial-up option requires the customer to purchase the Controller Arrangement (USOC XTDDU) from 13.3.8 following.
- *** An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customers premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

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- 7. Special Access Service (Cont'd)
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- 7. Special Access Service (Cont'd)
 - 7.5 Rates and Charges (Cont'd)
 - 7.5.3 Voice Grade Service (Cont'd)

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ACCESS SERVICE

- 7. <u>Special Access Service</u> (Cont'd)
 - 7.5 <u>Rates and Charges</u> (Cont'd)

7.5.3 Voice Grade Service (Cont'd)

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7.5.5 <u>VOIC</u>	e Grade Service (Cont'd)			
		<u>USOC</u>	Monthly <u>Rates</u>	Nonrecurring Charges
(E)	Optional Features and Functions (Cont'd)			
	<pre>(10) Transfer Arrangement (key activated* or dial up**) (Cont'd)</pre>			
	- Per five port arrangement including control channel termination***	US 5		
			\$6.85	None

- * The key activated control channel is rated as a Metallic Channel Termination (use USOC TMEME in lieu of TMECS) and Channel Mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).
- ** The Dial-up option requires the customer to purchase the Controller Arrangement (USOC XTDDU) from 13.3.8 following.
- *** An additional Channel Termination charge will apply whenever a spare channel is configured as a leg to the customers premises. Additional channel mileage charges will also apply when the transfer arrangement is not located in the customer premises serving wire center.

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7. Special Access Service (Cont'd)

- 7.5 Rates and Charges (Cont'd)
 - 7.5.4 Reserved for Future Use

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ACCESS SERVICE

7. Special Access Service (Cont'd)

(A)

- 7.5 Rates and Charges (Cont'd)
 - 7.5.4 Program Audio Service

	Monthly Daily <u>Rates Rates</u>		Nonrecurring Charges Monthly Daily		(C)
<u>Channel Termination</u> Per Point of Termination					
- 200 to 3500 Hz	ICB	ICB	ICB	ICB	(C)
- 100 to 5000 Hz	ICB	ICB	ICB	ICB	(C)
- 50 to 8000 Hz	ICB	ICB	ICB	ICB	(C)
- 50 to 15000 Hz	ICB	ІСВ	ICB	ICB	. (C)

(B) Reserved for Future Use

(C) <u>Reserved for Future Use</u>

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7. <u>Special Access Service</u> (Cont'd)

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7.5.4 Program Audio Service

7.5 <u>Rates and Charges</u> (Cont'd)

			Monthly	Daily	Nonrecurring Charges			
(A)	Channel Termination Per Point of Termination	<u>usoc</u>	<u>Rates</u>	-	<u>Monthly</u>			
	- 200 to 3500 Hz	TMECS	ICB	ICB	ICB	ICB		
	- 100 to 5000 Hz	TMECS	ICB	ICB	ICB	ICB		
	- 50 to 8000 Hz	TMECS	ICB	ICB	ICB	ICB		
	- 50 to 15000 Hz	TMECS	ICB	ICB	ICB	ICB		
(B)	Reserved for Future	Use						

(C) Reserved for Future Use

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7. Special Access Service (Cont'd)

- 7.5 Rates and Charges (Cont'd)
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- 7. Special Access Service (Cont'd)
 - 7.5 Rates and Charges (Cont'd)
 - 7.5.4 Program Audio Service (Cont'd)
 - (D) Channel Mileage

	Monthly	<u>Rates</u> Per	Daily	<u>Rates</u> Per	
	Fixed	Mile	<u>Fixed</u>	Mile	(C)
(1) 200 to 3500 Hz					
	ICB	ICB	ІСВ	ICB	(D) (C) (D)
					(D

(2) 100 to 5000 Hz

	ICB	ICB	ICB	ICB	(D) (C) (D)
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7.5 <u>Rates and Charges</u> (Cont'd)

7. <u>Special Access Service</u> (Cont'd)

- 7.5.4 Program Audio Service (Cont'd)
 - (D) Channel Mileage

Monthly Rates Daily Rates Per Per USOC Fixed Mile Fixed Mile (1) 200 to 3500 Hz <u>Mileage Bands</u> State 1 0 1L5XX None None None None Over 0 to 4 1L5XX ICB ICB ICB ICB Over 4 to 8 ICB ICB ICB 1L5XX ICB Over 8 to 25 ICB 1L5XX ICB ICB ICB

ICB

ICB

ICB

ICB

1L5XX

1L5XX

- (2) 100 to 5000 Hz
 - Mileage Bands

Over 25 to 50

Over 50

0	1LFXX	None	None	None	None
Over 0 to 4	1LFXX	ICB	ICB	ICB	ICB
Over 4 to 8	1LFXX	ICB	ICB	ICB	ICB
Over 8 to 25	1LFXX	ICB	ICB	ICB	ICB
Over 25 to 50	1LFXX	ICB	ICB	ICB	ICB
Over 50	1LFXX	ICB	ICB	ICB	ICB

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7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.4 Program Audio Service (Cont'd)

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(D) <u>Channel Mileage</u> (Cont'd)	<u>Monthly</u> <u>Fixed</u>	Rates Per Mile	<u>Daily F</u> <u>Fixed</u>	<u>Per</u> Mile	(C)
(3) 50 to 8000 Hz	ICB	ICB	ICB	ICB	(D) (C) (D) (D) (D)
(4) 50 to 15000 Hz CANCELLED AUG 1 2 2002 AUG 1 2 2002	ICB	ICB	ICB	ICB	(D) (C) (D) (D) (D)



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7. <u>Special Access Service</u> (Cont'd)

- 7.5 Rates and Charges (Cont'd)
 - 7.5.4 Program Audio Service (Cont'd)

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	<u>usoc</u>	<u>Monthly Rates</u> Per <u>Fixed Mile</u>	<u>Daily Rates</u> Per <u>Fixed Mile</u>
(D) Channel Mileage (Cont'd)			
(3)50 to 8000 Hz <u>Mileage Bands</u>			
0 Over 0 to 4 Over 4 to 8 Over 8 to 25	1L5XX 1L5XX 1L5XX 1L5XX	None None ICB ICB ICB ICB ICB ICB ICB ICB	None None ICB ICB ICB ICB ICB ICB ICB ICB

1L5XX

1L5XX

(4)50 to 15000 Hz

Mileage Bands

Over 25 to 50

Over 50

0	1L5XX	None	None	None	None
Over 0 to 4	1L5XX	ICB	ICB	ICB	ICB
Over 4 to 8	1L5XX	ICB	ICB	ICB	ICB
Over 8 to 25	1L5XX	ICB	ICB	ICB	ICB
Over 25 to 50	1L5XX	ICB	ICB	ICB	ICB
Over 50	1L5XX	ICB	ICB	ICB	ICB

ICB

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7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.4 Reserved for Future Use

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7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.4 Program Audio Service (Cont'd)

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		Nonrecurring Charges				
		Rates	Rates	Monthly	<u>Daily</u>	(C)
(E)	Optional Features and Functions					
	<pre>(1) Bridging (Distribution Amplifier) - Per Port</pre>	ICB	ICB	ICB	ICB	(C)
	(2) Gain Conditioning - Per Service	ICB	ICB	ICB	ICB	(C)

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ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 <u>Rates and Charges</u> (Cont'd)

7.5.4 Program Audio Service (Cont'd)

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						ecurring Arges	
		<u>USOC</u>	<u>Rates</u>	<u>Rates</u>	<u>Monthly</u>	<u>Daily</u>	
(E)	Optional Features and Functions						
	<pre>(1) Bridging (Distribution Amplifier) -Per Port</pre>	BCNPA	ICB	ICB	ICB	ICB	
	(2) Gain Conditioning -Per Service	XGC	ICB	ICB	ICB	ICB	

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7. Special Access Service (Cont'd)

- 7.5 Rates and Charges (Cont'd)
 - 7.5.4 Program Audio Service (Cont'd)

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		Monthly Rates	Daily Rates	Nonrecu Charg Monthly	_	(C)
(E)	Optional Features and Functions (Cont'd)		4	_	
	(3) Stereo - Per Service	ICB	ICB	ICB	ICB	(C)

7.5.5 Video Service

		Monthly					
		Rates	Rates	Monthly	Daily	(0	C)
(A)	Channel Termination - Per point of termination						
	- TV-1 or 2	ICB	ICB	ICB	ICB	()	C)



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ACCESS SERVICE

7. <u>Special Access Service</u> (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.4 Program Audio Service (Cont'd)

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			Monthly	Daily	Nonrecu Charg	-
		USOC	<u>Rates</u>	<u>Rates</u>	<u>Monthly</u>	<u>Daily</u>
(E)	Optional Features and Functions(Cont'd)			·		
	(3) Stereo -Per Service	xsc	ICB	ICB	ICB	ICB

7.5.5 <u>Video Service</u>

	USOC	Monthly	-	Nonrecurring Charges		
(A) Channel Termination -Per point of	<u>USOC</u>	<u>Rates</u>	<u>Rates</u>	<u>Monthly</u>	<u>Daily</u>	
termination -TV-1 or 2	TMEV1	ICB	ICB	ICB	ICB	

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- 7. Special Access Service (Cont'd)
 - 7.5 Rates and Charges (Cont'd)
 - 7.5.5 <u>Video Service</u> (Cont'd)



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			Monthly <u>Rates</u>	Daily <u>Rates</u>	Nonrecu: Charg <u>Monthly</u>	es	(C)
(A)		Termination					
	termi	ooint of .nation (Cont'd) 4TV-5) ICB	ICB	ICB	ICB	(C)
	-	6TV-5	ICB	ICB	ICB	ICB	(C)
	-	TV-15	ICB	ICB	ICB	ICB	(C)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

- TV-15

7.5.5 V:

1.03	and onarges (cont d)					
.5.5	<u>Video Service</u> (Cont'd)	USOC	Monthly <u>Rates</u>	Daily <u>Rates</u>	Nonrecur Charge <u>Monthly</u>	-
(A)	Channel Termination -Per point of termination of (Cont'd) -4TV-5) TMEV4	ICB	ICB	ICB	ICB
	-6TV-5	TMEV 6	ICB	ICB	ICB	ICB

TMEV5 ICB

ICB

ICB

ICB

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- 7.5 Rates and Charges (Cont'd)
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7.5.7 Reserved for Future Use

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- 7. Special Access Service (Cont'd)
 - 7.5 Rates and Charges (Cont'd)
 - 7.5.5 Video Service (Cont'd)
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	<u>Monthly</u> <u>Fixed</u>	<u>Rates</u> Per <u>Mile</u>	<u>Daily</u> <u>Fixed</u>	<u>Rates</u> Per Mile	(C)
(D) <u>Channel Mileage</u>					
					(D)
CANCELLED AUG 1 2 2002 By 2nd RS 400 Public Service Commission	ICB	ICB	ICB	ICB	(D) (C) (D) (D)
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 - 7.5 Rates and Charges (Cont'd)
 - 7.5.5 <u>Video Service</u> (Cont'd)
 - (B) Reserved For Future Use
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<u>Daily Rates</u>

THE FUELO CENTE CATOL

		USOC	<u>Fixed</u>	Per <u>Mile</u>	<u>Fixed</u>	Per <u>Mile</u>	
(D) Channel Mileage							
Milea	ige Bands						
Over Over Over Over Over	4 to 8 8 to 25 25 to 50	1L5XX 1L5XX 1L5XX 1L5XX 1L5XX 1L5XX	None ICB ICB ICB ICB ICB	None ICB ICB ICB ICB ICB	None ICB ICB ICB ICB ICB	None ICB ICB ICB ICB ICB	

Monthly Rates

7.5.6 Reserved for Future Use

7.5.7 <u>Reserved for Future Use</u>

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EFFECTIVE: NOV 7 1992

ISSUED: September 17 1992 BY: John Roe Vice President - Administration 5454 West 110th Street Overland Park, Kansas 66211