

Effective: August 1, 1991

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.6 Program Audio Service (Cont'd)

7.6.3 Channel Interfaces

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

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

Compatible channel interfaces are set forth in 9 following.

7.6.4 Optional Features and Functions

(1) Central Office Bridging Capability

Distribution Amplifier

(2) Gain Conditioning

Control of 1004 Hz AML at initiation of service to $0\text{dB} \pm 0.5\text{ dB}$.

(3) Stereo

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

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

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

GTE SYSTEM TELEPHONE COMPANIES

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 600 Hidden Ridge
 Irving, Texas 75038
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ACCESS SERVICE**7. Special Access Services (Cont'd)****7.6 Program Audio Service (Cont'd)****7.6.5 Rates and Charges**

- (A) Circuit Termination
 - Per Point of Termination
 - USOC - TMECS

200-3500 Hz

<u>Jurisdiction</u>	<u>Monthly Rates</u>	<u>Daily Rates</u>	<u>Nonrecurring Charge</u>	
Alabama	\$34.94	\$3.49	\$200.00	
Arizona - Western	32.75	3.27	200.00	
California	31.62	3.16	200.00	
Illinois	41.02	4.10	200.00	
Indiana	27.28	2.73	200.00	
Kentucky	35.10	3.51	200.00	
Missouri	37.21	3.72	200.00	
Nevada	36.81	3.68	200.00	
				(D)(X)
N Carolina	17.85	1.79	200.00	
Pennsylvania	26.89	2.69	200.00	
Texas	44.60	4.46	200.00	
				(D)(X)
Virginia	27.12	2.71	200.00	
Washington	27.69	2.77	200.00	

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ACCESS SERVICE**7. Special Access Services (Cont'd)****7.6 Program Audio Service (Cont'd)****7.6.5 Rates and Charges (Cont'd)**

- (A) Circuit Termination (Cont'd)
 - Per Point of Termination
 - USOC - TMECS

100-5000 Hz

<u>Jurisdiction</u>	<u>Monthly Rates</u>	<u>Daily Rates</u>	<u>Nonrecurring Charge</u>	
Alabama	\$34.94	\$3.49	\$200.00	
Arizona - Western	32.75	3.27	200.00	
California	31.62	3.16	200.00	
Illinois	41.02	4.10	200.00	
Indiana	27.28	2.73	200.00	
Kentucky	35.10	3.51	200.00	
Missouri	37.21	3.72	200.00	
Nevada	36.81	3.68	200.00	
				(D)(X)
N Carolina	17.85	1.79	200.00	
Pennsylvania	26.89	2.69	200.00	
Texas	44.60	4.46	200.00	
				(D)(X)
Virginia	27.12	2.71	200.00	
Washington	27.69	2.77	200.00	

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ACCESS SERVICE**7. Special Access Services (Cont'd)****7.6 Program Audio Service (Cont'd)****7.6.5 Rates and Charges (Cont'd)**

- (A) Circuit Termination (Cont'd)
 - Per Point of Termination
 - USOC - TMECS

50-8000 Hz

<u>Jurisdiction</u>	<u>Monthly Rates</u>	<u>Daily Rates</u>	<u>Nonrecurring Charge</u>	
Alabama	\$34.94	\$3.49	\$200.00	
Arizona - Western	32.75	3.27	200.00	
California	31.62	3.16	200.00	
Illinois	41.02	4.10	200.00	
Indiana	27.28	2.73	200.00	
Kentucky	35.10	3.51	200.00	
Missouri	37.21	3.72	200.00	
Nevada	36.81	3.68	200.00	
				(D)(X)
N Carolina	17.85	1.79	200.00	
Pennsylvania	26.89	2.69	200.00	
Texas	44.60	4.46	200.00	
				(D)(X)
Virginia	27.12	2.71	200.00	
Washington	27.69	2.77	200.00	

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ACCESS SERVICE**7. Special Access Services (Cont'd)****7.6 Program Audio Service (Cont'd)****7.6.5 Rates and Charges (Cont'd)**

- (A) Circuit Termination (Cont'd)
 - Per Point of Termination
 - USOC - TMECS

50-15000 Hz

<u>Jurisdiction</u>	<u>Monthly Rates</u>	<u>Daily Rates</u>	<u>Nonrecurring Charge</u>	
Alabama	\$34.94	\$3.49	\$200.00	
Arizona - Western	32.75	3.27	200.00	
California	31.62	3.16	200.00	
Illinois	41.02	4.10	200.00	
Indiana	27.28	2.73	200.00	
Kentucky	35.10	3.51	200.00	
Missouri	37.21	3.72	200.00	
Nevada	36.81	3.68	200.00	
				(D)(X)
N Carolina	17.85	1.79	200.00	
Pennsylvania	26.89	2.69	200.00	
Texas	44.60	4.46	200.00	
				(D)(X)
Virginia	27.12	2.71	200.00	
Washington	27.69	2.77	200.00	

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ACCESS SERVICE**7. Special Access Services (Cont'd)****7.6 Program Audio Service (Cont'd)****7.6.5 Rates and Charges (Cont'd)**

(B) Circuit Mileage

<u>Jurisdiction</u> (USOC)	<u>200-3500 Hz</u>	
	<u>Monthly Rate</u> <u>Fixed</u> (TRG)	<u>Monthly Rate</u> <u>Per Mile</u> (1LFSX)
Alabama	\$39.25	\$3.62
Arizona - Western	56.08	3.23
California	46.00	3.92
Illinois	49.84	5.04
Indiana	49.84	5.04
Kentucky	38.00	5.83
Missouri	38.00	2.95
Nevada	56.08	3.23
		(D)(X)
N Carolina	38.00	7.24
Pennsylvania	6.09	4.56
Texas	21.50	2.34
		(D)(X)
Virginia	29.79	3.80
Washington	30.00	6.99

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ACCESS SERVICE**7. Special Access Services (Cont'd)****7.6 Program Audio Service (Cont'd)****7.6.5 Rates and Charges (Cont'd)****(B) Circuit Mileage (Cont'd)**

200-3500 Hz

<u>Jurisdiction</u> <u>(USOC)</u>	<u>Daily Rate</u> <u>Fixed</u> <u>(TRG)</u>	<u>Daily Rate</u> <u>Per Mile</u> <u>(1LFSX)</u>	
Alabama	\$3.92	.36	
Arizona - Western	5.61	.32	
California	4.60	.39	
Illinois	4.98	.50	
Indiana	4.98	.50	
Kentucky	3.80	.58	
Missouri	3.80	.30	
Nevada	5.61	.32	
			(D)(X)
N Carolina	3.80	.72	
Pennsylvania	0.61	.46	
Texas	2.15	.23	
			(D)(X)
Virginia	2.97	.38	
Washington	3.00	.70	

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ACCESS SERVICE**7. Special Access Services (Cont'd)****7.6 Program Audio Service (Cont'd)****7.6.5 Rates and Charges (Cont'd)****(B) Circuit Mileage (Cont'd)**

<u>Jurisdiction</u> (USOC)	<u>100-5000 Hz</u>	
	<u>Monthly Rate</u> <u>Fixed</u> (TRG)	<u>Monthly Rate</u> <u>Per Mile</u> (1LFSX)
Alabama	\$39.25	\$3.62
Arizona - Western	56.08	3.23
California	46.00	3.92
Illinois	49.84	5.04
Indiana	49.84	5.04
Kentucky	38.00	5.83
Missouri	38.00	2.95
Nevada	56.08	3.23
		(D)(X)
N Carolina	38.00	7.24
Pennsylvania	6.09	4.56
Texas	21.50	2.34
		(D)(X)
Virginia	29.79	3.80
Washington	30.00	6.99

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ACCESS SERVICE**7. Special Access Services (Cont'd)****7.6 Program Audio Service (Cont'd)****7.6.5 Rates and Charges (Cont'd)****(B) Circuit Mileage (Cont'd)**

<u>Jurisdiction</u> <u>(USOC)</u>	<u>100-5000 Hz</u>	
	<u>Daily Rate</u> <u>Fixed</u> <u>(TRG)</u>	<u>Daily Rate</u> <u>Per Mile</u> <u>(1LFSX)</u>
Alabama	\$3.92	\$.36
Arizona - Western	5.61	.32
California	4.60	.39
Illinois	4.98	.50
Indiana	4.98	.50
Kentucky	3.80	.58
Missouri	3.80	.30
Nevada	5.61	.32
		(D)(X)
N Carolina	3.80	.72
Pennsylvania	0.61	.46
Texas	2.15	.23
		(D)(X)
Virginia	2.97	.38
Washington	3.00	.70

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ACCESS SERVICE**7. Special Access Services (Cont'd)****7.6 Program Audio Service (Cont'd)****7.6.5 Rates and Charges (Cont'd)****(B) Circuit Mileage (Cont'd)**

<u>Jurisdiction</u> (USOC)	<u>50-8000 Hz</u>	
	<u>Monthly Rate</u> <u>Fixed</u> (TRG)	<u>Monthly Rate</u> <u>Per Mile</u> (1LFSX)
Alabama	\$39.25	\$3.62
Arizona - Western	56.08	3.23
California	46.00	3.92
Illinois	49.84	5.04
Indiana	49.84	5.04
Kentucky	38.00	5.83
Missouri	38.00	2.95
Nevada	56.08	3.23
		(D)(X)
N Carolina	38.00	7.24
Pennsylvania	6.09	4.56
Texas	21.50	2.34
		(D)(X)
Virginia	29.79	3.80
Washington	30.00	6.99

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ACCESS SERVICE**7. Special Access Services (Cont'd)****7.6 Program Audio Service (Cont'd)****7.6.5 Rates and Charges (Cont'd)****(B) Circuit Mileage (Cont'd)**

<u>Jurisdiction</u> <u>(USOC)</u>	<u>Daily Rate</u> <u>Fixed</u> <u>(TRG)</u>	<u>50-8000 Hz</u> <u>Daily Rate</u> <u>Per Mile</u> <u>(1LFSX)</u>	
Alabama	\$3.92	\$.36	
Arizona - Western	5.61	.32	
California	4.60	.39	
Illinois	4.98	.50	
Indiana	4.98	.50	
Kentucky	3.80	.58	
Missouri	3.80	.30	
Nevada	5.61	.32	
			(D)(X)
N Carolina	3.80	.72	
Pennsylvania	0.61	.46	
Texas	2.15	.23	
			(D)(X)
Virginia	2.97	.38	
Washington	3.00	.70	

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 Irving, Texas 75038
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ACCESS SERVICE

7. Special Access Services (Cont'd)

7.6 Program Audio Service (Cont'd)

7.6.5 Rates and Charges (Cont'd)

(B) Circuit Mileage (Cont'd)

<u>Jurisdiction</u> (USOC)	<u>50-15000 Hz</u>	
	<u>Monthly Rate</u> <u>Fixed</u> (TRG)	<u>Monthly Rate</u> <u>Per Mile</u> (1LFSX)
Alabama	\$39.25	\$3.62
Arizona - Western	56.08	3.23
California	46.00	3.92
Illinois	49.84	5.04
Indiana	49.84	5.04
Kentucky	38.00	5.83
Missouri	38.00	2.95
Nevada	56.08	3.23
		(D)(X)
N Carolina	38.00	7.24
Pennsylvania	6.09	4.56
Texas	21.50	2.34
		(D)(X)
Virginia	29.79	3.80
Washington	30.00	6.99

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ACCESS SERVICE**7. Special Access Services (Cont'd)****7.6 Program Audio Service (Cont'd)****7.6.5 Rates and Charges (Cont'd)****(B) Circuit Mileage (Cont'd)**

<u>Jurisdiction</u> (USOC)	<u>50-15000 Hz</u>	
	<u>Daily Rate</u> <u>Fixed</u> (TRG)	<u>Daily Rate</u> <u>Per Mile</u> (1LFSX)
Alabama	\$3.92	\$.36
Arizona - Western	5.61	.32
California	4.60	.39
Illinois	4.98	.50
Indiana	4.98	.50
Kentucky	3.80	.58
Missouri	3.80	.30
Nevada	5.61	.32
		(D)(X)
N Carolina	3.80	.72
Pennsylvania	0.61	.46
Texas	2.15	.23
		(D)(X)
Virginia	2.97	.38
Washington	3.00	.70

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GTE SYSTEM TELEPHONE COMPANIES
Director - Pricing and Tariffs (S)(y)
600 Hidden Ridge
Irving, Texas 75038 (S)(y)
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ACCESS SERVICE

7. Special Access Services (Cont'd)

7.6 Program Audio Service (Cont'd)

7.6.5 Rates And Charges (Cont'd)

(C) Optional Features and Functions

Rates and charges for the Optional Features and Functions of Program Audio Service listed in this section apply to all jurisdictions of the Issuing Carriers listed on Title Page 2 and Title Page 3.

	Monthly Fixed	Daily Rates	Nonrecurring Charges	
			Monthly	Daily
(1) Bridging, Distribution Amplifier (USOC - BCNPT) - Per Port	\$1.00 (S)(y)	\$.10 (S)(y)	None	None
(2) Gain Conditioning (USOC - XGC) - Per Service	1.00 (S)(y)	.10 (S)(y)	None (R)(x)	None (R)(x)
(3) Stereo (USOC - XSC) - Per service	None	None	None (R)(x)	None (R)(x)

(x) Filed pursuant to the Commission's Report and Order in CC Docket 92-222 released May 19, 1993.

(y) Effective July 1, 1993.

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Effective: August 1, 1991

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.7 Video Service

7.7.1 Basic Circuit Description

A Video circuit is a circuit 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 15 kHz audio signal(s). The bandwidth for a video circuit is either 30 Hz to 4.5 MHz or 30 Hz to 6.6 MHz. The associated audio signal(s) may be either duplexed or provided as one or two separate circuits. The provision and the bandwidth of the associated audio signal(s) is a function of the channel interface selected by the customer. Video circuits are provided between customer designated premises or between a customer designated premises and a Telephone Company hub.

7.7.2 Technical Specifications Packages

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

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

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.7 Video Service (Cont'd)

7.7.2 Technical Specifications Packages (Cont'd)

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

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

7.7.3 Channel Interfaces

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

<u>CI</u>	<u>Audio Bandwidth</u>	<u>Provision</u>
2TV6-1	15kHz	1 Channel, duplexed
2TV6-2	15kHz	2 Channels, duplexed
2TV7-1	15kHz	1 Channel, duplexed

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

Effective: August 1, 1991

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.7. Video Service (Cont'd)

7.7.3 Channel Interfaces (Cont'd)

<u>CI</u>	<u>Bandwidth</u>	<u>Provision</u>
2TV7-2	15kHz	2 Channels, duplexed
4TV6-5	5kHz	1 Channel, separate
4TV6-15	15kHz	1 Channel, separate
4TV7-5	5kHz	1 Channel, separate
4TV7-15	15kHz	1 Channel, separate
6TV6-5	5kHz	2 Channels, separate
6TV6-15	15kHz	2 Channels, separate
6TV7-5	5kHz	2 Channels, separate
6TV7-15	15kHz	2 Channels, separate

Compatible channel interfaces are set forth in 9. following.

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Director - Tariffs

West Airfield Drive

D/FW Airport, Texas 75261

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Original Page 336

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.7 Video Service (Cont'd)

7.7.4 Rates and Charges

- (A) Circuit Termination**
- Per Point of Termination

Rates and Charges for all jurisdictions of the Issuing Carriers listed on Title Pages 2, 3 and 4 will be determined on an Individual Case Basis and filed in Section 7.12 following. Available bandwidths and USOC formats are as follows:

Bandwidth

USOC

-TV-1 or 2
-4TV-5
-6TV-5
-TV-15

TMEV1
TMEV4
TMEV6
TMEV5

GTE SYSTEM TELEPHONE COMPANIES

Director - Tariffs

West Airfield Drive

D/FW Airport, Texas 75261

Issued: July 17, 1991

TARIFF FCC NO. 1

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ACCESS SERVICE**7. Special Access Service (Cont'd)****7.7 Video Service (Cont'd)****7.7.4 Rates and Charges (Cont'd)****(B) Circuit Mileage**

Rates and Charges for all jurisdictions of the Issuing Carriers listed on Title Pages 2, 3 and 4 will be determined on an Individual Case Basis and filed in Section 7.12 following. Available bandwidths and USOC formats are as follows:

<u>Bandwidth</u>	<u>USOC</u>
TV-1 or 2	1L5XX
4TV-5	1L5XX
6TV-5	1L5XX
TV-15	1L5XX

Effective: August 1, 1991

ACCESS SERVICE

7. Special Access Services (Cont'd)

7.8 Wideband Analog Service

7.8.1 Basic Circuit Description

A Wideband Analog circuit is a circuit with a bandwidth measured in kHz for the transmission of a wideband signal. The actual bandwidth is a function of the channel interface selected by the customer. The bandwidths are from 60 to 108 kHz (Group), from 312 to 552 kHz (Supergroup), from 564 to 3084 kHz (Mastergroup), from 300 Hz to 18 kHz, from 29 to 44 kHz or from 28 to 44 kHz. Wideband Analog circuits are provided between customer designated premises or between a customer designated premises and a Telephone Company hub.

7.8.2 Technical Specifications Packages

<u>Parameter</u>	<u>Package WA-</u>				
	<u>1</u>	<u>2</u>	<u>2A</u>	<u>3</u>	<u>4</u>
Amplitude Stability	X	X			
Background Noise	X	X	X	X	X
Frequency Shift	X	X	X		
Gain/Frequency					
Characteristics of:					
- Group Connections	X			X	X
- Supergroup					
Connections		X			
- Mastergroup					
Connections			X		
Impulse Noise	X	X	X		
Net Loss Variations	X	X	X	X	X
Pilot Slot	X	X	X		
Spurious Single					
Frequency Tone	X	X	X		

The technical specifications are delineated in Technical Reference
 PUB TR-NPL-000339.

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ACCESS SERVICE

7. Special Access Service (Cont'd)7.8 Wideband Analog Service (Cont'd)7.8.3 Channel Interfaces

The following channel interfaces (CIs) define the bandwidths that are available for a Wideband Analog channel:

<u>CI</u>	<u>Bandwidth</u>
AH-B	60 kHz to 108 kHz (Group)
AH-C	312 kHz to 552 (Supergroup)
AD-D	564 kHz to 3084 kHz (Mastergroup)
WD-1	300 Hz to 18 kHz
WD-2	29 kHz to 44 kHz
WD-3	28 kHz to 44 kHz

Compatible channel interfaces are set forth in 9. following.

7.8.4 Optional Features and Functions(A) Central Office Multiplexing(1) Mastergroup to Supergroup

An arrangement that converts a Mastergroup circuit to ten Supergroup circuits using frequency division multiplexing.

(2) Supergroup to Group

An arrangement that converts a Supergroup circuit to five Group circuits using frequency division multiplexing.

(3) Group to Voice

An arrangement that converts a Group circuit to twelve Voice Grade circuits using frequency division multiplexing.

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ACCESS SERVICE

7. Special Access Service (Cont'd)
- 7.8 Wideband Analog Service (Cont'd)
- 7.8.4 Optional Features and Functions (Cont'd)
- (A) Central Office Multiplexing (Cont'd)
- (4) Group to DS1

An arrangement that converts two Group circuit to DS1 circuit using analog to digital conversion.

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

	Available with Technical Specifications Package WA-				
	<u>1</u>	<u>2</u>	<u>2A</u>	<u>3</u>	<u>4</u>
Central Office Multiplexing:					
Mastergroup to Supergroup			X		
Supergroup to Group		X			
Group to Voice	X				
Group to DS1*					

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ACCESS SERVICE**7. Special Access Services (Cont'd)****7.8 Wideband Analog Services (Cont'd)****7.8.5 Rates and Charges**

- (A) Circuit Termination
- Per Point of Termination

Monthly Rates and Nonrecurring Charges for all jurisdictions of the Issuing Carriers listed on Title Pages 2, 3 and 4 will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available frequency bandwidths and USOC formats are as follows:

<u>Frequency Bandwidths</u>	<u>USOC</u>
60 kHz - 108 kHz	TWT++
312 kHz - 552 kHz	TWT++
564 kHz - 3084 kHz	TWT++
300 Hz - 18 kHz	TWT++
29 kHz - 44 kHz	TWT++

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ACCESS SERVICE

7. Special Access Service (Cont')

7.8 Wideband Analog Services (Cont'd)

7.8.5 Rates and Charges (Cont'd)

(B) Circuit Mileage

Fixed and Per Mile Monthly Rates for all jurisdictions of the Issuing Carriers listed on Title Pages 2, 3 and 4 will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available bandwidths and USOC formats are as follows.

<u>Frequency</u> <u>Bandwidth</u>	<u>USOC</u>
60-108 kHz	1L0++
312-552 kHz	1L0++
564-3084 kHz	1L0++
300 Hz-18 kHz	1L0++
29-44 kHz	1L0++

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ACCESS SERVICE

7. Special Access Services (Cont'd)7.8 Wideband Analog Services (Cont'd)7.8.5 Rates and Charges (Cont'd)(C) Optional Features and Functions(1) Multiplexing

Fixed and Per Mile Monthly Rates for all jurisdictions of the Issuing Carriers listed on Title Pages 2, 3 and 4 will be determined on an Individual Case Basis and filed in Section 7.12 following.

Available multiplexing arrangements and USOC formats are as follows:

<u>Multiplexing Arrangement</u>	<u>USOC (Per Arrangement)</u>
Mastergroup to Supergroup	MQ9++
Supergroup to Group	MQS++
Group to Voice	MQV++
Group to DS1*	MQG++

- * Requires two 60-108 kHz Circuit Terminations and Circuit Mileage, one 1.544 Mbps Circuit Mileage and either a 1.544 Circuit Termination or a DS1 to Voice Multiplexing optional feature, depending on whether the service terminates at a customers premises or was purchased as a facility, to a Telephone Company hub for multiplexing to Voice Grade.