

President - Texas
Southwestern Bell Telephone Company
Dallas, Texas
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ACCESS SERVICE TARIFF
Section: 28
Sheet: 1
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NETWORK COMPONENTS

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Expanded interconnection is offered under protest. It's availability is subject in all respects to the Stipulation and Agreement entered into in Docket No. 13990.

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28.1 High Capacity

Network Components provide Special Access Service to customers by individual rate elements.

Except as noted in Section 28.1.2(A) (Rate Regulations) following, all rules, regulations, terms and conditions set forth in Sections 2 (General Regulations), 5 (Ordering for Access Services), 7 (Special Access Service) and 13 (Additional Engineering, Additional Labor and Miscellaneous Services) apply to the following Network Component rate elements.

28.1.1 General

High Capacity Service as described in Section 7.3.10(A) (Basic Channel Description) is applicable under Network Components.

Central Office Multiplexing, Clear Channel Capability, Extended Superframe and Automatic Loop Transfer, as described in Section 7.3.10(E) (Optional Features and Functions), are available with Network Components. These rate elements must be ordered in conjunction with either a SWBT-provided channel termination ordered from Section 28.1.3(A) (Rates and Charges), or an Interconnection Cross Connect ordered from Section 25 (Expanded Interconnection).

Expanded interconnection is offered under protest. Its availability is subject in all respects to the Stipulation and Agreement entered into in Docket No. 12879.

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28.1 High Capacity (Cont'd)

28.1.2 Rate Regulations

This section contains the exceptions that apply to the rate regulations contained in Section 7.2 (Rate Regulations) for High Capacity Service.

(A) Shared Use

Shared Use as defined in Section 6.6.12 (Shared Use) and Section 7.2.10 (Shared Use Analog and Digital High Capacity Services) is available for High Capacity Network Components.

(T)

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28.1 High Capacity (Cont'd)

28.1.3 Rates and Charges

Each rate element is shown with its associated USOC, where available.

	<u>Fixed</u>	<u>Monthly Rate Per Mile</u>	<u>Nonrecurring Charge</u>
(A) <u>Channel Termination</u>			
Per point of termination			
1.544 Mbps (T7TGX)	\$ 207.00		\$ 645.00
44.736 Mbps (XXXXX)	ICB		600.00 {1}
			ICB
(B) <u>Channel Mileage</u> {1}			
1.544 Mbps			
<u>Mileage Bands</u> (1A5MS) {2}			
0 Miles	0.00	0.00	408.00
Over 0 miles	71.00	45.00	408.00
44.736 Mbps			
<u>Mileage Bands</u> (XXXXX)			
0 miles	0.00	0.00	ICB
Over miles	ICB	ICB	ICB

- {1} This nonrecurring charge applies only if a channel termination or channel mileage is ordered separately from the other.
- {2} Nonrecurring charge USOC (NRBML).

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28.1 High Capacity (Cont'd)

28.1.3 Rates and Charges (Cont'd)

		<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
			<u>Initial</u>	<u>Subsequent</u>
(C)	Clear Channel <u>Capability</u> {1} (CC03X)	\$30.00	\$108.00	\$170.00
(D)	Extended Superframe <u>Format</u> {1} (SF13X)	0.00	0.00	0.00
(E)	Automatic Loop <u>Transfer</u> {1} (T593X)			
	Per arrangement	866.79	0.00	0.00
(F)	<u>Multiplexing</u> {1}			
	Per arrangement			
	DSO to Subrates			
	Up to 20 2.4 kbps service (MXN2U)	185.58	0.00	0.00
	Up to 10 4.8 kbps service (MXN4U)	361.52	0.00	0.00
	Up to 5 9.6 kbps service (MXN9U)	702.74	0.00	0.00

{1} Must be ordered in conjunction with either a SWBT-provided Channel Termination from Section 28.1.3 (Rates and Charges) or an Inter-connection Cross Connect from Section 25 (Expanded Interconnection).

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28.1 High Capacity (Cont'd)

28.1.3 Rates and Charges (Cont'd)

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
		<u>Initial</u>	<u>Subsequent</u>
(F) <u>Multiplexing</u> {1} (Cont'd)			
Per arrangement			
DS1 to DSO (MXNOU)	\$232.80	\$0.00	\$0.00
DS1 to Voice (MXNVU)	232.80	0.00	0.00
DS3 to DS1 (XXXXX)	ICB	0.00	0.00

{1} Must be ordered in conjunction with either a SWBT-provided Channel Termination from Section 28.1.3 (Rates and Charges) or an Inter-connection Cross Connect from Section 25 (Expanded Interconnection).

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28.2 Metallic

28.2.1 General

Metallic Service as described in Section 7.3.2(A) (Basic Channel Description) is applicable under Network Components.

Central Office Bridging Capability, as described in Section 7.3.2(D) (Optional Features and Functions), is available with Metallic Network Components. This rate element must be ordered in conjunction with a SWBT-provided Channel Termination ordered from Section 28.2.2 (Rates and Charges) or an Interconnection Cross Connect ordered from Section 25 (Expanded Interconnection).

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28.2 Metallic (Cont'd)

28.2.2 Rates and Charges

Each rate element is shown with its associated USOC, where available.

	<u>Fixed</u>	<u>Monthly Rate Per Mile</u>	<u>Nonrecurring Charge</u>
(A) <u>Channel Termination</u> (T6ECS)			
Per point of termination	\$ 17.91		\$ 75.80 70.51 {1}
(1) Inside Wire Charge (WMJ)			
-per channel termination	5.18		0.00
(B) <u>Channel Mileage</u> {1} (IL5XX)			
0 miles	0.00	0.00	0.00
Over 0 miles	0.00	\$14.57	148.00
(C) <u>Series Bridging</u> {2} (BCNMS)			
Per port	4.92		0.00
(D) <u>Three Premises Bridging</u> (BCNM3) {2}			
Per port	4.92		0.00

- {1} This nonrecurring charge applies only when a channel termination or channel mileage is ordered separately from the other.
- {2} Must be ordered in conjunction with either a SWBT-provided Channel Termination from Section 28.2.2 (Rates and Charges) or an Interconnection Cross Connect from Section 25 (Expanded Interconnection).

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28.3 Telegraph

28.3.1 General

Telegraph Service as described in Section 7.3.3(A) (Basic Channel Description) is applicable under Network Components.

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28.3 Telegraph (Cont'd)

28.3.2 Rates and Charges

Each rate element is shown with its associated USOC, where available.

	<u>Monthly Rate</u>	<u>Nonrecurring</u>
	<u>Fixed</u>	<u>Charge</u>
(A) <u>Channel Termination</u>		
Per point of termination		
Two-wire (T6E2X)	\$ 24.22	\$ 75.80
		70.51 {1}
Four-wire (T6E4X)	44.71	75.80
		70.51 {1}
(B) <u>Channel Mileage</u> {1}		
(IL5XX)		
0 miles	0.00	0.00
Over 0 to 4	16.97	197.00
Over 4 to 8	16.97	197.00
Over 8 to 25	19.46	197.00
Over 25 to 50	34.20	197.00
Over 50	34.20	197.00

{1} This nonrecurring charge applies only when a channel termination or channel mileage is ordered separately from the other.

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28.4 Voice Grade

28.4.1 General

Voice Grade Service as described in Section 7.3.4(A) (Basic Channel Description) is applicable under Network Components.

Central Office Bridging Capability, Conditioning, Data Capability, Improved Return Loss, Improved Termination and Signaling Capability, as described in Section 7.3.4(F) (Optional Features and Functions), are available with Voice Grade Network Components. These rate elements must be ordered in conjunction with a SWBT-provided Channel Termination ordered from Section 28.4.2 (Rates and Charges) or an Interconnection Cross Connect ordered from Section 25 (Expanded Interconnection).

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28.4 Voice Grade (Cont'd)

28.4.2 Rates and Charges

Each rate element is shown with its associated USOC, where available.

	Monthly Rate <u>Fixed</u>	Rate <u>Per Mile</u>	Nonrecurring <u>Charge</u>
(A) <u>Channel Termination</u>			
Per point of termination			
Two-wire (T6E2X)	\$ 25.84		\$ 78.05 72.60 {1}
Four-wire (T6E4X)	44.68		78.05 72.60 {1}
(1) Inside Wire Charge (WMJ)			
Per channel Termination	5.18		0.00
WATS Access Line Termination			
-Applicable to non-Joint provided intrastate interLATA only WATS and 800	40.50		0.00
Digital WAL {2} (T6EDX)	0.00		0.00

- {1} This nonrecurring charge applies only when a channel termination or channel mileage is ordered separately from the other.
- {2} Additive available in conjunction with customer ordered Digital High Capacity facility in 28.1 (High Capacity Service).

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28.4 Voice Grade (Cont'd)

28.4.2 Rates and Charges (Cont'd)

	Monthly Rate		Nonrecurring
	<u>Fixed</u>	<u>Per Mile</u>	<u>Charge</u>
(B) <u>Channel Mileage</u> {1}			
(1L5XX)			
0 miles	\$ 0.00	\$ 0.00	\$ 0.00
Over 0 to 4	15.56	3.26	202.00
Over 4 to 8	15.56	3.26	202.00
Over 8 to 25	17.84	2.98	202.00
Over 25 to 50	31.34	2.44	202.00
Over 50	31.34	2.44	202.00
(C) <u>Data Bridging</u> {2}			
Per port			
Two-wire (BCND2)	4.51		0.00
Four-wire (BCND4)	4.51		0.00

- {1} This nonrecurring charge applies only when a channel termination or channel mileage is ordered separately from the other.
- {2} Must be ordered in conjunction with either a SWBT-provided Channel Termination from Section 28.4.2 (Rates and Charges) or an Interconnection Cross Connect from Section 25 (Expanded Interconnection).

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28.4 Voice Grade (Cont'd)

28.4.2 Rates and Charges (Cont'd)

	Monthly Rate <u>Fixed</u>	Rate <u>Per Mile</u>	Nonrecurring <u>Charge</u>
(D) (Reserved for Future Use)			(C) (D)
(E) <u>Telemetry and Alarm</u> <u>Bridging {1}</u>			
<u>Active Bridging</u> <u>Channel Connections</u>			
Split Band, per channel connected (CNLRX)	0.71		0.00

{1} Must be ordered in conjunction with either a SWBT-provided Channel Termination from Section 28.4.2 (Rates and Charges) or an Interconnection Cross Connect from Section 25 (Expanded Interconnection).

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28.4 Voice Grade (Cont'd)

28.4.2 Rates and Charges (Cont'd)

		Monthly Rate		Nonrecurring
		<u>Fixed</u>	<u>Per Mile</u>	<u>Charge</u>
(F)	<u>Voice Bridging</u> {1}			
	Per port			
	Two-wire (BCNV2)	\$ 4.51		\$ 0.00
	Four-wire (BCNV4)	4.51		0.00
(G)	<u>Conditioning</u> {1}			
	<u>Improved Attenuation</u> <u>Distortion (IAD)</u>			
	Per WAL point of termination (ORA)	0.00		0.00
(H)	<u>Data Capability</u> {1}			
	Per point of termination (XDCPT)	4.47		234.00

{1} Must be ordered in conjunction with either a SWBT-provided Channel Termination from Section 28.4.2 (Rates and Charges) or an Interconnection Cross Connect from Section 25 (Expanded Interconnection).

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28.4 Voice Grade (Cont'd)

28.4.2 Rates and Charges (Cont'd)

	Monthly Rate		Nonrecurring Charge
	<u>Fixed</u>	<u>Per Mile</u>	
(I) <u>Improved Return</u> <u>Loss</u> {1}			
Per two-wire point of termination (1RL2W)	\$ 3.20		\$ 0.00
(J) <u>Improved Termination</u> {1}			
Per four-wire point of termination (1RL4W)	3.20		0.00
(K) <u>Signaling</u> <u>Capability</u> {1}			
Per point of termination (XSS**) {2}	15.25		0.00

- {1} Must be ordered in conjunction with either a SWBT-provided Channel Termination from Section 28.4.2 (Rates and Charges) or an Interconnection Cross Connect from Section 25 (Expanded Interconnection).
- {2} In lieu of **, substitute appropriate two digit code from the following list to specify type of signaling:

AB AC CT DX DY EA EB EC EX GO GS LA LB LC LO LR LS RV

SF

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28.5 Reserved for Future Use

(C)

(D)

(D)

(D)

(D)

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28.5 Reserved for Future Use (cont'd)

(C)

(D)

(D)

(D)

(D)

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28.5 Reserved for Future Use (cont'd)

(C)

(D)

(D)

(D)

(D)

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28.6 Wideband Analog

28.6.1 General

Wideband Analog Service as described in Section 7.3.7(A) (Basic Channel Description) is applicable under Network Components.

Central Office Multiplexing, as described in Section 7.3.7(D) (Optional Features and Functions), is available with Wideband Analog Network Components. This rate element must be ordered with a SWBT-provided Channel Termination ordered from Section 28.6.3 (Rates and Charges) or an Interconnection Cross Connect ordered from Section 25 (Expanded Interconnection).

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28.6 Wideband Analog (Cont'd)

28.6.2 Rate Regulations

This section contains the exceptions that apply to the rate regulations contained in Section 7.2 (Rate Regulations) for Wideband Analog Service.

(A) Shared Use

Shared use as defined in Section 7.2.10 (Shared Use Analog and Digital High Capacity Services) is not applicable to Wideband Analog Network components.

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28.6 Wideband Analog (Cont'd)

28.6.3 Rates and Charges

Each rate element is shown with its associated USOC, where available.

	<u>Monthly Rate</u>	<u>Nonrecurring</u>
	<u>Fixed</u>	<u>Charge</u>
(A) <u>Channel Termination</u> (TWT++)		
Per point of termination		
60 kHz to 108 kHz	ICB	ICB
312 kHz to 552 kHz	ICB	ICB
564 kHz to 3084 kHz	ICB	ICB
300 kHz to 19 kHz	ICB	ICB
29 kHz to 44 kHz	ICB	ICB
(B) <u>Channel Mileage {1}</u>		
60 kHz to 108 kHz		
312 kHz to 552 kHz		
564 kHz to 3084 kHz		
300 kHz to 18 kHz		
39 kHz to 44 kHz		
0 miles	\$ 0.00	\$ 0.00
Over 0 miles	ICB	ICB

{1} The nonrecurring charges do not apply if an associated SWBT-provided Channel Termination is ordered on the same Access Service Request on at least one end of the Channel Mileage.

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28.6 Wideband Analog (Cont'd)

28.6.3 Rates and Charges (Cont'd)

	<u>Monthly Rate</u>	<u>Nonrecurring</u>
	<u>Fixed</u>	<u>Charge</u>
	<u>Per Mile</u>	
(C) <u>Multiplexing</u> {1}		
Mastergroup to Supergroup (MQ9++)	ICB	\$ 0.00
Supergroup to Group (MQS++)	ICB	0.00
Group to Voice (MQV++)	ICB	0.00
Group to DS1 {2} (MQG++)	ICB	0.00

- {1} Must be ordered in conjunction with either a SWBT-provided Channel Termination from Section 28.6.3 (Rates and Charges) or an Interconnection Cross Connect from Section 25 (Expanded Interconnection).
- {2} Requires two 60-108 kHz Channel Terminations, and Channel Mileage, on 1.544 Mbps Channel Mileage and either a 1.544 Channel Termination or a DS1 to Voice multiplexing optional feature, depending on whether the service terminates at the customer's premises or was purchased as a facility, to a SWBT hub for multiplexing to Voice Grade.

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28.7 Wideband Data

28.7.1 General

Wideband Data Service as described in Section 7.3.8(A) (Basic Channel Description) is applicable under Network Components.

Key Activated Transfer Arrangement, as described in Section 7.3.8(D) (Optional Features and Functions), is available with Wideband Data Network Components. This rate element must be ordered with SWBT-provided Channel Termination ordered from Section 28.7.2 (Rates and Charges) or an Interconnection Cross Connect ordered from Section 25 (Expanded Interconnection).

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28.7 Wideband Data (Cont'd)

28.7.2 Rates and Charges

Each rate element is shown with it's associated USOC, where available.

	Monthly Rate		Nonrecurring Charge
	<u>Fixed</u>	<u>Per Mile</u>	
(A) <u>Channel Termination</u> (TWT++)			
19.2 or 18.75 kbps	ICB		ICB
50.0 or 40.8 kbps	ICB		ICB
230.4 kbps	ICB		ICB
(B) <u>Channel Mileage {1}</u> (ILO++)			
19.2 or 18.75 kbps			
50.0 or 40.8 kbps			
230.4 kbps			
0 miles	\$ 0.00	\$ 0.00	\$ 0.00
Over 0 mile	ICB	ICB	ICB

{1} The nonrecurring charge does not apply if an associated SWBT-provided Channel Termination is ordered on the same Access Service Request on at least one end of the Channel Mileage.

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28.7 Wideband Data (Cont'd)

28.7.2 Rates and Charges

		Monthly Rate		Nonrecurring
		<u>Fixed</u>	<u>Per Mile</u>	<u>Charge</u>
(C)	<u>Key Activated Transfer Arrangement</u> {1} (UTK++)			
	Per four port arrangement including control channel termination {2}	ICB	ICB	
(D)	<u>303 Data Station</u> {1} (TDQ++)			
	Per point of Termination, where provided	ICB	ICB	

- {1} Must be ordered in conjunction with either a SWBT-provided Channel Termination from Section 28.7.2 (Rates and Charges) or an Interconnection Cross Connect from Section 25 (Expanded Interconnection).
- {2} The key activated control channel is rated as a Metallic Channel Termination (use USOC T6EME in lieu of T6ECS) and Channel Mileage, if applicable (use USOC 1L5MX in lieu of 1L5XX).

Expanded interconnection is offered under protest. It's availability is subject in all respects to the Stipulation and Agreement entered into in Docket No. 13990.

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Southwestern Bell Telephone Company
Dallas, Texas
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28.8 Digital Link

28.8.1 General

Digital Link as described in Section 7.3.9(A) (Basic Channel Description) is applicable under Network Components.

Bridging and Secondary Channel Capability as described in Section 7.3.11(D) (Optional Features and Functions), is available with Wideband Data Network Components. This rate element must be ordered with and SWBT-provided Channel Termination ordered from Section 28.7.2 (Rates and Charges) or an Interconnection Cross Connect ordered from Section 25 (Expanded Interconnection).

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28.8 Digital Link (Cont'd)

28.8.2 Rates and Charges

Each rate element is shown with its associated USOC, where available.

	Monthly Rate <u>Fixed</u>	<u>Per Mile</u>	<u>Nonrecurring Charge</u>
(A) <u>Channel Termination</u> (T6ECS)			
Per point of termination			
2.4 kbps DL1	\$ 85.39		\$ 148.00 137.67 {1}
4.8 kbps DL2	80.59		148.00 137.67 {1}
9.6 kbps DL3	81.63		148.00 137.67 {1}
56 kbps DL4	138.19		224.00 208.37 {1}
2.4 kbps DL6 {2}	For rates -refer to to Digital Link Service Service Tariff-Section 2 MegaLink 1		
4.8 kbps DL7 {2}			
9.6 kbps DL8 {2}			
56 kbps DL9 {2}			
(1) Inside Wire Charge			
Per channel Termination (WMJ)	5.18		None

- {1} This nonrecurring charge applies only when a channel termination or channel mileage is ordered separately from the other.
- {2} Inside wire charges are not applicable on DL6-9.

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28. Digital Link (Cont'd)

28.8.2 Rates and Charges (Cont'd)

	Monthly Rate		Nonrecurring
	<u>Fixed</u>	<u>Per Mile</u>	<u>Charge</u>
(B) <u>Channel Mileage {1}</u> (1L5XX)			
2.4 kbps (DL1)			
<u>Mileage Bands</u>			
0 miles	\$ 0.00	\$ 0.00	\$ 0.00
Over 0 to 4	69.50	3.13	200.00
Over 4 to 8	75.79	1.57	200.00
Over 8 to 25	82.07	0.79	200.00
Over 25 to 50	91.87	0.39	200.00
Over 50	97.84	0.27	200.00
4.8 kbps (DL2)			
<u>Mileage Bands</u>			
0 miles	\$ 0.00	\$ 0.00	\$ 0.00
Over 0 to 4	69.37	1.81	200.00
Over 4 to 8	69.37	1.81	200.00
Over 8 to 25	74.79	1.13	200.00
Over 25 to 50	77.81	1.02	200.00
Over 50	77.81	1.02	200.00
9.6 kbps (DL3)			
<u>Mileage Bands</u>			
0 miles	\$ 0.00	\$ 0.00	\$ 0.00
Over 0 to 4	101.37	2.86	200.00
Over 4 to 8	101.37	2.86	200.00
Over 8 to 25	112.01	1.53	200.00
Over 25 to 50	119.37	1.22	200.00
Over 50	119.37	1.22	200.00

{1} The nonrecurring charge does not apply if an associated SWBT-provided Channel Termination is ordered on the same Access Service Request on at least one end of the Channel Mileage.

This filing is made, under protest, in compliance with PUC Subst. R. '23.92, effective November 28, 1994.

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NETWORK COMPONENTS

28. Digital Link (Cont'd)

28.8.2 Rates and Charges (Cont'd)

Nonrecurring	Monthly Rate		
	<u>Fixed</u>	<u>Per Mile</u>	<u>Charge</u>
(B) <u>Channel Mileage</u> {1} (Cont'd)			
56 kbps (DL4)			
<u>Mileage Bands</u>			
0 miles	\$ 0.00	\$ 0.00	\$ 0.00
Over 0 to 4	164.91	7.38	200.00
Over 4 to 8	173.32	5.27	200.00
Over 8 to 25	194.43	2.65	200.00
Over 25 to 50	194.43	2.65	200.00
Over 50	194.43	2.65	200.00
2.4 kbps (DL6)			
End-User or IC's	For rates -refer to		
-Wire Center to	to Digital Link Service		
standard-Digital	Service Tariff-Section 2		
Serving Hub	MegaLink Digital Service		
-Hub to Hub			
4.8 kbps (DL7)			
End-User or IC's	For rates -refer to		
-Wire Center to	to Digital Link Service		
standard-Digital	Service Tariff-Section 2		
Serving Hub	MegaLink Digital Service		
-Hub to Hub			
9.6 kbps (DL8)			
End-User or IC's	For rates -refer to		
-Wire Center to	to Digital Link Service		
standard-Digital	Service Tariff-Section 2		
Serving Hub	MegaLink Digital Service		
-Hub to Hub			

{1} This nonrecurring charge applies only when a channel termination or channel mileage is ordered separately from the other.

Expanded interconnection is offered under protest. It's availability is subject in all respects to the Stipulation and Agreement entered into in Docket No. 13990.

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NETWORK COMPONENTS

28.8 Voice Grade (Cont'd)

28.8.2 Rates and Charges (Cont'd)

	<u>Monthly Rate</u> <u>Fixed</u>	<u>Rate</u> <u>Per Mile</u>	<u>Nonrecurring</u> <u>Charge</u>	
(B) <u>Channel Mileage</u> {1} (Cont'd)				
56 kbps (DL9)				
End-User or IC's		For rates -refer to		
-Wire Center to		to Digital Link Service		(T)
standard-Digital		Service Tariff-Section 2		
Serving Hub		MegaLink Digital Service		
-Hub to Hub				
(C) <u>Bridging</u> (BCNDA) {2}				
Per port				
MegaLink I	\$ 18.00		\$ 0.00	
(D) <u>Secondary Channel</u> <u>Capability</u> (SCA) {2}				
Per channel				
termination				
For all speeds	9.89		112.00	

- {1} This nonrecurring charge applies only when a channel termination or channel mileage is ordered separately from the other.
- {2} Must be ordered in conjunction with either a SWBT-provided Channel Termination from Section 28.4.2 (Rates and Charges) or an Interconnection Cross Connect from Section 25 (Expanded Interconnection).

Expanded interconnection is offered under protest. It's availability is subject in all respects to the Stipulation and Agreement entered into in Docket No. 13990.