

President - Texas  
Southwestern Bell Telephone Company  
Dallas, Texas  
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**ACCESS SERVICE TARIFF**  
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**NETWORK COMPONENTS**

**Sheet**

<b>28. <u>Network Components</u></b> .....	2
28.1 High Capacity.....	2
28.1.1 General .....	2
28.1.2 Rate Regulations .....	3
A. Shared Use .....	3
28.1.3 Rates and Charges .....	4
28.2 Metallic.....	7
28.2.1 General .....	7
28.2.2 Rates and Charges .....	7
28.3 Telegraph.....	8
28.3.1 General .....	9
28.3.2 Rates and Charges .....	10
28.4 Voice Grade.....	11
28.4.1 General .....	11
28.4.2 Rates and Charges .....	12
28.5 Reserved for future use.....	17
	(C)
	(D)
	(D)
28.6 Wideband Analog.....	20
28.6.1 General .....	20
28.6.2 Rate Regulations .....	21
28.6.3 Rates and Charges .....	22
28.7 Wideband Data.....	24
28.7.1 General .....	24
28.7.2 Rates and Charges .....	24
28.8 Digital Link.....	27
28.8.1 General .....	27
28.8.2 Rates and Charges .....	28

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ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 2  
Revision: Original  
Replacing:

## NETWORK COMPONENTS

### **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).

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ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 3  
Revision: 1  
Replacing: Original

NETWORK COMPONENTS

**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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Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: December 29, 1995  
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ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 4  
Revision: 1  
Replacing: Original

**NETWORK COMPONENTS**

**28.1 High Capacity (Cont'd)**

**28.1.3 Rates and Charges**

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

		Monthly Rate		Nonrecurring
		Fixed	Per Mile	Charge
<b>(A) <u>Channel Termination</u></b>				
	Per point of termination			
	1.544 Mbps (T7TGX)	\$ 207.00		\$ 645.00
	44.736 Mbps (XXXXX)	ICB		600.00 {1}
<b>(B) <u>Channel Mileage</u> {1}</b>				
	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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President - Texas Division  
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Issued: March 24, 1994  
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ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 5  
Revision: Original  
Replacing:

**NETWORK COMPONENTS**

**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 Format {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 SGBT-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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President - Texas Division  
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ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 6  
Revision: Original  
Replacing:

**NETWORK COMPONENTS**

**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 {1}</u> (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 Interconnection Cross Connect from Section 25 (Expanded Interconnection).

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President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: December 29, 1995  
Effective: January 29, 1996

ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 7  
Revision: Original  
Replacing:

NETWORK COMPONENTS

**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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President - Texas Division  
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ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 8  
Revision: Original  
Replacing:

**NETWORK COMPONENTS**

**28.2 Metallic (Cont'd)**

**28.2.2 Rates and Charges**

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

		Monthly Rate	
		Fixed	Per Mile
(A)	<u>Channel Termination</u> (T6ECS)		Nonrecurring Charge
	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
	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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President - Texas Division  
Southwestern Bell Telephone Company  
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Issued: December 29, 1995  
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ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 9  
Revision: Original  
Replacing:

NETWORK COMPONENTS

**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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President - Texas Division  
Southwestern Bell Telephone Company  
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Issued: December 29, 1995  
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ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 10  
Revision: Original  
Replacing:

**NETWORK COMPONENTS**

**28.3 Telegraph (Cont'd)**

**28.3.2 Rates and Charges**

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

		Monthly Rate		Nonrecurring
	<u>Fixed</u>	<u>Per Mile</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	3.56	197.00
Over 4 to 8		16.97	3.56	197.00
Over 8 to 25		19.46	3.24	197.00
Over 25 to 50		34.20	2.66	197.00
Over 50		34.20	2.66	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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President - Texas Division  
Southwestern Bell Telephone Company  
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Issued: December 29, 1995  
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ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 11  
Revision: Original  
Replacing:

#### NETWORK COMPONENTS

#### **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 SGBT-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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President - Texas Division  
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ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 12  
Revision: Original  
Replacing:

**NETWORK COMPONENTS**

**28.4 Voice Grade (Cont'd)**

**28.4.2 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)	\$ 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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President - Texas Division  
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Issued: December 29, 1995  
Effective: January 29, 1996

ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 13  
Revision: Original  
Replacing:

**NETWORK COMPONENTS**

**28.4 Voice Grade (Cont'd)**

**28.4.2 Rates and Charges (Cont'd)**

	Monthly Rate	Nonrecurring
	<u>Fixed</u>	<u>Per Mile</u>
(B) <u>Channel Mileage</u> {1} (1L5XX)		
0 miles	\$ 0.00	\$ 0.00
Over 0 to 4	15.56	3.26
Over 4 to 8	15.56	3.26
Over 8 to 25	17.84	2.98
Over 25 to 50	31.34	2.44
Over 50	31.34	2.44
(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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ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 14  
Revision: 1  
Replacing: Original

## NETWORK COMPONENTS

## 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>
(D) (Reserved for Future Use)		(C) (D)
(E) <u>Telemetry and Alarm 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 SGBT-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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President - Texas Division  
Southwestern Bell Telephone Company  
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Issued: December 29, 1995  
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ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 15  
Revision: Original  
Replacing:

**NETWORK COMPONENTS**

**28.4 Voice Grade (Cont'd)**

**28.4.2 Rates and Charges (Cont'd)**

	Monthly Rate	Nonrecurring
	<u>Fixed</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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President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
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ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 16  
Revision: Original  
Replacing:

**NETWORK COMPONENTS**

**28.4 Voice Grade (Cont'd)**

**28.4.2 Rates and Charges (Cont'd)**

	Monthly Rate	Nonrecurring
	<u>Fixed</u>	<u>Charge</u>
(I) <u>Improved Return 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 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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President - Texas  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: February 3, 2003  
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**ACCESS SERVICE TARIFF**  
Section: 28  
Sheet: 17  
Revision: 1  
Replacing: Original

**NETWORK COMPONENTS**

**28.5 Reserved for Future Use**

(C)

(D)

(D)

(D)

(D)

President - Texas  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: February 3, 2003  
Effective: March 10, 2003

**ACCESS SERVICE TARIFF**  
Section: 28  
Sheet: 18  
Revision: 1  
Replacing: Original

**NETWORK COMPONENTS**

**28.5 Reserved for Future Use (cont'd)**

(C)

(D)

(D)

(D)

(D)

President - Texas  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: February 3, 2003  
Effective: March 10, 2003

**ACCESS SERVICE TARIFF**  
Section: 28  
Sheet: 19  
Revision: 1  
Replacing: Original

**NETWORK COMPONENTS**

**28.5 Reserved for Future Use (cont'd)**

(C)

(D)

(D)

(D)

(D)

President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: December 29, 1995  
Effective: January 29, 1996

ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 20  
Revision: Original  
Replacing:

## NETWORK COMPONENTS

### **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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Dallas, Texas  
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ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 21  
Revision: Original  
Replacing:

**NETWORK COMPONENTS**

**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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President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: December 29, 1995  
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ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 22  
Revision: Original  
Replacing:

**NETWORK COMPONENTS**

**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</u> {1}			
	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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President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: December 29, 1995  
Effective: January 29, 1996

ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 23  
Revision: Original  
Replacing:

**NETWORK COMPONENTS**

**28.6 Wideband Analog (Cont'd)**

**28.6.3 Rates and Charges (Cont'd)**

		Monthly Rate		Nonrecurring
		<u>Fixed</u>	<u>Per Mile</u>	<u>Charge</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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President - Texas Division  
Southwestern Bell Telephone Company  
Dallas, Texas  
Issued: December 29, 1995  
Effective: January 29, 1996

ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 24  
Revision: Original  
Replacing:

## NETWORK COMPONENTS

### **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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President - Texas Division  
Southwestern Bell Telephone Company  
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Issued: December 29, 1995  
Effective: January 29, 1996

ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 25  
Revision: Original  
Replacing:

**NETWORK COMPONENTS**

**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
	<u>Fixed</u>	<u>Per Mile</u>	<u>Charge</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.

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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Dallas, Texas  
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ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 26  
Revision: Original  
Replacing:

**NETWORK COMPONENTS**

**28.7 Wideband Data (Cont'd)**

**28.7.2 Rates and Charges**

	Monthly Rate	Nonrecurring
	<u>Fixed</u>	<u>Per Mile</u>
(C) <u>Key Activated Transfer {1}</u> <u>Arrangement (UTK++)</u>		
Per four port arrangement including control channel termination {2}	ICB	ICB
(D) <u>303 Data Station {1}</u> <u>(TDQ++)</u>		
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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ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 27  
Revision: Original  
Replacing:

NETWORK COMPONENTS

**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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ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 28  
Revision: Original  
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**NETWORK COMPONENTS**

**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	
		Fixed	Per Mile
(A)	<u>Channel Termination</u> (T6ECS)		Nonrecurring Charge
	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	
	4.8 kbps DL7 {2}	to Digital Link Service	
	9.6 kbps DL8 {2}	Service Tariff-Section 2	
	56 kbps DL9 {2}	MegaLink 1	
(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.

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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ACCESS SERVICE TARIFF  
Section: 28  
Sheet: 29  
Revision: Original  
Replacing:

**NETWORK COMPONENTS**

**28. Digital Link (Cont'd)**

**28.8.2 Rates and Charges (Cont'd)**

	<u>Monthly Fixed</u>	<u>Rate Per Mile</u>	<u>Nonrecurring 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 kpbs (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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Southwestern Bell Telephone Company  
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**ACCESS SERVICE TARIFF**  
Section: 28  
Sheet: 30  
Revision: 1  
Replacing: Original

**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 kpbs (DL6)			
End-User or IC's -Wire Center to standard-Digital Serving Hub -Hub to Hub	For rates -refer to to Digital Link Service Service Tariff-Section 2 MegaLink Digital Service		(T)
4.8 kbps (DL7)			
End-User or IC's -Wire Center to standard-Digital Serving Hub -Hub to Hub	For rates -refer to to Digital Link Service Service Tariff-Section 2 MegaLink Digital Service		(T)
9.6 kbps (DL8)			
End-User or IC's -Wire Center to standard-Digital Serving Hub -Hub to Hub	For rates -refer to to Digital Link Service Service Tariff-Section 2 MegaLink Digital Service		(T)

{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)**

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