

**TARIFF DISTRIBUTION**

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STATE: TENNESSEE

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TYPE OF DISTRIBUTION: Approved

PURPOSE: Increase Private Line Channels (APL) and SynchroNet (DS0) monthly charges.

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### B3. CHANNELS

#### B3.3 Application of Rates (Cont'd)

##### B3.3.3 Mileage Measurements (Cont'd)

A. (Cont'd)

6. Obtain the square root of the result obtained in paragraph 5. This is the rate distance in miles (fractional miles being considered as full miles).

EXAMPLE: The rate distance is required between City One and City Two.

	<b>V</b>	<b>H</b>
City One	7260	2083
City Two	7364	1865
Difference	104	218
Squared	10,816 + 47,524	= 58,340

58,340 divided by 10 = 5834

Square root of 5834 = 76.38 = 77 Airline miles

- B. When a private line is furnished over facilities which the Company elects to provide on a direct basis and is not routed through a central office, one two-point channel charge from B3.4.2 will apply. The arrangement is limited to channels not more than one airline mile in length.
- C. For the purpose of applying multipoint charges, the bridging or hubbing locations are determined by that combination of airline distances connecting the serving wire center which will produce the lowest interoffice mileage charges. Bridging charges apply when three or more channels connect at the same location.
- D. For Series 1000, 2000 and 6000 channels the customer may specify the sequence in which the service points are to be connected in which case the rate mileage is the shortest airline mileage determined in accordance with paragraph C, which will connect the wire centers of the service points in the specified sequence.

#### B3.4 Rates And Charges

##### B3.4.1 Local Channels

	Monthly Rate	Nonrecurring Charge		USOC	
		First	Additional		
A. Sub Voice Grade					
1. Per point of termination					
(a) Type 1204	<i>\$216.00</i>	<b>\$330.00</b>	<b>\$ 224.40</b>	<b>P1JAX</b>	(1)
(b) Type 1205	<i>197.00</i>	<b>335.50</b>	<b>137.50</b>	<b>P1JHX</b>	(1)
B. Voice Grade					
Per point of termination					
1. Voice					
(a) Type 2230	<i>593.00</i>	<b>382.80</b>	<b>151.80</b>	<b>P2JUX</b>	(1)
(b) Type 2231	<i>593.00</i>	<b>382.80</b>	<b>151.80</b>	<b>P2JHX</b>	(1)
(c) Type 2432	<i>890.00</i>	<b>402.00</b>	<b>174.00</b>	<b>P2JQX</b>	(1)
(d) Type 2434	<i>185.00</i>	<b>148.50</b>	<b>85.80</b>	<b>P2JGX</b>	(1)
(e) Type 2435	<i>890.00</i>	<b>341.00</b>	<b>143.00</b>	<b>P2JWX</b>	(1)
(f) Type 2261	<i>690.00</i>	<b>420.00</b>	<b>276.00</b>	<b>P2JLX</b>	(1)
(g) Type 2462	<i>821.00</i>	<b>517.00</b>	<b>247.50</b>	<b>P2JRX</b>	(1)
2. Data					
(a) Type 2463	<i>940.00</i>	<b>462.00</b>	<b>204.60</b>	<b>P2JMX</b>	(1)
(b) Type 2464	<i>940.00</i>	<b>462.00</b>	<b>204.60</b>	<b>P2JNX</b>	(1)

**B3. CHANNELS**

**B3.4 Rates And Charges (Cont'd)**

**B3.4.1 Local Channels (Cont'd)**

	Monthly Rate	Nonrecurring Charge		USOC	
		First	Additional		
C. Wired Music					
1. Per point of termination					
(a) Type 6211	\$358.00	\$484.00	\$220.00	P6JAX	(1)
(b) Type 6212	447.00	566.50	291.50	P6JBX	(1)
(c) Type 6213	502.00	583.00	308.00	P6JCX	(1)
(d) Type 6215	350.00	484.00	220.00	P6JEX	(1)
(e) Type 6216	447.00	566.50	291.50	P6JNX	(1)
(f) Type 6217	502.00	583.00	308.00	P6JGX	(1)

**B3.4.2 Non-Wire Center Connected Channels (Obsoleted, See Section B103)**

**B3.4.3 Interoffice Channels<sup>1</sup>**

	Fixed Monthly Charge	Monthly Charge Per Mile	Nonrecurring Charge Per Channel	USOC	
A. Fixed and Mileage Charges					
1. Sub Voice Grade - Series 1000 <sup>2</sup>					
(a) 1 thru 8 Miles	\$271.00	\$ 25.00	-	3LBAS	(1)
(b) 9 thru 25 Miles	271.00	25.00	-	3LBAS	(1)
(c) Over 25 Miles	271.00	25.00	-	3LBAS	(1)
2. Voice Grade Service - Series 2000					
(a) 1 thru 8 Miles	856.00	65.00	\$122.75	3LBBS	(1)
(b) 9 thru 25 Miles	856.00	65.00	122.75	3LBBS	(1)
(c) Over 25 Miles	856.00	65.00	122.75	3LBBS	(1)

**Note 1:** For method of determining mileage, see B3.3.3.A.

**Note 2:** Metallic interoffice channels are no longer available for new installations, moves or transfers. Metallic interoffice facilities are in continually decreasing supply due to modernization programs that replace existing metallic interoffice with non-metallic facilities such as fiber optics.

Page 13.1 is hereby deleted in its entirety and removed from this Guidebook.

**B3. CHANNELS**

**B3.4 Rates And Charges (Cont'd)**

**B3.4.3 Interoffice Channels<sup>1</sup> (Cont'd)**

**A. Fixed and Mileage Charges applicable (Cont'd)**

	<b>Fixed Monthly Charge</b>	<b>Monthly Charge Per Mile</b>	<b>Nonrecurring Charge Per Channel</b>	<b>USOC</b>	
3. Wired Music - Series 6000 3.0 kHz Types 6211 and 6215					
(a) 1 thru 8 Miles	<i>\$495.00</i>	<i>\$18.00</i>	<i>\$83.60</i>	<b>3LBCS</b>	(1)
(b) 9 thru 25 Miles	<i>495.00</i>	<i>18.00</i>	<i>83.60</i>	<b>3LBCS</b>	(1)
(c) Over 25 Miles	<i>495.00</i>	<i>18.00</i>	<i>83.60</i>	<b>3LBCS</b>	(1)
4. Wired Music - Series 6000 5 kHz Types 6212 and 6216					
(a) 1 thru 8 Miles	<i>512.00</i>	<i>35.00</i>	<i>73.70</i>	<b>3LBDS</b>	(1)
(b) 9 thru 25 Miles	<i>512.00</i>	<i>35.00</i>	<i>73.70</i>	<b>3LBDS</b>	(1)
(c) Over 25 Miles	<i>512.00</i>	<i>35.00</i>	<i>73.70</i>	<b>3LBDS</b>	(1)
5. Wired Music - Series 6000 8 kHz Types 6213 and 6217					
(a) 1 thru 8 Miles	<i>691.00</i>	<i>57.00</i>	<i>73.70</i>	<b>3LBES</b>	(1)
(b) 9 thru 25 Miles	<i>691.00</i>	<i>57.00</i>	<i>73.70</i>	<b>3LBES</b>	(1)
(c) Over 25 Miles	<i>691.00</i>	<i>57.00</i>	<i>73.70</i>	<b>3LBES</b>	(1)

**B3.4.4 Optional Features And Functions**

**A. Bridging**

Bridging charges are applicable where more than two Local Channels, or one or more Local Channels and more than one Interoffice Channel, or more than one Local Channel and one Interoffice Channel are bridged or hubbed at the same wire center. No additional bridging charges are applicable for Series 1000, Types 1204 and 1205.

1. Voice Grade Bridges (Series 2000)

	<b>Monthly Rate</b>	<b>Nonrecurring Charge</b>	<b>USOC</b>	
a. Voice Bridging				
(1) Per Port				
(a) Two-Wire (Type 2230)	<i>\$227.00</i>	<i>\$40.90</i>	<b>BQ9</b>	(1)
(b) Four-Wire (Type 2435)	<i>295.00</i>	<i>37.50</i>	<b>BQ9</b>	(1)
b. Data Bridging				
(1) Per Port				
(a) Four-Wire (Types 2463 and 2464)	<i>426.00</i>	<i>41.15</i>	<b>BQ9</b>	(1)

**Note 1:** For method of determining mileage, see B3.3.3.A.

**Page 14.1 is hereby deleted in its entirety and removed from this Guidebook.**

### B3. CHANNELS

#### B3.4 Rates And Charges (Cont'd)

##### B3.4.4 Optional Features And Functions (Cont'd)

###### A. Bridging (Cont'd)

###### 1. Voice Grade Bridges (Series 2000) (Cont'd)

	<b>Monthly Rate</b>	<b>Nonrecurring Charge</b>	<b>USOC</b>	
c. (DELETED)				
d. (DELETED)				
e. Telemetry and Alarm Bridging - Split Band, Active Bridging				
(1) Common Equipment, per central office				
(a) First bridging shelf, capacity of 48 two-wire connections	<i>851.00</i>	<b>\$365.00</b>	<b>XW1</b>	(1)
(b) Additional bridging shelf, capacity of 56 two-wire connections installed subsequent to the first bridging shelf	<i>85.00</i>	<b>325.00</b>	<b>XW2</b>	(1)
(c) Additional bridging shelf, capacity of 56 two-wire connections installed at the same time as the first bridging shelf	<i>431.00</i>	<b>205.00</b>	<b>XW8</b>	(1)
(2) Channel connections, per channel connected				
(a) Remote station channel connection	<i>35.00</i>	<b>33.00</b>	<b>XW3</b>	(1)
(b) Mid-link channel connection, first channel	<i>85.00</i>	<b>41.00</b>	<b>XW4</b>	(1)
(c) Mid-link channel connection, subsequent channels	<i>85.00</i>	<b>41.00</b>	<b>XW5</b>	(1)
2. Wired Music Bridges (Series 6000)				
a. Distribution Amplifiers				
(1) Per Port				
(a) Each	<b>2.20</b>	<b>28.60</b>	<b>6LE</b>	

### B3. CHANNELS

#### B3.4 Rates And Charges (Cont'd)

##### B3.4.4 Optional Features And Functions (Cont'd)

**B.** Signaling Arrangements

Signaling arrangements are provided at the customer's option to arrange channels for suitable signaling. Signaling is required on all off-premises extension channels and tie line channels associated with PBX (or similar) systems.

1. Per local channel

	<b>Monthly</b>	<b>Nonrecurring</b>			
	<b>Rate</b>	<b>Initial</b>	<b>Subsequent</b>	<b>USOC</b>	
(a) Ringdown-Manual	<i>\$138.00</i>	<b>\$41.80</b>	<b>\$187.00</b>	<b>SL3</b>	(1)
(b) Ringdown-Automatic	<i>127.00</i>	<b>17.60</b>	<b>59.40</b>	<b>SL5</b>	(1)
(c) E & M Type	<i>127.00</i>	<b>48.00</b>	<b>192.00</b>	<b>SLM</b>	(1)
(d) Type A (0-199 ohms)	<i>75.00</i>	<b>46.80</b>	<b>132.00</b>	<b>SAL</b>	(1)
(e) Type B (200-899 ohms)	<i>75.00</i>	<b>46.20</b>	<b>145.20</b>	<b>SAU</b>	(1)
(f) Type C (900 or more ohms)	<i>35.00</i>	<b>15.85</b>	<b>145.20</b>	<b>SAY</b>	(1)

**C.** Conditioning (Voice Grade Services)

1. Conditioning provides more specific transmission characteristics for data services. There are two types of C-conditioning and one type of D-conditioning, each with different technical specifications. C-Type conditioning controls attenuation distortion and envelope delay distortion. D-Type conditioning controls the signal to C-notched noise ratio and intermodulation distortion.

Conditioning is charged for on a per Local Channel basis for two-point and multipoint service. For two-point services the parameters apply to each service. For multipoint services the parameters apply to any path between any two service points.

### B3. CHANNELS

#### B3.4 Rates And Charges (Cont'd)

##### B3.4.4 Optional Features And Functions (Cont'd)

C. Conditioning (Voice Grade Services) (Cont'd)

2. The types and description of the available conditioning options are as follows:

Type Conditioning	Frequency Response Specification	Envelope Delay Distortion Specification
C1 (two-point or multipoint)	300-2700 Hz, -2dB to +6dB. 1000-2400 Hz, -1dB to +3dB.	1000-2400 Hz, less than 1000 microseconds
C2 (two-point or multipoint)	300-3000 Hz, -3dB to +12dB. 300-3000 Hz, -2dB to +6dB. 500-2800 Hz, -1dB to +3dB.	1000-2600 Hz, less than 500 microseconds 600-2600 Hz, less than 1500 microseconds 500-2800 Hz, less than 3000 microseconds
	<b>C-Notched Noise</b>	<b>Non-Linear Distortion</b>
D1 (two-point)	Noise level 28dB below signal level	<b>2nd Order Distortion</b> 35dB below signal level <b>3rd Order Distortion</b> 40dB below signal level

3. When a channel is equipped with Type D1 conditioning and is utilized for voice communications, the Company does not undertake to represent that the channel will be suitable for such voice transmission.

	Monthly Rate	Nonrecurring Charge		USOC	
		Initial	Subsequent		
4. C-Type Conditioning					
a. C-Type Conditioning is available for Types 2463 and 2464.					
(1) C-Types of Conditioning per local channel					
(a) C1-Type	\$35.00	\$11.00	\$68.20	P2W	(1)
(b) C2-Type	35.00	23.10	78.10	P3W	(1)
5. D-Type Conditioning					
a. D-Type Conditioning is available for Types 2463 and 2464.					
(1) D-Type Conditioning per local channel					
(a) D1-Type	35.00	17.60	72.60	QHA	(1)

**B7. DIGITAL NETWORK SERVICE**

**B7.2 SynchroNet Service (Cont'd)**

**B7.2.3 Rates and Charges<sup>1</sup>**

**A. Service wholly within the same LATA**

		Nonrecurring Charge		Month to 24 to 42 <sup>2,3</sup> 43 to 60 <sup>2,3</sup>			
		First	Add'l	Month	Months	Months	USOC
1.	A Digital Local Channel is furnished between a Serving Wire Center and the customer's premises. The Digital Local Channel charges apply per local channel.						
	(a) 2.4 Kbps	\$340.00	\$105.00	\$ 700.00	\$49.00	\$47.00	1RSD2 (I)
	(b) 4.8 Kbps	340.00	105.00	700.00	49.00	47.00	1RSD4 (I)
	(c) 9.6 Kbps	340.00	105.00	700.00	49.00	47.00	1RSD9 (I)
	(d) 19.2 Kbps	340.00	105.00	700.00	49.00	47.00	1RSD3 (I)
	(e) 56.0 Kbps	340.00	105.00	1,013.00	65.00	60.00	1RSD5 (I)
	(f) 64.0 Kbps	340.00	105.00	1,013.00	65.00	60.00	1RSD6 (I)
2.	A Node Channel Termination is required at the Company's Node Central Office. Node Channel Termination per local channel or equivalent, each.						
	(a) 2.4 Kbps	37.00	32.00	162.00	9.75	9.50	2UN24 (I)
	(b) 4.8 Kbps	37.00	32.00	162.00	9.75	9.50	2UN48 (I)
	(c) 9.6 Kbps	37.00	32.00	162.00	9.75	9.50	2UN96 (I)
	(d) 19.2 Kbps	37.00	32.00	162.00	9.75	9.50	2UN19 (I)
	(e) 56.0 Kbps	37.00	32.00	451.00	28.00	26.00	2UN56 (I)
	(f) 64.0 Kbps	37.00	32.00	451.00	28.00	26.00	2UN64 (I)
3.	A Digital Interoffice Channel is furnished between a serving wire center and the Node Central Office or between Node Central Offices. Digital Interoffice mileage is portrayed in bands. The appropriate mileage band for calculating interoffice mileage rates is determined by the total length in miles of that interoffice channel. A fixed rate and a rate per mile apply to each band <sup>1</sup> for each Digital Interoffice Channel provided.						
	a. Interoffice channel, each channel 0-8 miles						
	(1) Fixed rates applicable						
	(a) 2.4, 4.8, 9.6 and 19.2 Kbps	\$76.00		\$303.00	\$19.50	\$19.00	3LBAA (I)
	(b) 56.0 and 64.0 Kbps	76.00		613.00	36.00	34.00	3LBAA (I)
	(2) Each mile or fraction thereof						
	(a) 2.4, 4.8, 9.6 and 19.2 Kbps	-		25.00	1.90	1.75	3LBBA (I)
	(b) 56.0 and 64.0 Kbps	-		57.00	3.80	3.50	3LBBA (I)
	b. Interoffice channel, each channel 9-25 miles						
	(1) Fixed rates applicable						
	(a) 2.4, 4.8, 9.6 and 19.2 Kbps	76.00		303.00	19.50	19.00	3LBCA (I)
	(b) 56.0 and 64.0 Kbps	76.00		613.00	36.00	34.00	3LBCA (I)
	(2) Each mile or fraction thereof						
	(a) 2.4, 4.8, 9.6 and 19.2 Kbps	-		25.00	1.85	1.70	3LBDA (I)
	(b) 56.0 and 64.0 Kbps	-		57.00	3.70	3.40	3LBDA (I)
	c. Interoffice channel, each channel over 25 miles						
	(1) Fixed rates applicable						
	(a) 2.4, 4.8, 9.6 and 19.2 Kbps	76.00		303.00	19.50	19.00	3LBEA (I)
	(b) 56.0 and 64.0 Kbps	76.00		613.00	36.00	34.00	3LBEA (I)
	(2) Each mile or fraction thereof						
	(a) 2.4, 4.8, 9.6 and 19.2 Kbps	-		25.00	1.80	1.65	3LBFA (I)
	(b) 56.0 and 64.0 Kbps	-		57.00	3.60	3.30	3LBFA (I)

**Note 1:** Refer to B3.3.3.A for mileage measurement methodology.

**Note 2:** As of October 1, 2013, Contract Terms greater than 36 months are no longer available for new or renewing subscribers.

**Note 3:** Effective December 31, 2013, customers may not establish new term plans of any length for SynchroNet Service, and existing term plans may not be renewed. For new service, or for existing service after any term plan expires, service will be provided only on a month-to-month basis.

**Pages 11.1 is hereby deleted in its entirety and removed from this Guidebook.**