

**TARIFF DISTRIBUTION**

FILE PACKAGE NO.: MS-21-0008

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TYPE OF DISTRIBUTION: Approved

PURPOSE: Increase Business Analog Private Line and SynchroNet (DSO)  
Service monthly charges

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### B3. CHANNELS

#### B3.3 Rate Terms and Conditions (Cont'd)

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

A. (Cont'd)

- 6. Obtain the square root of the result obtained in 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.

	V	H
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. 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.
- C. For Series 1000 and 2000 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 B., which will connect the wire centers of the service points in the specified sequence.

#### B3.4 Rates And Charges

##### B3.4.1 Local Channels

A. Sub Voice Grade

	Monthly Rate	Nonrecurring Charge		USOC	
		First	Additional		
1. Per point of termination					
(a) Type 1204	\$505.00	\$266.40	\$102.24	P1JAX	(1)
(b) Type 1205	460.00	453.60	180.00	P1JHX	(1)

**B3. CHANNELS**

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

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

- B.** Voice Grade  
Per point of termination

		Monthly Rate	Nonrecurring Charge		USOC	
			First	Additional		
1.	Voice					
	(a) Type 2230	<i>\$1,389.00</i>	<b>\$432.00</b>	<b>\$165.60</b>	<b>P2JUX</b>	(1)
	(b) Type 2231	<i>1,389.00</i>	<b>439.20</b>	<b>165.60</b>	<b>P2JHX</b>	(1)
	(c) Type 2432	<i>2,085.00</i>	<b>504.00</b>	<b>216.00</b>	<b>P2JQX</b>	(1)
	(d) Type 2434	<i>432.00</i>	<b>201.60</b>	<b>112.32</b>	<b>P2JGX</b>	(1)
	(e) Type 2435	<i>2,085.00</i>	<b>468.00</b>	<b>187.20</b>	<b>P2JWX</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		
<b>B.</b>	Voice Grade					
	Per point of termination (Cont'd)					
	1. Voice (Cont'd)					
	(f) Type 2261	<i>\$1,615.00</i>	<b>\$720.00</b>	<b>\$338.40</b>	<b>P2JLX</b>	(1)
	(g) Type 2462	<i>1,923.00</i>	<b>712.80</b>	<b>331.20</b>	<b>P2JRX</b>	(1)
	2. Data					
	(a) Type 2463	<i>2,202.00</i>	<b>525.60</b>	<b>230.40</b>	<b>P2JMX</b>	(1)
	(b) Type 2464	<i>2,202.00</i>	<b>525.60</b>	<b>230.40</b>	<b>P2JNX</b>	(1)
<b>C.</b>	<b>(DELETED)</b>					

**B3. CHANNELS**

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

**B3.4.2 Reserved For Future Use**

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

**A. Fixed and Mileage Charges applicable**

		<b>Fixed Monthly Charge</b>	<b>Monthly Charge Per Mile</b>	<b>Nonrecurring Charge Per Channel</b>	<b>USOC</b>	
1.	Sub Voice Grade - Series 1000 <sup>2</sup>					
	(a) 1 thru 8 Miles	<i>\$633.00</i>	<i>\$57.00</i>	-	<b>3LBAS</b>	(1)
	(b) 9 thru 25 Miles	<i>633.00</i>	<i>57.00</i>	-	<b>3LBAS</b>	(1)
	(c) Over 25 Miles	<i>633.00</i>	<i>57.00</i>	-	<b>3LBAS</b>	(1)
2.	Voice Grade Service - Series 2000					
	(a) 1 thru 8 Miles	<i>2,005.00</i>	<i>151.00</i>	<b>\$135.36</b>	<b>3LBBS</b>	(1)
	(b) 9 thru 25 Miles	<i>2,005.00</i>	<i>151.00</i>	<b>135.36</b>	<b>3LBBS</b>	(1)
	(c) Over 25 Miles	<i>2,005.00</i>	<i>151.00</i>	<b>135.36</b>	<b>3LBBS</b>	(1)

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

**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.

**B3. CHANNELS**

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

**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>\$529.00</i>	<b>\$44.64</b>	<b>BQ9</b>	(1)
(b) Four-Wire (Type 2435)	<i>690.00</i>	<b>44.64</b>	<b>BQ9</b>	(1)
b. Data Bridging				
(1) Per Port				
(a) Four-Wire (Types 2463 and 2464)	<i>997.00</i>	<b>48.96</b>	<b>BQ9</b>	(1)

### 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. 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>\$1,992.00</i>	<b>\$405.00</b>	<b>XW1</b>	(1)
(b) Additional bridging shelf, capacity of 56 two-wire connections installed subsequent to the first bridging shelf	<i>1,992.00</i>	<b>370.00</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>1,008.00</i>	<b>225.00</b>	<b>XW8</b>	(1)
(2) Channel connections, per channel connected				
(a) Remote station channel connection	<i>79.00</i>	<b>33.00</b>	<b>XW3</b>	(1)
(b) Mid-link channel connection, first channel	<i>198.00</i>	<b>44.00</b>	<b>XW4</b>	(1)
(c) Mid-link channel connection, subsequent channels	<i>198.00</i>	<b>44.00</b>	<b>XW5</b>	(1)

### B3. CHANNELS

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

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

**(DELETED)**

**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.

		Monthly Rate	Nonrecurring Charge		USOC	
			Initial	Subsequent		
1.	Per local channel					
	(a) Ringdown-Manual	\$322.00	\$53.28	\$259.20	SL3	(1)
	(b) Ringdown-Automatic	295.00	21.60	80.64	SL5	(1)
	(c) E & M Type	295.00	61.92	244.80	SLM	(1)
	(d) Type A (0-199 ohms)	174.00	57.60	165.60	SAL	(1)
	(e) Type B (200-899 ohms)	174.00	51.84	165.60	SAU	(1)
	(f) Type C (900 or more ohms)	79.00	17.28	165.60	SAY	(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	\$79.00	\$14.40	\$ 93.60	P2W	(1)
(b) C2-Type	79.00	31.68	108.00	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	79.00	23.04	100.80	QHA	(1)

**B7. DIGITAL NETWORK SERVICE**

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

**B7.2.3 Rates and Charges**

A. Service wholly within the same LATA.

	Nonrecurring Charge		Month to Month	24 to 42 <sup>1,3</sup> Months	43 to 60 <sup>1,3</sup> Months	USOC	
	First	Add'l					
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	\$385.00	\$126.00	\$1,639.00	\$49.00	\$47.00	1RSD2	(1)
(b) 4.8 Kbps	385.00	126.00	1,639.00	49.00	47.00	1RSD4	(1)
(c) 9.6 Kbps	385.00	126.00	1,639.00	49.00	47.00	1RSD9	(1)
(d) 19.2 Kbps	385.00	126.00	1,639.00	49.00	47.00	1RSD3	(1)
(e) 56.0 Kbps	408.00	126.00	2,373.00	65.00	60.00	1RSD5	(1)
(f) 64.0 Kbps	408.00	126.00	2,373.00	65.00	60.00	1RSD6	(1)
2. A Node Channel Termination is required at the Company's Node Central Office. Node Channel Termination per local channel, each.							
(a) 2.4 Kbps	37.00	32.00	378.00	9.75	9.50	2UN24	(1)
(b) 4.8 Kbps	37.00	32.00	378.00	9.75	9.50	2UN48	(1)
(c) 9.6 Kbps	37.00	32.00	378.00	9.75	9.50	2UN96	(1)
(d) 19.2 Kbps	37.00	32.00	378.00	9.75	9.50	2UN19	(1)
(e) 56.0 Kbps	37.00	32.00	1,054.00	28.00	26.00	2UN56	(1)
(f) 64.0 Kbps	37.00	32.00	1,054.00	28.00	26.00	2UN64	(1)
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 flat rate and a rate per mile apply to each band <sup>2</sup> for each Digital Interoffice Channel provided.							
	Nonrecurring Charge		Month to Month	24 to 42 <sup>1,3</sup> Months	43 to 60 <sup>1,3</sup> Months	USOC	
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		\$708.00	\$19.95	\$19.85	3LBAA	(1)
(b) 56.0 and 64.0 Kbps	76.00		1,435.00	36.00	34.00	3LBAA	(1)
(2) Each mile or fraction thereof							
(a) 2.4, 4.8, 9.6 and 19.2 Kbps	-		57.00	1.90	1.75	3LBBA	(1)
(b) 56.0 and 64.0 Kbps	-		132.00	3.80	3.50	3LBBA	(1)
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		708.00	19.95	19.85	3LBCA	(1)
(b) 56.0 and 64.0 Kbps	76.00		1,435.00	36.00	34.00	3LBCA	(1)

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

**Note 2:** Refer to B3 for mileage measurement methodology.

**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.

**B7. DIGITAL NETWORK SERVICE**

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

**B7.2.3 Rates and Charges (Cont'd)**

	<b>Nonrecurring Charge</b>	<b>Month to Month</b>	<b>24 to 42<sup>6,7</sup> Months</b>	<b>43 to 60<sup>6,7</sup> Months</b>	<b>USOC</b>	
<b>A. Service wholly within the same LATA. (Cont'd)</b>						
3. (Cont'd) <sup>1</sup>						
b. Interoffice channel, each channel 9-25 miles (Cont'd)						
(2) Each mile or fraction thereof						
(a) 2.4, 4.8, 9.6 and 19.2 Kbps	\$-	\$57.00	\$1.85	\$1.70	3LBDA	(1)
(b) 56.0 and 64.0 Kbps	-	132.00	3.70	3.40	3LBDA	(1)
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	708.00	19.95	19.85	3LBEA	(1)
(b) 56.0 and 64.0 Kbps	76.00	1,435.00	36.00	34.00	3LBEA	(1)
(2) Each mile or fraction thereof						
(a) 2.4, 4.8, 9.6 and 19.2 Kbps	-	57.00	1.80	1.65	3LBFA	(1)
(b) 56.0 and 64.0 Kbps	-	132.00	3.60	3.30	3LBFA	(1)
<b>B. Optional Features and Functions</b>						
1. Multipoint Service, per local or interoffice channel bridged <sup>2,3</sup>						
(a) 2.4, 4.8., 9.6 or 19.2 Kbps	28.00	30.00	24.00	22.00	6BN	
(b) 56.0 Kbps	28.00	30.00	24.00	22.00	6BN	
2. Secondary Channel Capability, per local channel						
(a) Each <sup>2,3,4</sup>	180.00	18.00	14.00	13.00	SFS	
			<b>Nonrecurring Charge First</b>	<b>Additional</b>	<b>USOC</b>	
3. Speed Change Charge, per local channel <sup>5</sup>						
(a) Each			\$249.00	\$105.00	SCH	

- Note 1:** Refer to B3 for mileage measurement methodology.
- Note 2:** This option may not be available in all service locations.
- Note 3:** This option is not available with 64.0 Kbps.
- Note 4:** Nonrecurring charge is applicable only if Secondary Channel service is being added subsequent to the installation of basic service.
- Note 5:** Speed Change Charge is applicable where circuit out of service time during speed change activity is acceptable to customer.
- Note 6:** As of October 1, 2013, payment periods greater than 36 months are no longer available for new or renewing subscribers.
- Note 7:** 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.