

### B3. CHANNELS

#### B3.3 Rate Regulations (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.) (Cont'd)

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 will apply. The arrangement is limited to channels not more than one airline mile in length.
- C. On a multipoint circuit, each channel connecting a hubbing wire center with a serving wire center or a hubbing wire center with another hubbing wire center or a serving wire center with another serving wire center is considered a separate channel for which a mileage charge is independently computed. The total charge for a multipoint channel is the combination of individual legs that connect all points and results in the lowest charge. Bridging charges apply when three or more channels connect at the same location.
- D. 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 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

- A. Sub Voice Grade (Obsoleted, See B103.)
- B. Voice Grade  
Per point of termination
1. Voice

	Monthly Rate	Nonrecurring Charge		USOC	
	First	Additional			
(a) Type 2230	<i>\$262.00</i>	<i>\$448.80</i>	<i>\$145.20</i>	<b>P2JUX</b>	(1)
(b) Type 2231	<i>262.00</i>	<i>448.80</i>	<i>145.20</i>	<b>P2JHX</b>	(1)
(c) Type 2432	<i>393.00</i>	<i>521.40</i>	<i>184.80</i>	<b>P2JQX</b>	(1)
(d) Type 2434	<i>83.00</i>	<i>204.60</i>	<i>99.00</i>	<b>P2JGX</b>	(1)
(e) Type 2435	<i>393.00</i>	<i>481.80</i>	<i>165.00</i>	<b>P2JWX</b>	(1)
(f) Type 2261	<i>305.00</i>	<i>745.80</i>	<i>303.60</i>	<b>P2JLX</b>	(1)
(g) Type 2462	<i>363.00</i>	<i>732.60</i>	<i>290.40</i>	<b>P2JRX</b>	(1)

**B3. CHANNELS**

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

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

- B.** Voice Grade  
Per point of termination (Cont'd)
- 2. Data

	<b>Monthly Rate</b>	<b>Nonrecurring Charge</b>		<b>USOC</b>	
		<b>First</b>	<b>Additional</b>		
(a) Type 2260	<i>\$305.00</i>	<i>\$534.60</i>	<i>\$198.00</i>	<b>P2JKX</b>	(1)
(b) Type 2463	<i>415.00</i>	<i>534.60</i>	<i>198.00</i>	<b>P2JMX</b>	(1)
(c) Type 2464	<i>415.00</i>	<i>534.60</i>	<i>198.00</i>	<b>P2JNX</b>	(1)

- C.** (Obsoleted, See B103)

**B3.4.2 Non-Wire Center Connected Channels<sup>1</sup>**

- A.** Served Direct
- 1. Not routed via the central office, limited to one airline mile or less

	<b>Monthly Rate</b>	<b>Nonrecurring Charge</b>		<b>USOC</b>	
		<b>First</b>	<b>Additional</b>		
(a) Series 1000 (Obsoleted, See B103.)	-	-	-	<b>SDD1X</b>	
(b) Series 2000	<i>\$62.00</i>	<i>\$627.00</i>	<i>\$217.80</i>	<b>SDD2X</b>	(1)

**Note 1:** Nonrecurring charges are described in B3.3.1.A.

**B3. CHANNELS**

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

**B3.4.3 Interoffice Channels<sup>1,2</sup>**

**A.** Fixed and Mileage Charges applicable

1. Sub Voice Grade - Series 1000 (Obsoleted, See B103.)
2. Voice Grade Service - Series 2000

	<b>Fixed Monthly Charge</b>	<b>Monthly Charge Per Mile</b>	<b>Nonrecurring Charge Per Channel</b>	<b>USOC</b>	
(a) 1 thru 8 Miles	<i>\$378.00</i>	<i>\$20.00</i>	<i>\$117.48</i>	<b>3LBBS</b>	(1)
(b) 9 thru 25 Miles	<i>378.00</i>	<i>20.00</i>	<i>117.48</i>	<b>3LBBS</b>	(1)
(c) Over 25 Miles	<i>378.00</i>	<i>20.00</i>	<i>117.48</i>	<b>3LBBS</b>	(1)
3. (Obsoleted, See B103)					

**Note 1:** Nonrecurring charges are described in B3.3.1.A.

**Note 2:** For method of determining mileage, see B.3.3.3.A.

### B3. CHANNELS

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

##### B3.4.4 Optional Features and Functions<sup>1</sup>

###### 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)	\$ 78.00	\$ 40.92	BQ9	(1)
(b) Four-Wire (Type 2435)	78.00	40.92	BQ9	(1)
b. Data Bridging				
(1) Per Port				
(a) Four-Wire (Types 2463 and 2464)	112.00	44.88	BQ9	(1)
c. (Obsoleted, See B103.)				
d. (Obsoleted, See B103.)				
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	364.00	375.00	XW1	(1)
(b) Additional bridging shelf, capacity of 56 two-wire connections installed subsequent to the first bridging shelf	364.00	340.00	XW2	(1)
(c) Additional bridging shelf, capacity of 56 two-wire connections installed at the same time as the first bridging shelf	137.00	210.00	XW8	(1)
(2) Channel connections, per channel connected				
(a) Remote station channel connection	7.00	33.00	XW3	(1)
(b) Mid-link channel connection, first channel	33.00	46.00	XW4	(1)
(c) Mid-link channel connection, subsequent channels	28.00	46.00	XW5	(1)

**Note 1:** Nonrecurring charges are described in B3.3.1.A.

### B3. CHANNELS

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

##### B3.4.4 Optional Features and Functions<sup>1</sup> (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

	Monthly Rate	Nonrecurring Charge		USOC	
		Initial	Subsequent		
(a) Ringdown-Manual <sup>2</sup>	<i>\$62.00</i>	<b>\$55.44</b>	<b>\$277.20</b>	<b>SL3</b>	(I)
(b) Ringdown-Automatic <sup>2</sup>	<i>58.00</i>	<b>21.12</b>	<b>91.08</b>	<b>SL5</b>	(I)
(c) E & M Type <sup>3</sup>	<i>57.00</i>	<b>60.72</b>	<b>250.80</b>	<b>SLM</b>	(I)
(d) Type A (0-199 ohms) <sup>4</sup>	<i>34.00</i>	<b>58.08</b>	<b>184.80</b>	<b>SAL</b>	(I)
(e) Type B (200-899 ohms) <sup>4</sup>	<i>34.00</i>	<b>56.76</b>	<b>184.80</b>	<b>SAU</b>	(I)
(f) Type C (900 or more ohms) <sup>4</sup>	<i>7.00</i>	<b>14.52</b>	<b>184.80</b>	<b>SAY</b>	(I)

**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 inter-modulation distortion.

Conditioning is charged for on a per Local Channel basis for two-point and multi-point 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.

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

Type Conditioning	Frequency Response Specifications	Envelope Delay Distortion Specification
C1 (two-point or multipoint)	300-2700 Hz, -2dB to +6dB. 1000-2400 Hz, -1dB to +3dB. 300-3000 Hz, -3dB to +12dB.	1000-2400 Hz, less than 1000 microseconds

**Note 1:** Nonrecurring charges are described in B3.3.1.A.

**Note 2:** For use with Type 2230 and 2435 services.

**Note 3:** For use with Type 2432 and 2434 services.

**Note 4:** For use with Type 2231 service.

**B3. CHANNELS**

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

**B3.4.4 Optional Features and Functions<sup>1</sup> (Cont'd)**

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

2. The types and description of the available conditioning options are as follows: (Cont'd)

<b>Type Conditioning</b>	<b>Frequency Response Specifications</b>	<b>Envelope Delay Distortion Specification</b>
C2 (two-point or multipoint)	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> <b>3rd Order Distortion</b>
		35dB below signal level      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.

	<b>Monthly Rate</b>	<b>Nonrecurring Charge</b>		<b>USOC</b>	
		<b>Initial</b>	<b>Subsequent</b>		
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	<i>\$7.00</i>	<b>\$13.20</b>	<b>\$113.52</b>	<b>P2W</b>	(1)
(b) C2-Type	<i>7.00</i>	<b>29.04</b>	<b>125.40</b>	<b>P3W</b>	(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	<i>1.50</i>	<b>21.12</b>	<b>118.80</b>	<b>QHA</b>	(1)

**Note 1:** Nonrecurring charges are described in B3.3.1.A.