

TARIFF DISTRIBUTION

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TYPE OF DISTRIBUTION: Approved

PURPOSE: Increase Business APL Channel MTM Rates

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B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.3 Rate Terms and Conditions (Cont'd)

B103.3.5 Determination Of Mileage (Cont'd)

B. When station locations of a private line service are located in different wire center serving areas, interoffice channel charges apply. Charges are based on the direct airline distance measured between the serving wire centers. To determine Interoffice mileage for purposes of developing rate distance between any two wire centers (intraexchange or interexchange) proceed as follows:

1. Obtain the "V" and "H" coordinates for each wire center, as listed in the National Exchange Carrier Association (NECA) Tariff, FCC #4.
2. through 5. (see B103.1.5.A)
6. Obtain the square root of the result obtained in 5. This fractional number is the rate distance in miles. Round up to the desired quarter, half or whole mile as specified by each service.

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

- C.** 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 B103.4 will apply. The arrangement is limited to channels not more than one airline mile in length.
- D.** 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.
- E.** 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 C., which will connect the wire centers of the service points in the specified sequence.

B103.4 Rates And Charges

B103.4.1 Series 1000¹ – Sub Voice Grade Service

A. Interoffice Channels²

1. Fixed and Mileage Charges applicable

	Fixed Monthly Charge	Monthly Charge Per Mile	Nonrecurring Charge Per Channel	
a. 1 thru 8 Miles	\$12,750.00 (I)	\$1,138.00 (I)	-	USOC 3LBAS
b. 9 thru 25 Miles	12,750.00 (I)	1,138.00 (I)	-	3LBAS
c. Over 25 Miles	12,750.00 (I)	1,138.00 (I)	-	3LBAS

B. Interexchange - Type 1050 and 1051
(Obsoleted Type B)

1. Half Duplex

	Monthly Rate	
a. (DELETED)		USOC
b. Interoffice Channel		
(1) 1st 1/4 mile	\$25.15	1LYD+
(2) Each additional 1/4 mile or fraction thereof	2.30	1L3A+

Note 1: 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.

Note 2: For method of determining mileage, see B3.3.3.A.

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.4 Rates and Charges (Cont'd)

B103.4.3 Series 1200 - Sub Voice Grade Service

A. Intraexchange - Type 1204 and 1205 (Same Continuous Property Different and Same Building Channels)

- 1. Each additional point of termination of a local channel
(Obsoleted 01-01-87, Type B)

	Installation Charge	Monthly Rate	USOC
a. In a different building on the same premises			
(1) Per 1/4 mile or fraction thereof	-	\$4.37	1LM++
(2) Minimum charge	-	8.73	NA
2. (DELETED)			
3. Two-point service (Obsoleted 01-01-87, Type D; available solely at the discretion of the Company for new service, additions, or transfers of service where spare capacity is available in existing cable facilities.)			
a. Different buildings, same premises			
(1) Per 1/4 mile or fraction thereof ^{1,2}	\$25.41	4.37	1LM++
(2) Minimum charge Type 1204 or 1205 ¹	-	8.73	NA
b. Same building			
(1) Type 1204	25.41	8.73	1LM++
(2) Type 1205	25.41	8.73	1LM++
4. Each additional point of termination (Obsoleted 01-01-87, Type B; Guidebook Reference Section B3.)			
a. In the same building for two-point service in B103.2.1.E.2.c or d.			
(1) Type 1204	-	8.73	1LM++
(2) Type 1205	-	8.73	1LM++
5. Local Channels			

	Monthly Rate	Nonrecurring Charge		USOC
		First	Additional	
a. Per point of termination				
(1) Type 1204	\$10,171.00 (I)	\$561.00	\$224.40	P1JAX
(2) Type 1205	6,868.00(I)	422.40	158.40	P1JHX

Note 1: The rates and charges in this Guidebook for channels between buildings on the same premises are applicable only for those facilities in place as of June 5, 1983. On premises cable placed after June 5, 1983 will be provided based on cost.

Note 2: The installation charge is per channel.

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.4 Rates and Charges (Cont'd)

B103.4.4 Series 2000 - Voice Grade Service

A. (DELETED)

- 1. Intraexchange - Same Continuous Property Different and Same Building Channels

		Monthly Rate	USOC
a.	Each additional point of termination of a local channel in a different building on the same premises (Obsoleted 01-01-87, Type B)		
	(1) Charges		
	(a) Per 1/4 mile or fraction thereof	\$3.50	1LM+G
	(b) Minimum Charge	6.98	NA
b.	Each additional point of termination of a local channel (Obsoleted 01-01-87, Type B)		
	(1) In the same building		
	(a) Charge	6.98	2SE++
		Installation Charge	
c.	Two-point service different buildings same premises (Obsoleted 01-01-87, Type D; available solely at the discretion of the Company for new service, additions, or transfers of service where spare capacity is available in existing cable facilities.)		
	(1) Per 1/4 mile or fraction thereof		
	(a) Half Duplex ^{1,2}	\$66.40	3.50
	(b) Duplex ^{1,2}	66.40	3.50
	(c) Minimum Charge	-	6.98
d.	Two-point service (Obsoleted 01-01-87, Type D; available solely at the discretion of the Company for new service, additions, or transfers of service where spare capacity is available in existing cable facilities.)		
	(1) Same building		
	(a) Half Duplex	66.40	6.98
	(b) Duplex	66.40	6.98
e.	Each additional point of termination (Obsoleted 01-01-87, Type B, Guidebook Reference Section B3.)		
	(1) In the same building for two-point service in B103.2.2.B.1.c. or d		
	(a) (DELETED)		
	(b) Duplex	-	3.50

B. Local Channels

		Monthly Rate	Nonrecurring Charge		USOC
			First	Additional	
1.	Voice Grade, Per point of termination				
a.	Voice				
	(1) Type 2230	\$20,742.00 (I)	\$409.20	\$151.00	P2JUX
	(2) Type 2231	20,742.00 (I)	310.00	115.00	P2JHX
	(3) Type 2432	31,149.00 (I)	360.00	150.00	P2JQX
	(4) Type 2434	6,444.00 (I)	140.00	74.00	P2JGX
	(5) Type 2435	31,149.00 (I)	435.60	171.60	P2JWX
	(6) Type 2261	24,126.00 (I)	666.60	303.60	P2JLX
	(7) Type 2462	28,728.00 (I)	660.00	297.00	P2JRX
b.	Data				
	(1) Type 2463	32,901.00 (I)	495.00	211.20	P2JMX
	(2) Type 2464	32,901.00 (I)	495.00	211.20	P2JNX

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.4 Rates and Charges (Cont'd)

B103.4.4 Series 2000 - Voice Grade Service (Cont'd)

C. Interoffice Channels¹

1. Types 2463 and 2464

	Month to Month	Nonrecurring Charge	USOC
(a) Fixed	\$11,238.00 (I)	\$92.00	3LBMF
(b) Each mile or fraction thereof	679.00 (I)	-	3LBMA
2. Types 2230, 2231, 2432, 2434, 2435, 2261 and 2462			
(a) Fixed	29,958.00 (I)	92.00	3LBBS
(b) Each mile or fraction thereof	2,242.00 (I)	-	3LBSS

D. Optional Features And Functions

1. 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.

	Month to Month	Nonrecurring Charge	USOC
a. Voice Bridging			
(1) Per Port			
(a) Two-Wire (Type 2230)	\$7,890.00 (I)	\$39.60	BQ9
(b) Four-Wire (Type 2435)	10,311.00 (I)	39.60	BQ9
b. Data Bridging			
(1) Per Port			
(a) Four-Wire (Types 2463 and 2464)	14,892.00 (I)	42.24	BQ9
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	29,760.00 (I)	370.00	XW1
(b) Additional bridging shelf, capacity of 56 two-wire connections installed subsequent to the first bridging shelf	29,760.00 (I)	335.00	XW2
(c) Additional bridging shelf, capacity of 56 two-wire connections installed at the same time as the first bridging shelf	15,058.00 (I)	205.00	XW8
(2) Channel connections, per channel connected			
(a) Remote station channel connection	1,162.00 (I)	31.00	XW3
(b) Mid-link channel connection, first channel	2,952.00 (I)	41.00	XW4
(c) Mid-link channel connection, subsequent channels	2,952.00 (I)	41.00	XW5

2. 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.

a. Per local channel

	Monthly Rate	Nonrecurring Charge		USOC
		Initial	Subsequent	
(1) Ringdown-Manual	\$4,798.00 (I)	\$50.16	\$ 244.20	SL3
(2) Ringdown-Automatic	4,396.00 (I)	18.48	72.60	SL5
(3) E & M Type	4,396.00 (I)	58.08	224.40	SLM
(4) Type A (0-199 ohms)	2,592.00 (I)	54.12	151.80	SAL
(5) Type B (200-899 ohms)	2,592.00 (I)	48.84	151.80	SAU
(6) Type C (900 or more ohms)	1,162.00 (I)	15.84	151.80	SAY

Note 1: For method of determining mileage, see B103.3.

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.4 Rates and Charges (Cont'd)

B103.4.4 Series 2000 - Voice Grade Service (Cont'd)

D. Optional Features And Functions (Cont'd)

3. Conditioning (Voice Grade Services)

a. 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.

b. The types and description of the available conditioning options are as follow:

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. 300-3000 Hz, -3dB to +12dB.	1000-2400 Hz, less than 1000 microseconds
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
	C-Notched Noise	Non-Linear Distortion
D1 (two-point)	Noise level 28dB below signal level	2nd Order Distortion 35dB below signal level 3rd Order Distortion 40dB below signal level

c. 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	
d. C-Type Conditioning				
C-Type Conditioning is available for Types 2463 and 2464.				
(1) C-Types of Conditioning per local channel				
(a) C1-Type	\$1,162.00 (I)	\$13.20	\$88.44	P2W
(b) C2-Type	1,162.00 (I)	27.72	100.32	P3W
e. D-Type Conditioning				
D-Type Conditioning is available for Types 2463 and 2464.				
(1) D-Type Conditioning per local channel				
(a) D1-Type	1,162.00 (I)	21.12	93.72	QHA

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.4 Rates and Charges (Cont'd)

B103.4.5 Series 6000 - Wired Music Service (Cont'd)

	Monthly Rate	Nonrecurring Charge		USOC
		First	Additional	
A. Local Channels				
Per point of termination				
1. Type 6211	\$ 12,501.00 (I)	\$620.40	\$264.00	P6JAX
2. Type 6212	15,607.00 (I)	719.40	349.80	P6JBX
3. Type 6213	17,541.00 (I)	732.60	369.60	P6JCX
4. Type 6215	12,223.00 (I)	620.40	264.00	P6JEX
5. Type 6216	15,607.00 (I)	719.40	349.80	P6JNX
6. Type 6217	17,541.00 (I)	732.60	369.60	P6JGX

B. Interoffice Channels²

Fixed and Mileage Charges applicable

	Fixed Monthly Charge	Monthly Charge Per Mile	Nonrecurring Charge Per Channel	USOC
1. Wired Music - Series 6000 3.0 kHz, Types 6211 and 6215				
1 thru 8 Miles	\$17,302.00 (I)	\$591.00 (I)	\$75.00	3LBBS
9 thru 25 Miles	17,302.00 (I)	591.00 (I)	75.00	3LBBS
Over 25 Miles	17,302.00 (I)	591.00 (I)	75.00	3LBBS
2. Wired Music - Series 6000 5 kHz, Types 6212 and 6216				
1 thru 8 Miles	17,932.00 (I)	1,162.00 (I)	67.00	3LBDS
9 thru 25 Miles	17,932.00 (I)	1,162.00 (I)	67.00	3LBDS
Over 25 Miles	17,932.00 (I)	1,162.00 (I)	67.00	3LBDS
3. Wired Music - Series 6000 8 kHz, Types 6213 and 6217				
1 thru 8 Miles	24,157.00 (I)	1,962.00 (I)	67.00	3LBES
9 thru 25 Miles	24,157.00 (I)	1,962.00 (I)	67.00	3LBES
Over 25 Miles	24,157.00 (I)	1,962.00 (I)	67.00	3LBES

C. Optional Features And Functions

1. 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.

	Month to Month	Nonrecurring Charge	USOC
Wired Music Bridges (Series 6000)			
Distribution Amplifiers			
a. Per Port			
(1) Each	\$2.64	\$33.00	6LE

Note 1: Rates and Charges in paragraphs B103.4.5.E were obsoleted on December 1, 2020.

Note 2: For method of determining mileage, see B103.3.