

TARIFF DISTRIBUTION

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<u>TARIFF SECTION</u>	<u>PAGE NUMBER</u>	<u>PAGE REVISION</u>
H002	13	0001
H003	2	0001
H003	3	0002
H003	3.2	0002
H003	4	0002
H003	8	0016
H003	10	0014
H004	4	0001
H004	5	0001
H004	6	0001
H004	7	0001
H006	1	0001
H007	15	0001
H103	1.5.1	0001
H103	1.5.2	0001
H103	1.5.3	0001
H106	1	0001
H106 Cont. (pg)	1	0001
H6 Cont. (pg)	1	0001
H Book Cont (pg)	1	0003

B2. REGULATIONS

B2.5 Definitions (Cont'd)

CUSTOM NETWORK SERVICE

The term "Custom Network Service" refers to the provisioning of custom-designed networks composed of various Private Line Services. The rates and regulations for such networks, or arrangements, are found in Section B8. (T)

CUSTOMER

The term "Customer" denotes the person, firm or corporation which orders service and is responsible for the payment of charges and compliance with Company regulations.

DATA ACCESS ARRANGEMENT

The term "Data Access Arrangement" denotes a protective connecting arrangement for use with the network control signaling unit, or, in lieu of the connection arrangement, an arrangement to identify a central office line and protective facilities and procedures to determine compliance with criteria set forth in B2.6.2. (T)

(DELETED)

(D)

DATA SWITCHING

The term "Data Switching" as used in connection with composite data service denotes the switching of data (non-voice) messages by the interchange, controlling and routing of data messages between two or more stations, via communications facilities, wherein the information content of the message remains unaltered.

B3. CHANNELS

B3.1 Provision of Service (Cont'd)

B3.1.3 Rate Categories (Cont'd)

- A. Following are the basic rate categories which apply to Private Line service. (Cont'd)
 - 4. Optional Features and Functions (Cont'd)
 - b. Provides for such things as signaling, conditioning, transfer arrangements, protection switching, etc.

B3.1.4 Service Configurations

- A. There are two types of service configurations which can be provided. These are described as follows:
 - 1. Two-Point Service

A two-point service connects two customer premises either directly through a serving wire center(s) or through a Company hub where additional functions are performed.
 - 2. Multipoint Service
 - a. Multipoint service connects three or more customer premises through a Company hub.
 - b. There is no limitation on the number of mid-links available with multipoint service. However, when more than three mid-links are provided in tandem, the quality of the service may be degraded. A mid-link is a channel between hubs (i.e., bridging locations).
 - c. Voice Grade (Series 2000) Multipoint Channel services for data use have a limit of 6 two-wire facility type local channels or 20 four-wire facility type local channels when used with customer-provided station equipment. These units do not apply to Telemetry/Alarm Bridging Service (TABS). (C)
 - d. Only certain types of service are available for multipoint applications. These are so designated in the service descriptions set forth in B3.2 following.

B3.1.5 Special Routing of IntraLATA Channels

- A. The private line services furnished in this *Guidebook* are provided over such routes as the Company may elect. (T)
- B. Special routing is involved where, in order to comply with requirements specified by the customer, the Company furnishes the private line service in a manner which includes one or both of the following conditions:
 - 1. Where two or more private lines must be furnished over different physical routes.
 - 2. Where a private line must be furnished on a route which avoids specified geographical locations.
- C. When special routing of services is furnished a customer, the rates will be determined on an individual case basis.

B3. CHANNELS

B3.2 Service Descriptions (Cont'd)

B3.2.2 Voice Grade Service - Series 2000 (Cont'd)

B. (Cont'd)

Basic Parameters	For Speech Application	For Data Application
C-Notched Noise (with a -13dBm0 1000 Hz Test Signal)	Not Controlled	Noise level 24dB below signal level
Impulse Noise	Not Controlled	15 Counts in 15 minutes at a threshold of 6dB below a -13dBm0 rms 1000 Hz Signal
Phase Jitter	Not Controlled	10 degrees peak to peak
Non-Linear Distortion		
2nd Order Distortion	Not Controlled	25dB below signal level
3rd Order Distortion	Not Controlled	30dB below signal level

C. Transmission parameters for voice grade service are described following:

1. Type 2230 - A two-wire interface with effective two-wire facilities engineered for a 1004 Hz net loss of 0 to 10dB. Generally furnished for voice transmission - Private Line Telephone, Mobile Radio Telephone, or Supervisory Control Use. Multipoint service may be provided at charges specified in B3.4.4.A. following.
2. Type 2231 - A two-wire interface with two or four-wire facilities engineered for a 1004 Hz net loss of 0dB to 4.5dB. This is generally used for PBX (or similar system) main or extension station services. Signaling is required for this service.
3. Type 2432 - A two or four-wire interface with effective four-wire facilities engineered for tie line service use between PBX's or customer-provided communications systems. Signaling is required for this service.
4. Type 2434 - A two or four-wire interface for connection to the serving wire center where loop facilities are not required. This channel is suitable for tie line service (with E&M signaling) between Centrex Type Services Systems and may be connected with Type 2432 local channels.
5. Type 2435 - A four-wire interface with effective four-wire facilities engineered for a 1004 Hz net loss of 0 to 16db. Generally furnished for voice transmission. Multipoint service may be provided at charges specified in B3.4.4.A. following.
6. Type 2260 - A two-wire¹ interface with effective two-wire facilities engineered for a 1004 Hz net loss of 16dB. Generally used in the provision of low speed (1200 baud or less) half duplex data services.
7. Type 2261 - A two-wire interface with effective two-wire facilities engineered for use in Telemetry/Alarm Bridging Service (TABS). (C)
8. Type 2462 - A four-wire interface with effective four-wire facilities engineered for use in Telemetry/Alarm Bridging Service (TABS). (C)

Note 1: Transmission data characteristics can only be met and guaranteed for the two-wire interface when the airline distance from the serving wire center to the customer's premises is one mile or less and the interoffice channel is not greater than 4 airline miles between serving wire centers.

B3. CHANNELS

B3.2 Service Descriptions (Cont'd)

B3.2.2 Voice Grade Service - Series 2000 (Cont'd)

E. (DELETED)

(D)

B3. CHANNELS

B3.2 Service Descriptions (Cont'd)

B3.2.2 Voice Grade Service - Series 2000 (Cont'd)

- E. **(DELETED)** (Cont'd) (D)
- F. Telemetry/Alarm Bridging Service (TABS)
 - 1. Regulations
 - a. This section contains the regulations applicable for Telemetry/Alarm Bridging Service (TABS). (T)
 - b. Except as otherwise specified following, the regulations contained herein are in addition to the regulations found in other sections of this Guidebook.
 - c. TABS requires the use of equipment as specified herein and Type 2261 or 2462 voice grade local channels described in C. preceding.
 - d. Terminal equipment provided by the customer for use with TABS must meet specifications for such customer-provided equipment found in other sections of this Guidebook.
 - e. No more than 128 remote stations may be connected to a master station over an individual Split Band Active Bridge.
 - f. In Split Band Active Bridging arrangements, secondary bridges must be directly connected to the primary bridge via mid-link channels. Secondary bridges cannot be connected through other secondary bridges to allow additional layers of tandeming.
 - g. Secondary bridges, utilized in Split Band, Active Bridging arrangements, reduce the two-wire remote station capacity of the primary bridge. The initial secondary bridge reduces the primary bridge capacity by twelve two-wire remote station connections. Each subsequent secondary bridge reduces the primary bridge capacity by four additional two-wire remote station connections.
 - h. Standard multipoint bridging charges as provided in other sections of this Guidebook are not applicable to TABS.
 - i. Access over four-wire master station channels for Split Band Active Bridging is provided using a Type 2462 local channel.
 - j. Access over remote station channels is provided through a Type 2261 local channel and through the appropriate channel connection as contained in B3.4.4.A.1.e. following. Interconnection of remote stations located outside the serving wire center where the bridge to which they are to be connected is located will require interoffice channels at charges contained in B3.4.3. of this Guidebook.

B3. CHANNELS

B3.4 Rates and Charges

B3.4.1 Local Channels

A. Sub Voice Grade (Obsoleted, See B103.)

		Monthly Rate	Nonrecurring Charge		USOC
			First	Additional	
B.	Voice Grade				
	Per point of termination				
1.	Voice				
	(a) Type 2230	\$262.00	\$496.80	\$165.60	P2JUX
	(b) Type 2231	262.00	496.80	165.60	P2JHX
	(c) Type 2432	393.00	561.60	208.80	P2JQX
	(d) Type 2434	83.00	237.60	119.52	P2JGX
	(e) Type 2435	393.00	532.80	187.20	P2JWX
	(f) Type 2261	305.00	835.20	352.80	P2JLX (T)
	(g) Type 2462	363.00	813.60	338.40	P2JRX (T)
2.	Data				
	(a) Type 2260	305.00	597.60	230.40	P2JKX
	(b) Type 2463	415.00	597.60	230.40	P2JMX
	(c) Type 2464	415.00	590.40	223.20	P2JNX
C.	Wired Music				
1.	Per point of termination				
	(a) Type 6210	153.00	806.40	331.20	P6JJX
	(b) Type 6211	159.00	806.40	331.20	P6JAX
	(c) Type 6212	199.00	928.80	432.00	P6JBX
	(d) Type 6213	222.00	950.40	453.60	P6JCX
	(e) Type 6214	153.00	806.40	331.20	P6JKX
	(f) Type 6215	155.00	806.40	331.20	P6JEX
	(g) Type 6216	199.00	928.80	432.00	P6JNX
	(h) Type 6217	222.00	950.40	453.60	P6JGX

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.

	Nonrecurring Charge	Monthly Rate	USOC	
1. Voice Grade Bridges (Series 2000)				
a. Voice Bridging				
(1) Per Port				
(a) Two-Wire (Type 2230)	\$56.16	\$101.00		BQ9
(b) Four-Wire (Type 2435)	56.16	131.00		BQ9
b. Data Bridging				
(1) Per Port				
(a) Four-Wire (Types 2463 and 2464)	61.92	189.00		BQ9
c. (DELETED)				(D)
d. (DELETED)				(D)
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	365.00	376.00		XW1
(b) Additional bridging shelf, capacity of 56 two-wire connections installed subsequent to the first bridging shelf	330.00	376.00		XW2

B4. EQUIPMENT

B4.3 (DELETED)¹

(T)

Note 1: Telemetry/Alarm Bridging Service (TABS) now appears in Section B3.

B4. EQUIPMENT

B4.3 (DELETED)¹ (Cont'd)

(T)

Note 1: Telemetry/Alarm Bridging Service (TABS) now appears in Section B3.

B4. EQUIPMENT

B4.3 (DELETED)¹ (Cont'd)

(T)

Note 1: Telemetry/Alarm Bridging Service (TABS) now appears in Section B3.

B4. EQUIPMENT

B4.3 (DELETED)¹ (Cont'd)

B4.4 (DELETED)

Note 1: Telemetry/Alarm Bridging Service (TABS) now appears in Section B3.

(T)

B6. (DELETED)

(D)

CONTENTS

B6. (DELETED)

(D)

Pages 2 through 7 are hereby withdrawn and removed in their entirety from this Guidebook.

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B7. DIGITAL NETWORK SERVICE

B7.3 MegaLink Channel Service (Cont'd)

B7.3.1 General (Cont'd)

- F. The total number of voice grade equivalent channels activated by the customer may not exceed the capacity of the basic system. Additionally, there are some necessary restrictions in total system capacities where certain types of channel services are channelized. For example, some channelizing equipment for SynchroNet service may require two voice grade equivalent channels per channel provided by the Company. This would reduce a system's stated capacity substantially. The Company will notify the customer when a system's capacity is affected. (T)
- G. Central Office channelization generally provides analog to digital conversion to permit individual exchange services and private line channel services to be transported over digital high capacity facilities. In addition, this equipment permits connection to required testing facilities at designated hub or node locations for some digital offerings, such as SynchroNet service. This channelization is also intended for use at Company locations where different high capacity digital network links terminate in the same central office and must be converted to individual analog or digital channels before individual service links can be cross-connected. System capacities below are provided in groups of 24 voice grade equivalent channels, and are subject to the limits as set forth in G. preceding.
- H. Channelization on a customer's premises is provided by the customer. Customer Premises channelization equipment, and any other associated network termination equipment, is available through various vendors, including Company, on a detariffed basis. Joint provisioning of channelized services introduces joint responsibilities between the customer and the Company.
1. Responsibilities of the Company:
 - a. The Company will endeavor to activate its portion of joint service in a timely manner on the negotiated date to support installation requirements.
 - b. The Company will provide the customer with information regarding the type and the manufacturer of Central Office (C.O.) channelization equipment to be used in each application.
 - c. The Company will limit its selection of central office equipment to avoid operational and administrative difficulties associated with a multi-vendor central office environment.
 - d. The Company reserves the right to change its equipment vendors should equipment availability, price or technological advantages make such a change attractive or necessary.
 - e. The Company will notify the customer, generally a minimum of six months in advance, of any need to change its central office equipment to allow the customer sufficient time to respond, make any necessary changes, and schedule cooperative testing for cutover if required.
 - f. Digital synchronization timing for MegaLink channel service will be provided by the Company.

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.2 Service Descriptions (Cont'd)

B103.2.2 Series 2000 - Voice Grade Service

- A. Reserved for future use
- B. Reserved for future use
- C. Transmission parameters for voice grade service are described following:
 - 1. Reserved for future use
 - 2. Reserved for future use
 - 3. Reserved for future use
 - 4. Reserved for future use
 - 5. Reserved for future use
 - 6. *Reserved for future use* (C)
 - 7. *Reserved for future use* (C)
 - 8. Reserved for future use
 - 9. Reserved for future use
- D. Reserved for future use
- E. **(DELETED)** (D)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.2 Service Descriptions (Cont'd)

B103.2.2 Voice Grade Service - Series 2000 (Cont'd)

(D)

E. (DELETED) (Cont'd)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.2.2 Voice Grade Service - Series 2000 (Cont'd)

(D)

E. (DELETED) (Cont'd)

B106. (DELETED)

(T)

CONTENTS

B106. (DELETED)

(T)

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(N)

TABLE OF CONTENTS

B1.	APPLICATION OF TARIFF	
B2.	REGULATIONS	
B3.	CHANNELS	
B4.	EQUIPMENT	
B5.	CONSTRUCTION CHARGES	
B6.	(DELETED)	(D)
B7.	DIGITAL NETWORK SERVICE	
B8.	CUSTOM NETWORK SERVICE	
B9.	OPTICAL NETWORK SERVICE	
B100.	OBSOLETE SERVICE OFFERINGS	
B101.	OBSOLETE SERVICE OFFERINGS - APPLICATION OF TARIFF	
B102.	OBSOLETE SERVICE OFFERINGS - REGULATIONS	
B103.	OBSOLETE SERVICE OFFERINGS - CHANNELS	
B104.	OBSOLETE SERVICE OFFERINGS - EQUIPMENT	
B105.	OBSOLETE SERVICE OFFERINGS - CONSTRUCTION CHARGES	
B106.	(DELETED)	(D)
B107.	OBSOLETE SERVICE OFFERINGS - DIGITAL NETWORK SERVICE	
B108.	OBSOLETE SERVICE OFFERINGS - RESERVED FOR FUTURE USE	
B109.	OBSOLETE SERVICE OFFERINGS - OPTICAL NETWORK SERVICE	