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B3. CHANNELS

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B3. CHANNELS

B3.1 Provision Of Service (*Obsoleted, See Section B103*)

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B3. CHANNELS

B3.1 Provision Of Service (Cont'd) (*Obsoleted, See Section B103*)

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B3. CHANNELS

B3.2 Service Descriptions (*Obsoleted, See Section B103*)

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B3. CHANNELS

B3.2 Service Descriptions (Cont'd) (*Obsoleted, See Section B103*)

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B3. CHANNELS

B3.2 Service Descriptions (Cont'd) (*Obsoleted, See Section B103*)

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B3. CHANNELS

B3.2 Service Descriptions (Cont'd) (*Obsoleted, See Section B103*)

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B3. CHANNELS

B3.2 Service Descriptions (Cont'd) (*Obsoleted, See Section B103*)

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B3. CHANNELS

B3.2 Service Descriptions (Cont'd) (*Obsoleted, See Section B103*)

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B3. CHANNELS

B3.2 Service Descriptions (Cont'd) (*Obsoleted, See Section B 103*)

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B3. CHANNELS

B3.3 Application of Rates (*Obsoleted, See Section B103*)

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B3. CHANNELS

B3.3 Application of Rates (Cont'd) (*Obsoleted, See Section B103*)

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B3. CHANNELS

B3.3 Application of Rates (Cont'd) (*Obsoleted, See Section B103*)

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B3. CHANNELS

B3.4 Rates And Charges (Cont'd) (*Obsoleted, See Section B103*)

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B3.4 Rates And Charges (Cont'd) (*Obsoleted, See Section B103*)

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B3.4 Rates And Charges (Cont'd) (*Obsoleted, See Section B103*)

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B3. CHANNELS

B3.4 Rates And Charges (Cont'd) (*Obsoleted, See Section B103*)

(O)

B3. CHANNELS

B3.4 Rates And Charges (Cont'd) (*Obsoleted, See Section B103*)

(O)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

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B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.1 Provision Of Service

Effective June 30, 2021, Channel Services will no longer be available for purchase by new or existing customers, and service agreements may no longer be renewed. In addition, requests to move, add or change existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue these services on or after June 30, 2024. (N)

B103.1.1 General

- A. Channel Services provided under the provisions of this Guidebook are offered for IntraLATA Services only. Services consisting of Local Channels, Interoffice Channels, and Optional Features and Functions are classified by series. The various series are sub-divided into different types and are described in terms of circuit characteristics and use. (T)(O)
- B. Customers may order local channels which are designed to meet specific communications requirements. The customer is responsible for determining that his terminal equipment is compatible with the service provided by the Company. (T)(O)
- C. Where multipoint service is furnished, the local channels are bridged in the wire center. (O)
- D. Dedicated circuits between the customer's interLATA Digital Electronic Tandem Switching (DETS) or Tandem Switching Features (TSF) function and the customer's other location(s) within the same LATA will be provided from this Guidebook. Where this service is provided by the Company as a feature of Digital ESSX service, MultiServ service, MultiServ PLUS service, or BellSouth Centrex service, the transport of traffic between the DETS or TSF function and the basic Digital ESSX service, MultiServ service, MultiServ PLUS service, or BellSouth Centrex service functions may be performed by the Company's network switching facilities. (O)
- E. Channels requiring placement of new cable or wire facilities between two or more points on a customer's continuous property are no longer available effective January 1, 1987 (see B103.2). However, where spare channels are available in existing Company-Owned facilities on a customer's continuous property, such channels may be available for the customer's use at the sole discretion of the Company, subject to the terms, conditions, and charges specified in Section B103. (O)

B103.1.2 Application

The rates and charges specified herein apply for all IntraLATA Private Line services provided by the Company. (O)

- A. Reserved for Future Use
- B. Continuous Property Channels
 - 1. New channels between points on the same customer's continuous property are provided at the sole discretion of the Company and only where spare capacity is available in existing facilities.
 - 2. A Continuous Property Channel consists of one pair (half duplex) or two pairs (full duplex) of metallic conductors with the physical and electrical transmission characteristics inherent to the existing facility. Equipment that is required to improve or alter the transmission characteristics of the channel is the responsibility of the customer and must be connected on the customer's side of the network interface. The customer may not access or alter a Continuous Property Channel in mid-span; nor install any equipment which results in harm to the facility or other channels within the cable or wire facility.
 - 3. Subject to paragraph A, when twenty-five or more half duplex channels are required between the same two points, the Company will consider a bulk provisioning arrangement whereby the subscriber can lease channels in multiples of twenty-five channels. With bulk provisioning arrangements, no subsequent recurring or nonrecurring charges apply as channels are activated by the subscriber. Rates for bulk provisioning arrangements are determined on a Special Arrangement Basis, See Section B5.
 - 4. Continuous Property Channels will be discontinued when associated cable facilities can no longer be economically maintained.

B103.1.3 Rate Categories

- A. Following are the basic rate categories which apply to Private Line service. (T)(O)
 - 1. Local Channels (O)
 - a. A local channel provides for a communications path between the demarcation point at a customer premises and the serving wire center of that premises. One local channel charge applies per channel termination. (O)
 - b. When channels extending between different premises are provided via dedicated cable facilities, a non-wire center connected channel charge applies in lieu of local channel charges. (O)
 - 2. Interoffice Channels (O)

This rate category provides for the transmission facilities between serving wire centers associated with two customer premises, between serving wire centers associated with a customer premises and a Company hub, or between two Company hubs. (O)

Interoffice mileage is portrayed in mileage bands. A flat rate and a rate per mile applies to each band. For method of determining mileage, see paragraph **B103.3.3.A**. (T)(O)

Pages 1.0.1 and 1.1 are hereby deleted in their entirety and removed from this Guidebook.

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.1 Provision Of Service (*Cont'd*)

(T)(O)

B3.1.3 Rate Categories (*Cont'd*)

(T)(O)

A. (*Cont'd*)

(T)(O)

3. Non-Wire Center Connected Channels

(O)

Channels between different premises of the same or different customers may be provided in existing or new cable facilities at the sole discretion of the Company. If new cable construction is required, recurring and nonrecurring charges will be determined via the Special Arrangement process (see Section B5), and will be based upon the total recurring and nonrecurring costs of the entire cable capacity provided.

(O)

See B103.4 for channel charges applicable when existing cable facilities are utilized for non-wire center connected channels.

(O)

4. Optional Features and Functions

(O)

This rate category provides for features and functions which may be added to a service to improve its quality or utility to meet specific communications requirements. These are not necessarily identifiable with specific equipment, but rather represent the end result in terms of the performance characteristics which may be obtained. This category includes a. and b. following:

(O)

a. Hub Functions

(O)

A hub is a Company designated wire center where bridging or multiplexing functions are performed i.e., connecting three or more customer premises in a multipoint arrangement or channelizing analog or digital services requiring a lower capacity or bandwidth.

(O)

b. Provides for such things as signaling, conditioning, transfer arrangements, protection switching, etc.

(O)

B103.1.4 Service Configurations

(T)(O)

A. There are two types of service configurations which can be provided. These are described as follows:

(O)

1. Two-Point Service

(O)

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.

(O)

2. Multipoint Service

(O)

a. Multipoint service connects three or more customer premises through a Company hub.

(O)

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).

(O)

c. Voice Grade (Series 2000) Multipoint Channel services for data use have a limit of six two-wire facility type local channels or 20 four-wire facility type local channels when used with customer-provided station equipment.

(O)

d. Only certain types of service are available for multipoint applications. These are so designated in the service descriptions set forth in **B103.2**.

(T)(O)

B103.1.5 Special Routing Of IntraLATA Channels

(T)(O)

A. The private line services furnished in this Guidebook are provided over such routes as the Company may elect.

(O)

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:

(O)

1. Where two or more private lines must be furnished over different physical routes.

(O)

2. Where a private line must be furnished on a route which avoids specified geographical locations.

(O)

(M)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.2 Service Descriptions

B103.2.1 Sub Voice Grade Service - Series 1000 Channels

A. The following types of sub Voice Grade Services are designed for transmission of low speed data at speeds up to 75 and up to 150 baud within certain technical specifications. These channels are furnished for half duplex and duplex operation for use with two-point or multipoint Private Line Services. The service is not suitable for the transmission of alternating current tones. (Effective 8-11-85, Obsolete Type B.)

These channels are furnished for operation on a two point or multipoint basis subject to the number of point limitations indicated for each type and are provided for use with customer-provided power and signaling equipment. It is expressly declared that metallic facilities are in continually decreasing supply and that the Company does not hold itself in a position to make such facilities available. In addition, if modernization programs dictate the replacement of existing metallic facilities with non-metallic facilities such as fiber optics, the Company will not be required to continue this service over metallic facilities and notification will be made to customers 90 days prior to elimination of the service. In consideration of the decreasing supply of metallic facilities, the Company will convert, at the customer's request, service requiring such facilities to a Voice Grade Service and waive the nonrecurring charges associated with the change. In the event the Company's service date for the requested Voice Grade Service cannot be accommodated within the 90 day period following notification to the customer, elimination of the metallic facilities will be extended to the Company's service date for the Voice Grade Service. This applies to customers where metallic facilities are being replaced with non-metallic facilities, or a customer may elect to make this change at any time prior to a modernization program that would eliminate the availability of metallic facilities. The various types of services furnished within this Series are as follows:

1. Type 1204 - a two-wire interface with two-wire facilities suitable for use with direct current continuity type of equipment. Signaling must be within the criteria as described in Technical Reference, "Transmission Specifications for Private Line Metallic Circuits" and limited to three station locations. This type channel may also be used to furnish auxiliary features (such as lights, hold, signaling, etc.)

- Current applied by CPE - ac & dc components per conductor, not to exceed 0.150 amperes rms
- Magnitude of the peak of the voltage - not to exceed 70.7 volts (50 volts rms) except continuous dc voltage not to exceed 135 volts.

2. Type 1205 - A two-wire interface with two-wire facilities suitable for low speed, uni-directional series-operated signaling. Transmission specifications as described in Technical Reference, "Transmission Specification for Low Speed Signaling System Channels". Service is limited to three serving wire centers and 26 stations.

B. The types of local channel and the transmission characteristics offered for termination at the premises for termination in customer-provided terminal equipment and systems are as follows:

1. Type 1150 (Intraexchange)

A four-wire interface engineered for binary signals at rates up to 75 baud, 20 or 62.5 milliamperes dc neutral signals. The terminal equipment with a transmitted output of no more than 8 percent telegraph distortion local and capable of processing received data signals with up to 35 percent telegraph distortion.

The Company has the option of providing 20 or 62.5 milliamperes and will notify the customer of the current level to be supplied. The Company will supply the line voltage and provide for the current adjustment. The maximum open circuit voltage across the send data leads at the interface will not exceed 270 volts.

2. Type 1151 (Intraexchange)

EIA Standard RS232B type interface engineered for binary signals at rates up to 150 baud and the terminal equipment with a transmitted output of not more than 5 percent telegraph distortion and capable of processing received data signals with up to 40 percent telegraph distortion.

3. Type 1050 (Interexchange)

A four-wire interface engineered for binary signals at rates up to 75 baud, 20 or 62.5 milliamperes dc neutral signals. The terminal equipment with a transmitted output of no more than 8 percent (8%) telegraph distortion local and capable of processing received data signals with up to 35 percent (35%) telegraph distortion.

The Company has the option of providing 20 or 62.5 milliamperes and will notify the customer of the current level to be supplied. The Company will supply the line voltage and provide for the current adjustment. The maximum open circuit voltage across the send data leads at the interface will not exceed 270 volts.

4. Type 1051 (Interexchange)

EIA Standard RS232B type interface engineered for binary signals at rates up to 150 baud and the terminal equipment with a transmitted output of not more than 5 percent (5%) telegraph distortion and capable of processing received data signals with up to 40 percent (40%) telegraph distortion.

Page 3.1 is hereby deleted in its entirety and removed from this Guidebook.

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.2 Service Descriptions (Cont'd)

B103.2.1 Sub Voice Grade Service - Series 1000 Channels (Cont'd)

- C. Parameters and Specifications for Sub Voice Grade Local Channels used with Customer-Provided Station Equipment (CPE) (described in B103.2.1.B.). The following type specifications apply. (M)
1. Basic Parameters With Specification Or Limit (M)
 - a. Channel Signals (M)

Local channels used with CPE - as specified in B103.2.1.B. Note that the specifications of channel signals refer to the requirement of the total service offering and not the individual local channel. (M)
 - b. Channel Distortion (M)

Local channels used with CPE - as specified in B103.2.1.B. Note that the specifications for channel distortion refer to the requirement of the total service offering and not the individual local channel. (M)
 - c. Power Requirement (M)

For up to 75 Baud Type - Where the Company provides transmission equipment at the interface. The customer must provide a source of continuous 117-volt, 60 Hz ac power by means of a non-switched outlet. (M)

For up to 150 Baud - Customer must in all cases provide a source of continuous 117-volt, 60 Hz ac power, non-switched outlet. (M)

The Company will in all cases supply all voltage and current adjustments. (M)

These channels are not suitable for the transmission of alternating current tones. (M)
 - D. Reserved for Future Use (M)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.2 Service Descriptions (Cont'd)

B103.2.2 Voice Grade Service - Series 2000

A. Series 2000 voice grade service provides for voice and/or data communications on a two-point or multipoint basis for service 7 days per week, 24 hours per day, for a minimum period of one month. These channels may also be furnished on a link (partial channel) basis when connected to services such as FlexServ service, LightGate service or MegaLink channel service. Channels which provide tie line service will not be furnished to connect a flat rate system with a message rate system. The transmission characteristics and various types of services furnished within this Series are described in B. and C. (O)

B. Basic parameters and specifications for Series 2000 voice grade service are described for the end to end operation as follows: (O)

Basic Parameters	For Speech Application	For Data Application	
Net Loss	Local Channels used with terminal equipment: Limit as specified in the following Local Channel descriptions. Losses or gains present in CPE have not been included.		(O)
DC Resistance	Local Channel limit as specified in the following Local Channel descriptions. Does not imply or guarantee end to end DC continuity.		(O)
Frequency Error	Plus or Minus 5 Hz	Plus or Minus 5 Hz	(O)
Frequency Response	(Referenced to 1000 Hz Loss)		(O)
300 - 3000 Hz	-3dB to + 12dB	-3dB to +12dB	(O)
500 - 2500 Hz	-2dB to + 8dB	-2dB to + 8dB	(O)
Envelope Delay Distortion			(O)
800 - 2600 Hz	Not Controlled	Less than 1750 Microseconds	(O)
C-Notched Noise (with a -13dBm0 1000 Hz Test Signal)	Not Controlled	Noise level 24dB below signal level	(O)
Impulse Noise	Not Controlled	15 Counts in 15 minutes at a threshold of 6dB below a -13dBm0 rms 1000 Hz Signal	(O)
Phase Jitter	Not Controlled	10 degrees peak to peak	(O)
Non-Linear Distortion			(O)
2nd Order Distortion	Not Controlled	25dB below signal level	(O)
3rd Order Distortion	Not Controlled	30dB below signal level	(O)

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

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. (O)
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) off-premises main or extension station services. Signaling is required for this service. (O)
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. (O)
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 or ESSX-1 Systems and may be connected with Type 2432 local channels. (O)
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. (O)
6. Type 2261 - A two-wire interface with effective two-wire facilities engineered for use in Telemetry/Alarm Bridging Service (TABS). (O)
7. Type 2462 - A four-wire interface with effective four-wire facilities engineered for use in Telemetry/Alarm Bridging Service (TABS). (O)
8. Type 2463 - A four-wire interface with four-wire facilities engineered for a 1004 Hz net loss of 16dB. Generally used in the provision of analog data services. Multipoint service may be provided at charges specified in B3.4.4.A. following. (O)
9. Type 2464 - A two-wire interface with four-wire facilities engineered for a 1004 Hz net loss of 16dB. Generally used in the provision of analog data services. Multipoint service may be provided at charges specified in B3.4.4.A. following. (O)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.2 Service Descriptions (Cont'd)

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

- D. Signaling Arrangements** (O)
1. Off Premises Stations (O)
 - a. For use with PBX (or similar system) off-premises channels for terminal equipment. Signaling arrangements are furnished for grandfathered and registered PBX (or similar) systems in accordance with Part 68 of the FCC Rules and Regulations or for customer-provided communications systems not subject to Part 68 of the FCC Rules and Regulations. (O)
 - Type A - Furnished for use with Class A PBX (or similar) system station ports capable of operation over loops with resistance in the range of 0-199 ohms. (O)
 - Type B - Furnished for use with Class B PBX (or similar) system station ports capable of operations over loops with resistance in the range of 200-899 ohms. (O)
 - Type C - Furnished for use with Class C PBX (or similar) system station ports capable of operation over loops with resistance in the range of 900 ohms or more. (O)
 - b. For connections to registered or grandfathered PBX (or similar) system equipment, the customer must specify the equipment capability for use with Type A, B, or C Signaling Arrangements. (O)
 2. Tie Lines (O)
 - a. E&M signaling is provided for use with tie line channels with E&M signaling interfaces. Signaling Arrangements are furnished for grandfathered and registered PBX's in accordance with Part 68 of the FCC Rules and Regulations or for customer-provided communications systems not subject to Part 68 of the FCC Rules and Regulations. (O)
 - An E&M Signaling Arrangement is required for each tie line termination, operating in a Dial Repeating mode, at a customer's premises with a registered PBX. (O)
 - An E&M Signaling Arrangement is required for each tie line termination at a customer's premises with grandfathered PBX's when the tie line is arranged with an E&M signaling interface. (O)
 - An E&M Signaling Arrangement is not required with Types 2432 and 2434 channels for additions to or for new installations of grandfathered PBX equipment when not arranged with an E&M signaling interface. (O)
 - An E&M Signaling Arrangement is required for each Type 2432 or 2434 channel termination at a customer's premises with a customer-provided communications system not subject to Part 68 of the FCC Rules and Regulations when arranged with an E&M signaling interface. (O)

(M)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.2 Service Descriptions (Cont'd)

(T)(O)

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

(T)(O)

E. Telemetry/Alarm Bridging Service (TABS)

(T)(O)

1. Terms and Conditions

(O)

- a. This Section contains the terms and conditions applicable for Telemetry/Alarm Bridging Service (TABS) (O)
- b. Except as otherwise specified following, the terms and conditions contained herein are in addition to the terms and conditions found in other sections of this Guidebook. (O)
- c. TABS requires the use of equipment as specified in paragraph **B103.2.2.E** and Type 2261 or 2462 voice grade local channels described in paragraph **B103.2.2.C**. (T)(O)
- 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. (O)
- e. No more than 128 remote stations may be connected to a master station over an individual Split Band Active Bridge. (O)
- 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. At the customer's option external bridging may be provided for connecting secondary bridges at the rate applicable in paragraph **B103.4.4.A.1.a** without reducing the two-wire capacity of the primary bridge. (T)(O)
- h. Standard multipoint bridging charges as provided in other sections of this Guidebook are not applicable to TABS, except as provided in paragraph g. (O)
- i. Access over four-wire master station channels for Split Band Active Bridging is provided using a Type 2462 local channel. (O)
- j. Access over remote station channels is provided through a Type 2261 local channel and through the appropriate channel connection as contained in paragraph **B103.4.4.A.1.e**. 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 **B103.4.3**. (T)(O)
- k. Access over each four-wire mid-link channel for Split Band Active Bridging is through voice grade interoffice channels at charges contained in **B103.4.3**. Additionally, mid-link channel connections are required as described in paragraph **B103.4.4.A.1.e**. (T)(O)

2. Service Description

(O)

- a. Telemetry/Alarm Bridging Service is a multi-station, voice frequency, private line service designed to provide connections between a master station and a number of remote stations simultaneously. Direct transmission between remote stations is not intended. This service is intended for application in multipoint, voice frequency, data or tone signaling arrangements with transmission at rates up to 400 baud. (O)
- b. TABS is provided in the following arrangement: (O)
 - Split Band, Active Bridging - A bridging arrangement providing for a four-wire (master station or mid-link channel) frequency split common port and multiple two-wire (remote station) ports intended for application in multipoint, voice frequency, data or tone signaling arrangements. Two-way (polling) communication between the master station and each remote station is intended. (O)

(M)

Page 4.3 is hereby deleted in its entirety and removed from this Guidebook.

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.2 Service Descriptions (Cont'd)

B103.2.3 Wired Music Service - Series 6000

(Obsoleted 12-1-2020, Type D; not available for new installations, moves or transfers. The Company intends to discontinue this service on or after 12-1-2021.)

A. Series 6000 private line service provides for one-way audio transmission for use in connection with loudspeaker and sound recording equipment. Channels are furnished for operation on a two-point or multipoint basis for service 7 days per week, 24 hours per day, for a minimum period of one month. These channels are arranged for use with customer-provided station equipment only.

B. Channels for audio and wired music are furnished only directly to the customer originating the program material. The Company does not allocate charges between, nor collect charges from the patrons of the customer. The customer is responsible for the payment of all charges for channels furnished to him by the Company.

C. Audio Channels

1. Audio private line channels are specially equipped channels provided for the closed circuit (non-broadcast) transmission of voice and music signals in one direction only for operation on a two-point basis.

Any of the following arrangements may be provided as a two-point audio private line service:

- a. Two local channels in the same wire center area connected together at the serving central office.
- b. Two local channels not in the same wire center area connected by an interoffice channel.
- c. One local channel feeding a music distribution amplifier when the music source is in the same wire center area as the distribution amplifier.
- d. One local channel and an interoffice channel feeding a music distribution amplifier when the music source is not in the same wire center area as the distribution amplifier.
- e. One interoffice channel connecting music distribution amplifiers in different wire center areas.

2. The various types of services furnished as audio channels are described as follows:

- a. Type 6211 - A two-wire interface with effective two-wire facilities engineered for a 1000 Hz maximum loss of 12dB without equalization.
- b. Type 6212 - A two-wire interface engineered for a 1000 Hz maximum loss of 12dB and equalized to + or - 1dB of the 1000 Hz loss from 100 to 5000 Hz.
- c. Type 6213 - A two-wire interface engineered for a 1000 Hz maximum loss of 12dB and equalized to + or - 1dB of the 1000 Hz loss from 50 Hz to 8000 Hz.

D. Wired Music Multipoint Distribution Channels

1. Wired music multipoint distribution private line channels are specially equipped channels provided for the closed circuit (non-broadcast) transmission of voice and music signals in one direction only for operation on a multipoint basis.

2. A wired music multipoint distribution service consists of one or more distribution amplifiers feeding multiple wired music local channels within a wire center area. Local channels and interoffice channels required to connect the music source to the wired music multipoint distribution system or to connect distribution amplifiers in separate wire centers are provided as two-point audio channels.

- a. Distribution amplifiers provided by the Company are required to receive signals from a source provided by the customer and to transmit the appropriate signal level to the multiple wired music local channels which the amplifiers may feed. Distribution amplifiers are provided at the serving wire center.
- b. Wired music local channels are furnished within a wire center area between the premises of the patrons of the wired music service and the distribution amplifier located in the serving wire center.

3. The various types of services furnished as wired music channels are described as follows:

- a. Type 6215 - A two-wire interface with effective two-wire facilities engineered for a 1000 Hz maximum loss of 14dB without equalization.
- b. Type 6216 - A two-wire interface engineered for a 1000 Hz maximum loss of 14dB and equalized to + or - 4dB of the 1000 Hz loss from 100 to 5000 Hz.
- c. Type 6217 - A two-wire interface engineered for a 1000 Hz maximum loss of 14dB and equalized to + or - 4dB of the 1000 Hz loss from 50 Hz to 8000 Hz.

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.3 Application of Rates

B103.3.1 Reserved for Future Use (M)

- A. Reserved for Future Use (M)
- B. Reserved for Future Use (M)

B103.3.2 Reserved for Future Use (M)

B103.3.3 Mileage Measurements (M)

- A. Reserved for Future Use (M)
- B. Reserved for Future Use (M)
- C. Reserved for Future Use (M)
- D. For Series 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. (M)

B103.3.4 Methods of Applying Rates (M)

- A. Additional point of termination of a Local Channel in Different Buildings on the Same Premises (M)
(Obsoleted 01/01/87, Type B; Guidebook Reference B3.) (M)
 - 1. A charge, as provided in paragraph B103.3.4.A.2 for extending a Local Channel and terminating the channel at a station location in a different building on the same premises shall apply in lieu of an additional Local Channel Charge when conditions and facilities permit; otherwise the local channel charge applies. (M)
 - 2. When additional points of termination of a single private line service are located in different buildings on the same premises, the charge for the channel shall be based on the airline distance between each pair of buildings. The rates are specified in B103.4. (M)
- B. Additional Point of Termination of a Local Channel in the Same Building (M)
(Obsoleted 01/01/87, Type B; Guidebook Reference B3.) (M)
A charge as provided in B103.4 for extending a Local Channel and terminating the channel at a station location in the same building applies in lieu of an additional local channel charge. (M)
- C. Same Building Channel (M)
(Obsoleted 01/01/87, Type D; available solely at the discretion of the Company for new service, additions, or transfer of service where spare capacity is available in existing cable facilities.) (M)
When all station locations of a private line service are in the same building, the charge for same building channel specified in B103.4 applies. (M)
- D. Channels Between Buildings on the Same Premises (M)
(Obsoleted 01/01/87, Type D; available solely at the discretion of the Company for new service, additions, or transfer of service where spare capacity is available in existing cable facilities.) (M)
When station locations of a private line service are located in different buildings on the same premises the charge for the channel shall be based on the airline distance between each pair of buildings when conditions and facilities permit. The charges are as specified in B103.4. (M)
Where a supporting structure is necessary for the purpose of furnishing these channels on the subscriber's premises, such supporting structure will be furnished by the subscriber as provided for in "Construction on Private Property" in Section A5 of the General Exchange Guidebook. (M)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.3 Application of Rates (Cont'd)

(DELETED)

(D)

B103.3.5 Types Of Rates And Charges

(T)(O)

A. The two types of rates and charges are monthly rates and nonrecurring charges and are described as follows:

(O)

1. Monthly Rates

(O)

a. Monthly rates are recurring charges that apply each month or fraction thereof that a service is provided. For billing purposes, each month is considered to have 30 days.

(O)

b. (DELETED)

(O)

c. (DELETED)

(O)

d. Rates applicable to a month-to-month payment option are subject to Company initiated changes.

(O)

2. Nonrecurring Charges

(O)

Nonrecurring Charges are one-time charges that apply for a specific work activity. The three types of nonrecurring charges that apply are installation of service, installation of features and functions and service rearrangements.

(O)

a. Installation of Service

(O)

Nonrecurring charges apply for each service terminated at the customer's premises. For the installation of local channels when more than one of the same type of service, between the same locations, for the same customer is ordered and installed at the same time, one at each location is billed at the First Service Installed rate and the others are billed at the Additional Service Installed rate.

(O)

The nonrecurring charges for the Installation of Services are set forth in **B103.4** as Nonrecurring Charges for the Local Channel and Interoffice Channel rate elements.

(T)(O)

Rates and charges for Network Interface Equipment are set forth in Section A14 of the General Exchange Guidebook.

(O)

b. Nonrecurring charges apply for the installation of features and functions available with the various services. For some features and functions there is a lower charge if installed coincident with the service and a higher charge if installed subsequent to the service.

(O)

c. Service Rearrangements

(O)

(1) Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements or a change in the physical location of the point of termination at a customer premises. Changes which result in the establishment of new minimum period obligations are treated as disconnects and starts. Changes in the physical location of the point of termination are treated as moves and are described and charged for as set forth in **B103.3.2**.

(T)(O)

The charge to the customer for the service rearrangement is dependent on whether the change is administrative only in nature or involves actual physical change to the service.

(O)

Administrative changes will be made without charge(s) to the customer. Such changes require the continued provision and billing of the Private Line Service to the same entity (i.e., customer remains responsible for all outstanding indebtedness for the service). Administrative changes are as follows:

(O)

- Change of customer name (i.e., the customer of record does not change but rather the customer of record changes name),

(O)

- Change of customer's premises address when the change of address is not a result of a physical relocation of equipment.

(O)

- Change in billing data (name, address or contact name or number).

(O)

- Change of jurisdiction, e.g., intraLATA to intrastate, intrastate to interstate, etc. No Termination Liability Charges apply for services billed under the Channel Services Payment Plan (CSPP) if the customer subscribes to a payment arrangement offered in the appropriate guidebook which is a minimum twenty-four-month service period or equals/exceeds the remaining contract period, whichever is greater.

(O)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.3 Application of Rates (Cont'd)

(DELETED)

B103.3.5 Types Of Rates And Charges (Cont'd)

A. (Cont'd)

2. Nonrecurring Charges (Cont'd)

c. Service Rearrangements

(2) All other service rearrangements will be charged for as follows: (Cont'd)

- If the change involves the addition of other customer designated premises to an existing multipoint service, the nonrecurring charge for the local channel rate element(s) being added will apply. Nonrecurring charges for interoffice channel mileage may also apply. (O)
- If the change involves the addition of other customer designated premises to an existing two-point service, resulting in a multipoint circuit configuration, the nonrecurring charge for the local channel rate element(s) being added will apply. Nonrecurring charges for interoffice channel mileage may also apply. (O)
- If the change involves the disconnection of a customer designated premises from an existing multipoint circuit resulting in a two-point circuit configuration, no charges will apply. (O)
- If the change involves the addition of an optional feature or function which has a separate nonrecurring charge, that nonrecurring charge will apply. (O)
- If the change involves changing the type of signaling on a voice grade service the subsequent, nonrecurring charge will apply for the new type signaling. The charge will apply per service termination affected. (O)
- For rearrangements and all other activities involving physical changes to the service provided or the addition of optional features without separate nonrecurring charges, a charge equal to a local channel rate element nonrecurring charge will apply. Only one such charge will apply per service order, per change. (O)
- For a change of customer of record, where no specific transfer of service charge is stated, and for all other activities involving no physical changes, the following charges will apply: 1) if the request is for multiple circuits of the same type, a charge equal to one "First" Local Channel nonrecurring charge applies, 2) if the request is for only one circuit, a charge equal to one "Additional" Local Channel nonrecurring charge applies, 3) if the request is for multiple circuits of different types, charges will be applicable for each type of circuit according to the same guidelines in 1) and 2). (O)

B103.3.6 Moves

A. A move involves a change in the physical location of one of the following:

1. The point of interface at the customer premises. (O)
2. The customer's premises. (O)

B. The charges for the move are dependent on whether the move is to a new location within the same building or to a different building. (O)

1. Moves Within the Same Building (O)

When the move is to a new location within the same building, the charge for the move will be an amount equal to one-half the nonrecurring (i.e., installation) charge for the affected service termination at the customer's premises. There will be no change in the minimum period requirements. If a move is made at the same time a service rearrangement is made, the total charge will never exceed a full nonrecurring charge for the basic service. (O)

2. To a Different Building (O)

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established at the new location. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service. (O)

B103.3.7 Mileage Measurements

A. 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. Mileage is determined in accordance with the following: (O)

1. Obtain the "V" and "H" coordinates for each wire center, as listed in the National Exchange Carrier Association Tariff F.C.C. No. 4. (O)
2. Obtain the difference between the "V" coordinates of the two wire centers. Obtain the difference between the "H" coordinates. The difference is always obtained by subtracting the smaller coordinate from the larger coordinate. (O)
3. Square each difference obtained in paragraph 2. (O)
4. Add the squares of the "V" difference and the "H" difference obtained in 3. preceding. (O)
5. Divide the sum of the squares obtained in paragraph 4, by 10. (O)

Page 6.1 is hereby deleted in its entirety and removed from this Guidebook.

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.3 Application of Rates (Cont'd)

(DELETED)

B103.3.7 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.

	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. 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 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.

B103.3.8 Series 7000 Channels¹

A. General

- 1. Special Terms and Conditions Regarding Provision of Service
 - a. Series 7001, 7003 and 7004 channels presently in service are to continue under the terms and conditions of the service publication existing immediately prior to October 1, 1972, until the development of a new guidebook offering becomes effective, at which time the existing service would be converted to the new guidebook offering.
 - b. Series 7001, 7003 and 7004 channels are not offered for new installations or for additions to the existing system from October 1, 1972, until a new guidebook offering becomes effective.
 - c. New Systems or additions to the existing System will be provided in accordance with B5.1.H until a new guidebook offering becomes effective, at which time said systems or additions to existing systems will be converted to the new guidebook offering.

B. Types and Descriptions

The channels for which the terms, conditions and rates in this Section apply are those furnished for the transmission in one direction only of video signals only and those furnished for television transmission of both video and audio signals. The channels are suitable for the transmission of the following monochrome signals and, where this Guidebook specifies that such channels may be used for color transmission, are suitable for transmission of the following color signals. When channels are used for color transmission, additional charges to the extent specified herein, apply.

525 Line Monochrome

For monochrome broadcasting or viewing involving 525 scanning lines per frame, interlaced two to one in successive fields, with a frame frequency of 30, a field frequency of 60, and a line frequency of 15,750 per second.

525 Line Color

For color broadcasting or viewing involving 525 scanning lines per frame, interlaced two to one in successive fields, with a frame frequency of 30, a field frequency of 60, and a line frequency of 15,750 per second and utilizing a subcarrier of a nominal 3.58 mc frequency.

1. Channel Systems

Type 7003

Local Distribution System television channels for use in educational television systems for the transmission of monochrome and color video signals and associated audio material of a single program at one time. These channels are furnished between premises of the customer, authorized users, and any combination thereof in systems of 1 to 6 channels as set forth in paragraph B103.3.8.C.1.b, and are furnished only for transmission of educational television program material by public or private schools, non-commercial educational television broadcast stations and other non-commercial educational organizations. Special operation and supervision are not provided. Systems are furnished on a 24 hour per day, 7 days per week basis for a minimum period of one month.

Note 1: Subject to Special Terms and Conditions in paragraph B103.3.8.A.

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.4 Rates and Charges (Cont'd)

B103.4.2 Reserved for Future Use

B103.4.3 Interoffice Channels¹

	Fixed Monthly Charge	Monthly Charge Per Mile	Nonrecurring Charge Per Channel	USOC
A. Fixed and Mileage Charges				
1. Reserved for Future Use				
2. Reserved for Future Use				
3. Wired Music - Series 6000 3.0 kHz Types 6211 and 6215				
(a) 1 thru 8 Miles	\$1,158.00	\$40.00	\$83.60	3LBCS
(b) 9 thru 25 Miles	1,158.00	40.00	83.60	3LBCS
(c) Over 25 Miles	1,158.00	40.00	83.60	3LBCS
4. Wired Music - Series 6000 5 kHz Types 6212 and 6216				
(a) 1 thru 8 Miles	1,200.00	79.00	73.70	3LBDS
(b) 9 thru 25 Miles	1,200.00	79.00	73.70	3LBDS
(c) Over 25 Miles	1,200.00	79.00	73.70	3LBDS
5. Wired Music - Series 6000 8 kHz Types 6213 and 6217				
(a) 1 thru 8 Miles	1,617.00	132.00	73.70	3LBES
(b) 9 thru 25 Miles	1,617.00	132.00	73.70	3LBES
(c) Over 25 Miles	1,617.00	132.00	73.70	3LBES

B103.4.4 Optional Features and Functions

A. Bridging

	Monthly Rate	Nonrecurring Charge	USOC
1. Reserved For Future Use			
2. Wired Music Bridges (Series 6000)			
a. Distribution Amplifiers			
(1) Per Port			
(a) Each	\$2.20	\$28.60	6LE

(M)

Note 1: For method of determining mileage, see **B103.3.7.A.**

(T)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.4 Rates And Charges (Cont'd)

(T)(O)

B103.4.5 Local Channels

(T)(O)

	Monthly Rate	Nonrecurring Charge		USOC	
		First	Additional		
A. Sub Voice Grade					(O)
1. Per point of termination					(O)
(a) Type 1204	\$505.00	\$337.00	\$224.40	P1JAX	(O)
(b) Type 1205	460.00	460.00	137.50	P1JHX	(O)
B. Voice Grade, Per point of termination					(O)
1. Voice					(O)
(a) Type 2230	1,389.00	382.80	151.80	P2JUX	(O)
(b) Type 2231	1,389.00	382.80	151.80	P2JHX	(O)
(c) Type 2432	2,085.00	402.00	174.00	P2JQX	(O)
(d) Type 2434	432.00	148.50	85.80	P2JGX	(O)
(e) Type 2435	2,085.00	341.00	143.00	P2JWX	(O)
(f) Type 2261	1,615.00	420.00	276.00	P2JLX	(O)
(g) Type 2462	1,923.00	517.00	247.50	P2JRX	(O)
2. Data					(O)
(a) Type 2463	2,202.00	462.00	204.60	P2JMX	(O)
(b) Type 2464	2,202.00	462.00	204.60	P2JNX	(O)

B103.4.6 Interoffice Channels¹

(T)(O)

	Fixed Monthly Charge	Monthly Charge Per Mile	Nonrecurring Charge Per Channel	USOC	
A. Fixed and Mileage Charges					(O)
1. Sub Voice Grade - Series 1000 ²					(O)
(a) 1 thru 8 Miles	\$633.00	\$57.00	-	3LBAS	(O)
(b) 9 thru 25 Miles	633.00	57.00	-	3LBAS	(O)
(c) Over 25 Miles	633.00	57.00	-	3LBAS	(O)
2. Voice Grade Service - Series 2000					(O)
(a) 1 thru 8 Miles	2,005.00	151.00	\$122.75	3LBBS	(O)
(b) 9 thru 25 Miles	2,005.00	151.00	122.75	3LBBS	(O)
(c) Over 25 Miles	2,005.00	151.00	122.75	3LBBS	(O)

Note 1: For method of determining mileage, see *B103.3.7.A*. (T)(O)

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. (O)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.4 Rates And Charges (Cont'd)

(T)(O)

B103.4.7 Optional Features And Functions

(T)(O)

A. Bridging

(O)

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.

(O)

1. Voice Grade Bridges (Series 2000)

(O)

	Monthly Rate	Nonrecurring Charge	USOC	
a. Voice Bridging				(O)
(1) Per Port				(O)
(a) Two-Wire (Type 2230)	\$529.00	\$40.90	BQ9	(O)
(b) Four-Wire (Type 2435)	690.00	37.50	BQ9	(O)
b. Data Bridging				(O)
(1) Per Port				(O)
(a) Four-Wire (Types 2463 and 2464)	997.00	41.15	BQ9	(O)
c. (DELETED)				(O)
d. (DELETED)				(O)
e. Telemetry and Alarm Bridging - Split Band, Active Bridging				(O)
(1) Common Equipment, per central office				(O)
(a) First bridging shelf, capacity of 48 two-wire connections	1,992.00	365.00	XW1	(O)
(b) Additional bridging shelf, capacity of 56 two-wire connections installed subsequent to the first bridging shelf	1,992.00	325.00	XW2	(O)
(c) Additional bridging shelf, capacity of 56 two-wire connections installed at the same time as the first bridging shelf	1,008.00	205.00	XW8	(O)
(2) Channel connections, per channel connected				(O)
(a) Remote station channel connection	79.00	33.00	XW3	(O)
(b) Mid-link channel connection, first channel	198.00	41.00	XW4	(O)
(c) Mid-link channel connection, subsequent channels	198.00	41.00	XW5	(O)

B. Signaling Arrangements

(O)

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.

(O)

1. Per local channel

(O)

	Monthly Rate	Nonrecurring Charge		USOC	
		Initial	Subsequent		
(a) Ringdown-Manual	\$322.00	\$41.80	\$187.00	SL3	(O)
(b) Ringdown-Automatic	295.00	17.60	59.40	SL5	(O)
(c) E & M Type	295.00	48.00	192.00	SLM	(O)
(d) Type A (0-199 ohms)	174.00	46.80	132.00	SAL	(O)
(e) Type B (200-899 ohms)	174.00	46.20	145.20	SAU	(O)
(f) Type C (900 or more ohms)	79.00	15.85	145.20	SAY	(O)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.4 Rates And Charges (Cont'd)

(T)(O)

B103.4.7 Optional Features And Functions (Cont'd)

(T)(O)

C. Conditioning (Voice Grade Services)

(O)

- 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.

(O)

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.

(O)

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

(O)

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

(O)

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
------------------------------	--	---

(O)

C-Notched Noise

Type Conditioning	Frequency Response Specification	Non-Linear Distortion 2nd Order Distortion	3rd Order Distortion
D1 (two-point)	Noise level 28dB below signal level	35dB below signal level	40dB below signal level

(O)

- 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.

(O)

	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	\$11.00	\$68.20	P2W
(b) C2-Type	79.00	23.10	78.10	P3W
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	17.60	72.60	QHA

(O)

(O)

(O)

(O)

(O)

(O)

(O)

(O)

(O)

B103.5 Non-Wire Center

(M)

(Obsoleted – Type B: Not available for new installations, additions or on transfers of service to new locations.)

(M)

A. Served Direct

(M)

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

(M)

	Monthly Rate	Nonrecurring Charge		USOC
		First	Additional	
(a) Series 1000	\$ 11.00	\$ 440.00	\$ 187.00	SDD1X
(b) Series 2000	20.00	528.00	224.40	SDD2X

(M)

(M)

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SUBJECT INDEX

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