
B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

CONTENTS

B103.1	General	1	
B103.2	Description Of Services And Rates - Intraexchange	1	
B103.2.1	Series 1000 - Sub Voice Grade Service	1	
B103.2.2	Series 2000 - Voice Grade Service	6.0.1	
B103.2.3	Series 2100 - Voice Grade Service	6.0.3	
B103.2.4	Circuit Rental	6.1	
B103.3	Description Of Services And Rates - Interexchange	6.2	
B103.3.1	Series 1000 - Sub Voice Grade Service	6.2	
B103.3.2	Series 2000 - Voice Grade Service	9	
B103.3.3	Reserved For Future Use	9	
B103.3.4	Reserved For Future Use	9	
B103.3.5	Reserved For Future Use	10	
B103.3.6	Reserved For Future Use	10	
B103.3.7	Reserved For Future Use	10	
B103.3.8	(DELETED)	10	
B103.4	Reserved For Future Use	16	
B103.5	Reserved For Future Use	16	
B103.6	Reserved For Future Use	16	
B103.7	Reserved For Future Use	16	
B103.8	Reserved For Future Use	16	
B103.9	Description of Service and Rates - Alternate Use Arrangements	16	
B103.10	Description of Service and Rates - Customer Operating Center Service (COCS)	16	
B103.11	Provision Of Service	24	(N)
B103.11.1	General	24	(N)
B103.11.2	Application	24	(N)
B103.11.3	Rate Categories	24	(N)
B103.11.4	Service Configurations	25	(N)
B103.11.5	Special Routing Of IntraLATA Channels	25	(N)
B103.12	Service Descriptions	25	(N)
B103.12.1	Sub Voice Grade Services - Series 1000 Channels	25	(N)
B103.12.2	Voice Grade Service - Series 2000	26	(N)
B103.13	Rate Terms and Conditions	30	(N)
B103.13.1	Types Of Rates And Charges	30	(N)
B103.13.2	Moves	31	(N)
B103.13.3	Mileage Measurements	31	(N)
B103.14	Rates And Charges	32	(N)
B103.14.1	Local Channels	32	(N)
B103.14.2	Reserved For Future Use	32	(N)
B103.14.3	Interoffice Channels	32	(N)
B103.14.4	Optional Features And Functions	33	(N)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.1 General

A. Methods Of Applying Rates

1. Additional point of termination of a Local Channel in Different Buildings on the Same Premises
 - a. A charge, as provided in B103.1.1.A.1.b. following, 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.
 - b. 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. following.
 - c. These channels are provided only for use between Company-provided equipment. See B2.1.4.A.2. for the **term and condition** governing channels between Customer-provided equipment. (T)
2. Additional Point of Termination of a Local Channel in the Same Building

A charge as provided in B103. following 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.

These channels are provided only for use between Company-provided equipment. See B2.1.4.A.2. for the **term and condition** governing channels between Customer-provided equipment. (T)
3. Same Building

When all station locations of a private line service are in the same building, the charge for same building channel specified in B103. following apply.

These channels are provided only for use between Company-provided equipment. See B2.1.4.A.2. for the **term and condition** governing channels between Customer-provided equipment. (T)
4. Channels Between Buildings on the Same Premises

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. following.

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**. (T)

These channels are provided only for use between Company-provided equipment. See B2.1.4.A.2. for the **term and condition** governing channels between Customer-provided equipment. (T)

B. Circuit Rental

(Obsoleted 06-03-91, Type B)

For the exchanges of Briarwood, Dekalb, Duffee, Lynville and Obadiah only (previously Hughes Telephone Company operating territory), see B103.2.3. (T)

B103.2 Description Of Services And Rates - Intraexchange

B103.2.1 Series 1000 - Sub Voice Grade Service

- A. 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 multi-point Private Line Services. The service is not suitable for the transmission of alternating current tones. Effective 8-12-85, Obsoleted Type B.

EFFECTIVE: July 1, 2006

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.2 Description Of Services And Rates - Intraexchange (Cont'd)

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

B. (DELETED)

(D)

C. Parameters and Specifications for Sub Voice Grade Local Channels used with Customer Provided Station Equipment (CPE) is discussed in *B3.2.1*. The following type specifications apply.

(T)

1. Basic Parameters With Specification Or Limit

a. Channel Signals

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.

b. Channel Distortion

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.

c. Power Requirement

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 nonswitched outlet.

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

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

These channels are not suitable for the transmission of alternating current tones.

EFFECTIVE: July 1, 2006

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS**B103.2 Description Of Services And Rates - Intraexchange (Cont'd)****B103.2.1 Series 1000 - Sub Voice Grade Service (Cont'd)****D. Rates And Charges**

(T)

1. (DELETED)

(D)

EFFECTIVE: July 1, 2006

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS**B103.2 Description Of Services And Rates - Intraexchange (Cont'd)****B103.2.1 Series 1000 - Sub Voice Grade Service (Cont'd)****D. Rates And Charges (Cont'd)**

(T)

(M)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.2 Description Of Services And Rates - Intraexchange (Cont'd)

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

D. Rates And Charges (Cont'd)

2. Same Continuous Property Different And Same Building Channels - Types 1101 (1204) and 1102 (1205)

a. Each additional point of termination of a local channel

(Obsoleted 01-01-87; Type B)

(1) In a different building on the same premises

		Monthly Rate	USOC
(a)	Per 1/10 mile or fraction thereof	\$1.29	1LM++
(b)	Minimum charge	4.15	NA

Installation Charge	Monthly Rate	USOC
------------------------	-----------------	------

b. (DELETED)

(D)

c. Two point service different buildings

(Obsoleted 01-01-87, Type D; not available for new installations, moves or transfers. Existing customers may add channels only to the extent that they are available)

(1) Same premises

(a)	Per 1/10 mile or fraction thereof ¹	20.83	1.29	1LM++
(b)	Minimum charge	-	4.15	NA

d. Two point service

(Obsoleted 01-01-87, Type D; not available for new installations, moves or transfers. Existing customers may add channels only to the extent that they are available)

(1) Same building

(a)	Type 1101 (1204)	20.83	1.29	1LM++
(b)	Type 1102 (1205)	20.83	1.29	1LM++

e. Each additional point of termination

(Obsoleted 01-01-87; Type B)

(1) In the same building for two point service in B103.2.1.E.2.c. and d.

(a)	Type 1101 (1204)	-	1.29	1LM++
(b)	Type 1102 (1205)	-	1.29	1LM++

Note 1: Installation Charge is per channel.

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.2 Description Of Services And Rates - Intraexchange (Cont'd)

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

E. Rates And Charges (Cont'd)

3. Local Area Data Channels (Type 1180 and Type 1182)

(Obsoleted 06-03-91, Type B)

In consideration of the decreasing supply of metallic facilities required to provide Local Area Data Channels, the Company will convert a customer's service requiring such facilities to a Voice Grade Service or SynchroNet service and waive the nonrecurring charges associated with the change. 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.

Local Area Data Channels are intended for baseband transmission of digital data signals between two points of the same premises or between two different premises within the same serving wire center area, not to exceed six (6) cable route miles.

- a. Provision of these channels is subject to the availability of facilities and does not envision construction of facilities expressly for this service.
- b. Transmission specifications for local area data channels are dependent upon the route length of the facilities utilized to provide the service as follows:

Maximum End-To-End Facility Length In Route Mile	Maximum Insertion Loss At 1000 Hz, In dB ¹
1	9.0
2	13.5
3	17.0
4	20.0
5	23.0
6	25.5

- c. Type 1180 is provided as a 2-wire interface with effective 2-wire facilities.
- d. Type 1182 is provided as a 4-wire interface with effective 4-wire facilities.
- e. Rates - Intraexchange

(1) Local Channel, Each

	Installation Charge	Monthly Rate	USOC
(a) Type 1180	\$51.62	\$17.47	1L6GJ
(b) Type 1182	51.62	34.78	1L6GJ
f. Same Continuous Property Different And Same Building Channels (Obsoleted 01-01-87, Type B)			
Types 1180, 1182			
(1) Two point service different buildings same premises			
(a) Per 1/10 mile or fraction thereof ²	20.83	1.29	1L6GQ
(b) Minimum charge	-	4.15	NA

Note 1: Insertion loss is referenced to 135 ohm resistive terminations at each end.

Note 2: Installation Charge is per channel.

(T)

(T)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS				
B103.2 Description Of Services And Rates - Intraexchange (Cont'd)				
B103.2.1 Series 1000 - Sub Voice Grade Service (Cont'd)				
E. Rates And Charges (Cont'd)				
3. Local Area Data Channels (Type 1180 and Type 1182) (Cont'd)				
f. (Cont'd)				
(2) Two point service				
		Installation	Monthly	USOC
		Charge	Rate	
		\$20.83	\$1.29	1L6GB
(a) Same building				

(M)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.2 Description Of Services And Rates - Intraexchange (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 Description Of Services And Rates - Intraexchange (Cont'd)

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

E. (DELETED) (Cont'd)

(D)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.2 Description Of Services And Rates - Intraexchange (Cont'd)

B103.2.3 Series 2100 - Voice Grade Service

A. Same Continuous Property Different And Same Building Channels

Type 2100

1. Each additional point of termination of a local channel in a different building on the same premises, per 1/4 mile or fraction thereof
(Obsoleted 01-01-87, Type B)

Monthly Rate	USOC
\$5.26	1LM+G

(a) Half Duplex

(DELETED)

(D)

A Minimum Charge of 2/4 miles applies

2. Each additional point of termination of a local channel, in the same building
(Obsoleted 01-01-87, Type B)

(a) Half Duplex

(DELETED)

2.08	SVGSQ
-------------	--------------

(D)

3. Two-point service different buildings same premises, per 1/4 mile or fraction thereof¹
(Obsoleted 01-01-87, Type D; not available for new installations, moves or transfers. Existing customers may add channels only to the extent that they are available)

Installation Charge	Monthly Rate	USOC
\$54.09	\$5.26	1LMFY
54.09	10.53	1LMEY

(a) Half Duplex²

(b) Duplex²

A Minimum Charge of 2/4 miles applies

Note 1: The Installation Charge is per channel.

Note 2: The rates and charges for channels between buildings on the same premises are applicable only for those facilities in place as of January 1, 1984. On premises cable placed after January 1, 1984, will be provided based on cost.

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.2 Description Of Services And Rates - Intraexchange (Cont'd)

B103.2.3 Series 2100 - Voice Grade Service (Cont'd)

A. Same Continuous Property Different And Same Building Channels (Cont'd)

4. Two-point service, same building

(Obsoleted 01-01-87, Type D; not available for new installations, moves or transfers. Existing customers may add channels only to the extent that they are available)

	Installation Charge	Monthly Rate	USOC
(a) Half Duplex	\$54.09	\$4.26	1LM+B
(b) Duplex	54.09	8.44	1L6+B

5. Each additional point of termination, in the same building for two-point service in B103.2.2.E.1.A.3. and 4. preceding (Obsoleted 01-01-87, Type B)

	Monthly Rate	USOC
(a) Half Duplex (DELETED)	\$2.08	1LM+A

(D)

B. Non Wire Center Connected Channels

(Obsoleted 06-03-91, Type D; not available for new installations. Existing customers may add channels to facilities in place as of April 1, 1984.)

1. Two-point service different building different premises, Per Channel

	Installation Charge	Monthly Rate	USOC
(a) Half Duplex, each 1/4 mile ¹	\$54.09	\$5.26	1LM+Z
(b) Minimum Charge - Half duplex, each 1/4 mile	-	20.88	NA
(c) (DELETED)			
(d) Minimum Charge - Full duplex, each 1/4 mile	-	41.72	NA

(D)

B103.2.4 Circuit Rental

(Obsoleted 06-03-91, Type B)

A. The following terms, conditions and rates apply for Circuit Rental service subscribed to by customers prior to April 1, 1990 in the exchanges of Briarwood, Dekalb, Duffee, Lynville and Obadiah (previously Hughes Telephone Company operating territory). Circuit Rental service is not available for new installations, additions, service rearrangements or transfer of service to new locations.

1. Circuit Loop Rental - Miscellaneous, including Private Line Voice, Foreign Exchange (FX), Teletype, Data, Metering, Control Channels and Alarms.
2. Circuit Loop Rental is a two-wire line or cable pair provided by the Company from the customer's premises to a different location, (police station, customer's residence, etc.) within the exchange rate area of the Company exchange over which the customer operates his own equipment.

Note 1: The Installation Charge is per channel.

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.2 Description Of Services And Rates - Intraexchange (Cont'd)

B103.2.4 Circuit Rental (Cont'd)

(T)

A. (Cont'd)

3. The customer is required to furnish and maintain circuit closing devices and associated wiring necessary for operation of his equipment.
4. The customer shall indemnify and hold harmless and thereby release the Company from any and all legal or other expenses, claims, costs, losses, suits or judgements for damages or injuries to or destruction of property arising in any way directly or indirectly, by reason of any use by the customer of the facilities provided by the Company and shall sign a release thereto.
5. The total mileage is the sum of the direct airline mileage from the originating point to each serving point, with fractional 1/4 miles rated as full 1/4 miles.
6. Charges per cable pair, airline mileage

	Monthly	
	Rate	USOC
(a) First 1/4 mile	\$8.64	1LC1G
(b) Each additional 1/4 mile	2.59	1LC2G

B103.3 Description Of Services And Rates - Interexchange

B103.3.1 Series 1000 - Sub Voice Grade Service

- A. Sub Voice Grade Services, as described in B103.3.1.B., B103.3.1.C., and B103.3.1.D., 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 multi-point Private Line Services. The service is not suitable for transmission of alternating current tones. Effective 8-12-85, Obsolete Type B.

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

(N)

B103.3 Description Of Services And Rates - Interexchange (Cont'd)**B103.3.1 Series 1000 - Sub Voice Grade Service (Cont'd)**

- B.** The types of local channels and the transmission characteristics offered for termination at a premises for termination in customer-provided terminal equipment and systems are as follows.
1. Type 1050
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 1051
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.
- C.** Parameters and Specifications for Sub Voice Grade Local Channels used with Customer Provided Station Equipment (CPE) is discussed in B103.3.1.B. The following type specifications apply.
1. Basic Parameters With Specification Or Limit
 - a. Channel Signals
Local Channels used with CPE - as specified in B103.3.1.B. Note that the specifications of channel signals refer to the requirement of the total service offering and not the individual local channel.
 - b. Channel Distortion
Local Channels used with CPE - as specified in B103.3.1.B. Note that the specifications for channel distortion refer to the requirement of the total service offering and not the individual local channel.
 - c. Power Requirement
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 nonswitched outlet.
For up to 150 baud - customer must in all cases provide a source of continuous 117 volt, 60 Hz ac power, nonswitched outlet.
The Company will in all cases supply all voltage and current adjustments.
These channels are not suitable for the transmission of alternating current tones.
- D.** Multi-point
Multi-point service is furnished subject to the condition that standard signaling and transmission may not be obtained. Special equipment and arrangements in addition to the equipment and arrangements normally provided for two-point service will be provided when feasible to meet the customer's requirements based on the charges specified in B3.7.

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS			
B103.3 Description Of Services And Rates - Interexchange (Cont'd)			
B103.3.1 Series 1000 - Sub Voice Grade Service (Cont'd)			
E. Rates And Charges			
1. Interexchange - Type 1000 - Special Signalling Service (Obsoleted 8-12-85, Type B)			
a. Half Duplex			
(1) (DELETED)	Monthly Rate	USOC	(D)
(2) Interoffice Channel including the Channel terminal for use with the interexchange channels listed in B103.3.1.E.1.a.(1), per channel.			
(a) 1st 1/4 mile	\$14.91	1L3A+	(D)
(DELETED)			(D)
(DELETED)			(D)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.3 Description Of Services And Rates - Interexchange (Cont'd)

(DELETED) (D)

B103.3.2 Series 2000 - Voice Grade Service

A. Same Continuous Property Different And Same Channels (Obsoleted 01-01-87, Type B)

Type 2100

- 1. Each additional point of termination of a local channel in a different building on the same premises, per 1/4 mile or fraction thereof

(a) Half Duplex

(DELETED) (D)

A Minimum Charge of 2/4 miles applies

- 2. Each additional point of termination of a local channel, in the same building

(a) Half Duplex

(DELETED) (D)

B103.3.3 Reserved For Future Use

B103.3.4 Reserved For Future Use

Monthly Rate	USOC
\$5.26	1LM+G

2.08	SVG++
------	-------

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.3 Description Of Services And Rates - Interexchange (Cont'd)

B103.3.5 Reserved For Future Use

B103.3.6 Reserved For Future Use

B103.3.7 Reserved For Future Use

B103.3.8 (DELETED)

(D)

EFFECTIVE: July 1, 2006

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.3 Description Of Services And Rates - Interexchange (Cont'd)

B103.3.8 (DELETED)

(D)

EFFECTIVE: July 1, 2006

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.3 Description Of Services And Rates - Interexchange (Cont'd)

B103.3.8 (DELETED)

(D)

EFFECTIVE: July 1, 2006

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.3 Description Of Services And Rates - Interexchange (Cont'd)

B103.3.8 (DELETED)

(D)

EFFECTIVE: July 1, 2006

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.3 Description Of Services And Rates - Interexchange (Cont'd)

B103.3.8 (DELETED)

(D)

EFFECTIVE: July 1, 2006

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.3 Description Of Services And Rates - Interexchange (Cont'd)

B103.3.8 (DELETED)

(D)

EFFECTIVE: July 1, 2006

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS**B103.3 Description Of Services And Rates - Interexchange (Cont'd)****B103.3.8 (DELETED)**

(D)

B103.4 Reserved For Future Use**B103.5 Reserved For Future Use****B103.6 Reserved For Future Use****B103.7 Reserved For Future Use****B103.8 Reserved For Future Use****B103.9 Description Of Service And Rates - Alternate Use Arrangements**

(Obsoleted 06-03-91, Type B)

B103.9.1 Reserved For Future Use**B103.9.2 Reserved For Future Use****B103.9.3 Series 2000 Channels - Alternate Voice/FX****A. Alternate Use**

1. Voice private line service used alternately as channel in connection with Foreign Exchange Service. Foreign exchange operation available only between two points on the private line service.

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.9 Description Of Service And Rates - Alternate Use Arrangements (Cont'd)

B103.9.3 Series 2000 Channels - Alternate Voice/FX (Cont'd)

A. Alternate Use (Cont'd)

1. (Cont'd)

a. Channel Type Required

Foreign exchange interexchange and interoffice channel (Type 2045). See General *Exchange Guidebook*, Section

A9. plus the appropriate local channels.

(T)

(DELETED)

(D)

B103.10 Description Of Service And Rates - Customer Operating Center Service (COCS)

(Obsoleted 06-03-91, Type D; customers may continue to activate channels within their existing size of service cable.)

B103.10.1 General

- A. Customer Operating Center Service (COCS) is designed for use by customers who utilize large quantities of local channels of the types specified in K.2.following between their location and the serving wire center.
- B. Customer Operating Center Service is provided to customers at their option. The rates for COCS service are billed directly by the Company to the customer of COCS service.
- C. For the purposes of this *Guidebook*, a Customer Operating Center is defined as a customer location:
 - 1. owned or leased by the customer over which the customer has control and provides security.
 - 2. from which the customer furnishes and administers services to multiple clients in a geographical area. The term "Client" denotes a subscriber to the services offered by the owner or leasee of a Customer Operating Center.
 - 3. at which a system, or a group of systems, owned or leased by the customer whose operation is to receive signals and messages which are recorded, maintained, and supervised by the customer.
 - 4. at which the customer has regularly scheduled observers and operators and/or equipment in attendance at all times whose duties include, upon receipt of a signal or message from a client, to take such action as shall be required under the rules established by the customer for their guidance.
- D. COCS service is provided by using a complement of cable pairs in the size and length specified in K.1.following.
- E. A monthly rate applies for each complement of cable pairs of a specific size and greater than 1/4 mile in length.
- F. The customer will provide in advance a forecast of the complement of cable pairs he wishes to have planned to his use and agrees to payment of the charges for the complement of cable pairs whose airline distance is greater than 1/4 mile whether circuits are activated or not.

(T)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.10 Description Of Service And Rates - Customer Operating Center Service (COCS) (Cont'd)

B103.10.1 General (Cont'd)

- G.** The monthly rate for each complement of cable pairs is based on the airline distance between the customer's operating center and its normal serving wire center. The maximum distance for COCS service is one and a quarter mile.
- H.** In addition to the monthly rate for the complement of cable pairs, a monthly rate applies for each local channel activated within the complement of cable pairs.
- I.** Basic Termination Liability
A basic termination liability will apply for any facility placed new specifically for a customer for which no reuse is foreseen if the initial use is discontinued.
The termination liability period is 5 years.
The amount of the termination liability is equal to the estimated amount for:
1. Cost of the installed facilities provided including costs incurred for rearrangements of existing facilities and/or construction of new facilities as appropriate, less net salvage. Installed cost includes the cost of:
 - a. equipment and materials provided or used,
 - b. engineering, labor and supervision,
 - c. transportation,
 - d. rights of way.
 2. Any other costs associated with the particular situation.
 3. The maximum termination liability defined preceding is reduced by 1/60th for each month of a 5 year period that the complement of cable pairs is in service from the date it is placed in service for a specific customer.
- J.** A service charge applies for a connection move or change of each local channel activated within the complement of cable pairs. The service charges are as specified in L.1.e. following.
- K.** Monthly Rates
1. Per complement of cable pairs
 - a. Distance in 1/4 Mile or Fraction Thereof
 - (1) Service Cable Size - 50 Pairs

	Monthly Rate \$-	USOC 1LZ5A	
(a) 1/4 mile			
(b) (DELETED)			(D)
(c) (DELETED)			(D)
(d) (DELETED)			(D)
(e) (DELETED)			(D)
(2) Service Cable Size - 100 Pairs			
(a) 1/4 mile	-	1LZ1A	
(b) (DELETED)			(D)
(c) (DELETED)			(D)
(d) (DELETED)			(D)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.10 Description Of Service And Rates - Customer Operating Center Service (COCS) (Cont'd)

B103.10.1 General (Cont'd)

K. Monthly Rates (Cont'd)

1. Per complement of cable pairs (Cont'd)
 - a. Distance in 1/4 Mile or Fraction Thereof (Cont'd)

	Monthly Rate	USOC	
(3) Service Cable Size - 200 Pairs			
(a) 1/4 mile	\$-	1LZ2A	
(4) Service Cable Size - 300 Pairs			
(a) 1/4 mile	-	1LZ3A	
(5) Service Cable Size - 400 Pairs			
(a) 1/4 mile	-	1LZ4A	
(DELETED)			(D)
(6) Service Cable Size - 600 Pairs			
(a) 1/4 mile	-	1LZ6A	
(7) (DELETED)			(D)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.10 Description Of Service And Rates - Customer Operating Center Service (COCS) (Cont'd)

B103.10.1 General (Cont'd)

K. Monthly Rates (Cont'd)

1. Per complement of cable pairs (Cont'd)
 - a. Distance in 1/4 Mile or Fraction Thereof (Cont'd)
 - (8) **(DELETED)**

(D)

2. Per Local Channel Activated¹

- a. Local Channel Provided Within A Cable Whose Airline Distance Is 1/4, 1/2, 3/4, 4/4 Or 5/4 Mile

(1) Type Of Local Channel Activated - 1101 (1204)

	Monthly Rate	USOC
(a) 1/4 mile	3.21	1LZ++
(b) 1/2 mile	3.21	1LZ++
(c) 3/4 mile	3.21	1LZ++
(d) 4/4 mile	3.21	1LZ++
(e) 5/4 mile	3.21	1LZ++

Note 1: See General Subscriber Services Guidebook Section A108. for rates for types 2106, 2107 and 2007.

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS**B103.10 Description Of Service And Rates - Customer Operating Center Service (COCS) (Cont'd)****B103.10.1 General (Cont'd)**

- K.** Monthly Rates (Cont'd)
 - 2. Per Local Channel Activated¹ (Cont'd)

Note 1: See General *Exchange Guidebook*, Section A108. for rates for types 2106, 2107 and 2007.

(T)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.10 Description Of Service And Rates - Customer Operating Center Service (COCS) (Cont'd)

B103.10.1 General (Cont'd)

K. Monthly Rates (Cont'd)

2. Per Local Channel Activated¹ (Cont'd)

a. (Cont'd)

(2) Type Of Local Channel Activated - 2172 (2462)²

	Monthly Rate	USOC
(a) 1/4 mile	\$15.56	1LZ++
(b) 1/2 mile	17.79	1LZ++
(c) 3/4 mile	19.04	1LZ++
(d) 4/4 mile	20.70	1LZ++
(e) 5/4 mile	22.35	1LZ++

L. Nonrecurring Charges

1. Service Charge Per Local Channel Activated

The service charge for the connection or change of each local channel activated within a complement of cable pairs is as follows:

- a. The term Service Charge as specified herein is defined as the nonrecurring charge or charges applying to the ordering, installing, rearranging and furnishing of local channels. Service charges are categorized as

- (1) Service Ordering Charge
- (2) Visit Charge
- (3) Channel Connecting Charge

b. Service Ordering Charge

- (1) The Service Ordering Charge applies per customer request for work performed by the Company in connection with the receiving, recording and processing the customer's request for local channels to be installed at the same time.
- (2) The term "per customer request" as specified preceding means all work or service ordered by the customer to be performed or provided at the same time. Only one service ordering charge applies when more than one local channel or types of local channels is ordered at the same time. When two or more types of local channels are ordered on the same customer request the higher charge applies.

c. Visit Charge

A Visit Charge applies for connecting or changing Types 2150 (2463), 2152 (2464), 2153 (2230), 2171 (2261) and 2172 (2462) local channel only. Only one Visit Charge applies when more than one Type Local Channel is ordered to be provided at the same time.

Note 1: See General *Exchange Guidebook*, Section A108. for rates for types 2106, 2107 and 2007. (T)

Note 2: These local channels are provided with a four-wire facility (2 pairs). The total number of all types of local channels that may be activated within a complement of cable pairs is limited by the number of these types of local channels.

EFFECTIVE: July 1, 2006

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS
B103.10 Description Of Service And Rates - Customer Operating Center Service (COCS) (Cont'd)
B103.10.1 General (Cont'd)
L. Nonrecurring Charges (Cont'd)
1. Service Charge Per Local Channel Activated (Cont'd)
d. Channel Connecting Charge

The Channel Connecting Charge covers work associated with activating a local channel in a complement of cable pairs. The charge applies for each channel activated.

e. Schedule of Charges
(1) Service Ordering Charge, per customer request

	Charge	USOC	
(a) Type 1101 (1204) and 1102 (1205) and 1190	\$43.65	NA	(I)
(b) Type 2150 (2463), 2172 (2462) and 2152 (2464)	240.35	NA	(I)
(c) Type 2153 (2230) and 2171 (2261)	164.45	NA	(I)
(d) Type 2090	253.00	NA	(I)

(2) Visit Charge

(a) Type 2150 (2463), 2152 (2464) and 2153 (2230)	17.71	NA	(I)
---	--------------	-----------	-----

(3) Channel Connecting Charge

(a) Type 2150 (2463) and 2152 (2464)	105.00	NA	(I)
(b) Type 2153 (2230)	55.66	NA	(I)
(c) Type 1101 (1204), 1102 (1205) and 1190	20.70	NA	(I)
(d) Type 2090	265.65	NA	(I)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.11 Provision Of Service

Effective June 30, 2021, Channel Services will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew 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.

B103.11.1 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.
- 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.
- C. Where multipoint service is furnished, the local channels are bridged in the wire center.
- D. Dedicated circuits between the customer's interLATA Digital Electronic Tandem Switching (DETS) and Tandem Switching Features (TSF) functions 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 functions 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.

B103.11.2 Application

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

B103.11.3 Rate Categories

- A. Following are the basic rate categories which apply to Private Line service.
 - 1. Local Channels
 - 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.
 - b. When service is provided by non-wire center connected channels, a non-wire center connected channel charge applies in lieu of local channel charges.
 - 2. Interoffice Channels

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.

Interoffice mileage is portrayed in mileage bands. A flat rate and a rate per mile apply to each band. For method of determining mileage, see **B103.13.3.A**.
 - 3. Non-Wire Center Connected Channels

Direct serve cable will be placed by the Company where practicable, for the private line service of a customer, between different buildings on different premises of the customer. This cable will be provided based on cost.

See Section **B103.14** for charges for channels in place as of April 1, 1984.
 - 4. Optional Features and Functions

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:

 - a. Hub Functions

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

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.11 Provision of Service (Cont'd)

(T)(O)

B103.11.4 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 **B103.12** following. (T)(O)

B103.11.5 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)
- C. When special routing of services is furnished a customer, the rates will be determined on an individual case basis. (O)

B103.12 Service Descriptions

(T)(O)

B103.12.1 Sub Voice Grade Services - Series 1000 Channels

(T)(O)

- A. 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. In consideration of the decreasing supply of metallic facilities, the Company will convert a customer's service requiring such facilities to a Voice Grade Service and waive the nonrecurring charges associated with the change. 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: (O)
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.) (O)

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

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.12 Service Descriptions (Cont'd)

(T)(O)

B103.12.2 Voice Grade Service - Series 2000

(T)(O)

- 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 CNM - FlexServ service, LightGate service, and/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. following. (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	
500 - 2500 Hz	-2dB to + 8dB	-2dB to + 8dB	
Envelope Delay Distortion			(O)
800 - 2600 Hz	Not Controlled	Less than 1750 Microseconds	
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)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS**B103.12 Service Descriptions (Cont'd)**

(T)(O)

B103.12.2 Voice Grade Service - Series 2000 (Cont'd)

(T)(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 **B103.14.4.A.** following. (T)(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 Type Services 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 **B103.14.4.A.** following. (T)(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 **B103.14.4.A.** following. (T)(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 **B103.14.4.A.** following. (T)(O)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.12 Service Descriptions (Cont'd)

(T)(O)

B103.12.2 Voice Grade Service - Series 2000 (Cont'd)

(T)(O)

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)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.12 Service Descriptions (Cont'd)

(T)(O)

B103.12.2 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 F. and Type 2261 or 2462 voice grade local channels described in C. preceding. (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. (O)
 - 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 **B103.14.4.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 g. preceding. (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 **B103.14.4.A.1.c.** 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 **B103.14.3.** (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 **B103.14.3.** Additionally, mid-link channel connections are required as described in **B103.14.4.A.1.c.** following. (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)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.13 Rate Terms and Conditions

(T)(O)

B103.13.1 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)

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)

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 **B103.14.** following as Nonrecurring Charges for the Local Channel and Interoffice Channel rate elements.

(T)(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 **B103.13.2.**

(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 or 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 telephone number).

(O)

- (2) All other service rearrangements will be charged for as follows:

(O)

- 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 will apply. The charges will apply only for the location(s) that is being added.

(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 all other changes, including a change of the customer of record involving no 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, per change.

(O)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.13 Rate Terms and Conditions (Cont'd)

(T)(O)

B103.13.2 Moves

(T)(O)

- A.** A move involves a change in the physical location of one of the following: (O)
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)

B103.13.3 Mileage Measurements

(T)(O)

- 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 2. preceding. (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 4. preceding by 10. (O)
 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.) (O)

EXAMPLE: The rate distance is required between City One and City Two. (O)

	V	H	
City One	7260	2083	(O)
City Two	7364	1865	(O)
Difference	104	218	(O)
Squared	10,816 + 47,524	= 58,340	(O)

58,340 divided by 10 = 5834 (O)

Square root of 5834 = 76.38 = 77 Airline miles (O)

- B.** For the purpose of applying multipoint charges, the bridging or hubbing locations are determined by that combination of airline distances connecting the serving wire center which will produce the lowest interoffice mileage charges. Bridging charges apply when three or more channels connect at the same location. (O)
- C.** For Series 1000 and 2000 channels, the customer may specify the sequence in which the service points are to be connected in which case the rate mileage is the shortest airline mileage determined in accordance with B., which will connect the wire centers of the service points in the specified sequence. (O)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.14 Rates And Charges

B103.14.1 Local Channels

A. Sub Voice Grade

		Monthly Rate	Nonrecurring Charge		USOC
			First	Additional	
1.	Per point of termination				
	(a) Type 1204	\$3,349.00 (I)	\$266.40	\$102.24	P1JAX
	(b) Type 1205	3,053.00 (I)	453.60	180.00	P1JHX

B. Voice Grade

Per point of termination

1. Voice

(a)	Type 2230	9,219.00 (I)	432.00	165.60	P2JUX
(b)	Type 2231	9,219.00 (I)	439.20	165.60	P2JHX
(c)	Type 2432	13,844.00 (I)	504.00	216.00	P2JQX
(d)	Type 2434	2,864.00 (I)	201.60	112.32	P2JGX
(e)	Type 2435	13,844.00 (I)	468.00	187.20	P2JWX
(f)	Type 2261	10,723.00 (I)	720.00	338.40	P2JLX
(g)	Type 2462	12,768.00 (I)	712.80	331.20	P2JRX

2. Data

(a)	Type 2463	14,623.00 (I)	525.60	230.40	P2JMX
(b)	Type 2464	14,623.00 (I)	525.60	230.40	P2JNX

B103.14.2 Reserved For Future Use

B103.14.3 Interoffice Channels¹

A. Fixed and Mileage Charges applicable

		Fixed Monthly Charge	Monthly Charge Per Mile	Nonrecurring Charge Per Channel	USOC
1.	Sub Voice Grade - Series 1000 ²				
	(a) 1 thru 8 Miles	\$4,198.00 (I)	\$375.00 (I)	-	3LBAS
	(b) 9 thru 25 Miles	4,198.00 (I)	375.00 (I)	-	3LBAS
	(c) Over 25 Miles	4,198.00 (I)	375.00 (I)	-	3LBAS
2.	Voice Grade Service - Series 2000				
	(a) 1 thru 8 Miles	13,315.00 (I)	997.00 (I)	\$135.36	3LBBS
	(b) 9 thru 25 Miles	13,315.00 (I)	997.00 (I)	135.36	3LBBS
	(c) Over 25 Miles	13,315.00 (I)	997.00 (I)	135.36	3LBBS

Note 1: For method of determining mileage, see B103.13.3.

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.

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.14 Rates And Charges (Cont'd)

B103.14.4 Optional Features And Functions

A. Bridging

Bridging charges are applicable where more than two Local Channels, or one or more Local Channels and more than one Interoffice Channel, or more than one Local Channel and one Interoffice Channel are bridged or hubbed at the same wire center. No additional bridging charges are applicable for Series 1000, Types 1204 and 1205.

1. Voice Grade Bridges (Series 2000)

	Monthly Rate	Nonrecurring Charge	USOC
a. Voice Bridging			
(1) Per Port			
(a) Two-Wire (Type 2230)	\$3,507.00 (I)	\$44.64	BQ9
(b) Four-Wire (Type 2435)	4,583.00 (I)	44.64	BQ9
b. Data Bridging			
(1) Per Port			
(a) Four-Wire (Types 2463 and 2464)	6,619.00 (I)	48.96	BQ9
c. Telemetry and Alarm Bridging - Split Band, Active Bridging			
(1) Common Equipment, per central office			
(a) First bridging shelf, capacity of 48 two-wire connections	13,227.00 (I)	405.00	XW1
(b) Additional bridging shelf, capacity of 56 two-wire connections installed subsequent to the first bridging shelf	13,227.00 (I)	370.00	XW2
(c) Additional bridging shelf, capacity of 56 two-wire connections installed at the same time as the first bridging shelf	6,693.00 (I)	225.00	XW8
(2) Channel connections, per channel connected			
(a) Remote station channel connection	517.00 (I)	33.00	XW3
(b) Mid-link channel connection, first channel	1,312.00 (I)	44.00	XW4
(c) Mid-link channel connection, subsequent channels	1,312.00 (I)	44.00	XW5

B. Signaling Arrangements

Signaling arrangements are provided at the customer's option to arrange channels for suitable signaling. Signaling is required on all off-premises extension channels and tie line channels associated with PBX (or similar) systems.

	Monthly Rate	Nonrecurring Charge		USOC
		Initial	Subsequent	
1. Per local channel				
(a) Ringdown-Manual	\$2,133.00 (I)	\$53.28	\$259.20	SL3
(b) Ringdown-Automatic	1,954.00 (I)	21.60	80.64	SL5
(c) E & M Type	1,954.00 (I)	61.92	244.80	SLM
(d) Type A (0-199 ohms)	1,152.00 (I)	57.60	165.60	SAL
(e) Type B (200-899 ohms)	1,152.00 (I)	51.84	165.60	SAU
(f) Type C (900 or more ohms)	517.00 (I)	17.28	165.60	SAY

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.14 Rates And Charges (Cont'd)

B103.14.4 Optional Features And Functions (Cont'd)

C. Conditioning (Voice Grade Services)

1. Conditioning provides more specific transmission characteristics for data services. There are two types of C-conditioning and one type of D-conditioning, each with different technical specifications. C-Type conditioning controls attenuation distortion and envelope delay distortion. D-Type conditioning controls the signal to C-notched noise ratio and intermodulation distortion.

Conditioning is charged for on a per Local Channel basis for two-point and multipoint service. For two-point services the parameters apply to each service. For multipoint services the parameters apply to any path between any two service points.

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

Type Conditioning	Frequency Response Specification	Envelope Delay Distortion Specification
C1 (two-point or multipoint)	300-2700 Hz, -2dB to +6dB. 1000-2400 Hz, -1dB to +3dB. 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
		2nd Order Distortion 3rd Order Distortion
D1 (two-point)	Noise level 28dB below signal level	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.

	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	\$517.00 (I)	\$14.40	\$93.60	P2W
(b) C2-Type	517.00 (I)	31.68	108.00	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	517.00 (I)	23.04	100.80	QHA