
B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

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B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.1 General

B103.1.1 Terms and Conditions (T)

A. Methods Of Applying Rates

1. Additional Point of Termination of a Local Channel in Different Buildings on the Same Premises

(Obsoleted 12-03-91 Type B).

- a. A charge, as provided in 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 B103.2. and B103.3. following.

2. Additional Point of Termination of a Local Channel in the Same Building

(Obsoleted 12-03-91 Type B)

A charge as provided in B103.2. and B103.3. 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.

3. Same Building

(Obsoleted 12-03-91 Type D; customers may add channels only to the extent that they are available within facilities in place as of the date of this obsolescence) (T)

When all station locations of a private line service are in the same building, the charge for same building channel specified in B103.2. following apply.

4. Channels Between Buildings on the Same Premises

(Obsoleted 12-03-91 Type D; customers may add channels only to the extent that they are available within facilities in place as of the date of this obsolescence) (T)

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 B103.2. 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)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.2 Description Of Services And Rates - Intraexchange

B103.2.1 Series 1000 - Sub Voice Grade Service

- 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 multi-point Private Line Services. The service is not suitable for the transmission of alternating current tones. Effective 8-7-85, Obsoleted Type B.
- 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 1150

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

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 B103.2.
 - 1. Basic Parameters With Specification Or Limit
 - a. Channel Signals

Local Channels used with CPE - as specified in B. preceding. 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 B. preceding. 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.

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. 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 B103.7.

E. Rates and Charges

1. Intraexchange

(Obsoleted 8-7-85 Type B)

a. Half Duplex

	Monthly Rate	USOC
(1) (DELETED)		(D)
(2) Two-point service, same building		
(a) Type 1150	\$4.70	1L3AB
(b) Type 1151	4.70	1L6BB
(DELETED)		(D)

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)

(DELETED)

(D)

	Monthly Rate	USOC
2. Intraexchange Type 1204 and 1205		
a. Each additional point of termination of a local channel (Obsoleted 12-03-91, Type B)		
(1) In the same building		
(a) Type 1204	\$1.60	267++
(b) Type 1205	1.60	267++

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)

2. Intraexchange Type 1204 and 1205 (Cont'd)

b. (DELETED)

(D)

c. (DELETED)

(D)

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

(Obsoleted 12-03-91, 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 on 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 Miles	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

- (a) Type 1182
- (2) Two point service different buildings same premises

(a) Per 1/10 mile or fraction thereof
A minimum charge of 5/10 miles applies.

(3) Two point service

- (a) Same building

Monthly Rate	USOC
\$ 47.10	1L6GJ
1.60	1L6GQ
1.60	1L6GB

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

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

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

B103.2.2 Series 2000 Voice Grade Service

A. Rates and Charges

1. Intraexchange

- a. Each additional point of termination of a local channel in a different building on the same premises

(Obsoleted 12-03-91, Type B; Guidebook Reference B3.)

- (1) Per 1/10 mile or fraction thereof¹

- (a) Half Duplex

A Minimum Charge of 5/10 miles applies.

Monthly Rate	USOC
\$ 1.90	1LMFE

- b. Each additional point of termination of a local channel (Obsoleted 12-03-91, Type B; Guidebook Reference B3.)

- (1) In the same building¹

- (a) Half Duplex

4.70	SVG++
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- c. Two-point service different buildings same premises

(Obsoleted 12-03-91, Type D; customers may add channels only to the extent that they are available within facilities in place as of the date of this obsolescence, *Guidebook* Reference B3.)

- (1) Per 1/10 mile or fraction thereof²

- (a) Half Duplex
(DELETED)

Installation Charge	\$ 41.40
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Monthly Rate	USOC
\$ 1.90	1LPJQ

(D)

- (b) Full Duplex

41.40

3.70	1LMEQ or 1L6DQ
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A Minimum Charge of 5/10 miles applies.

- d. Two-point service

(Obsoleted 12-03-91, Type D; customers may add channels only to the extent that they are available within facilities in place as of the date of this obsolescence, Guidebook Reference B3.)

- (1) Same building

- (a) Half Duplex

41.40

4.10	1L6BB or 1LPJB or 1LMFB
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- (b) Duplex

41.40

8.20	1LMEB or 1L6DB
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(DELETED)

(D)

Note 1: Does not include on-premises bridging equipment. On-premises bridging will be provided at charges based on cost.

Note 2: The Installation charge is per channel.

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)

A. Rates and Charges (Cont'd)

1. Intraexchange (Cont'd)

e. Each additional point of termination

(Obsoleted 12-03-91, Type B)

(T)

(1) In the same building for two-point service in c. or d.¹ preceding.

(a) Half Duplex	<p>Monthly Rate \$ 4.10</p> <p>USOC 1LPJA or 1LMFA or 2SE++</p>
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Note 1: Does not include on-premises bridging equipment. On-premises bridging will be provided at charges based on cost.

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

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

B103.2.3 Non-Wire Center Connected Channels

(Obsoleted 03-07-86, Type D; not available for new installations, moves or transfers. Existing customer locations may add channels only to the extent that they are available)

A. General

1. Non-Wire Center Connected Channels

Where facilities are available and at the discretion of the Company, non-wire center connected channels can be provided between different buildings on different premises by means of a direct cable. Charges for non-wire center connected channels apply in lieu of the charges for the local channels as described in B3.2. These channels will at no time be provided when the cable airline distance between the buildings is more than 2 miles.

B. Rates And Charges

	Installation Charge	Monthly Rate	USOC
1. Intraexchange Series 2000			
(a) Non-wire center connected channels not more than two airline miles in length, each per two point channel, each 1/4 mile or fraction thereof ¹	\$ 41.40	\$ 4.80	1LM+M or 1LPJM

(DELETED)

(D)

Note 1: The Installation Charge is per channel.

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.3 Description Of Service And Rates - Interexchange

B103.3.1 (DELETED)

(D)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

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

B103.3.1 (DELETED) (Cont'd)

(D)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

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

B103.3.1 (DELETED) (Cont'd)

(D)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

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

B103.3.2 (DELETED)

(D)

B103.3.3 Reserved For Future Use

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

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

B103.3.4 Series 7000 Channels¹

A. General

1. Special *Terms and Conditions* Regarding Provision of Service (T)
 - a. Series 7003 and 7004 channels presently in service are to continue under the *terms and conditions* of the *guidebook* existing immediately prior to April 1, 1971, until the development of a new offering, at which time the existing service would be converted to the new offering. (T)
 - b. Series 7003 and 7004 channels are not offered for new installations or for additions to the existing system from April 1, 1971, until the development of a new offering. (T)
 - c. New Systems or additions to the existing System will be provided in accordance with Section B5.1.H. until the development of a new offering, at which time said systems or additions to existing systems will be converted to the new offering. (T)

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 which include the coordinated transmission of both video and audio signals. The channels are suitable for the transmission of the following monochrome signals. (T)

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.

1. Interexchange Channels and Channel Systems
 - a. Interexchange Channels - None in Service
 - b. Channel Systems

Type 7003

Local Distribution System television channels for use in educational television systems for the transmission of monochrome 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 C.1.b. following, 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 A. preceding. (T)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

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

B103.3.4 Series 7000 Channels¹ (Cont'd)

B. Types and Descriptions (Cont'd)

1. Interexchange Channels and Channel Systems (Cont'd)

b. Channel Systems (Cont'd)

Type 7004

Interexchange System television channels for use in educational television systems for the transmission of monochrome 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 5 channels as set forth in C.1.b. following and are furnished only for transmission of educational television program material by public or private schools, non-commercial educational television broadcast stations, other non-commercial educational organizations and for transmission of television program material by other users. Special supervision and operation are not furnished. Systems are furnished on a 24 hour per day, 7 days per week basis, for a minimum period of one month.

C. *Terms and Conditions*

In addition to the *terms and conditions* set forth in Section B2. preceding, the following *terms and conditions* apply to Series 7000 Channels. (T)

1. Provision of Facilities

a. Type 7003

Company facilities for a local distribution system are furnished within an exchange area from a signal source to its receiving locations in one direction of transmission only, and may include facilities to provide service to a receiving location outside the exchange area where the airline distance does not exceed 25 miles from its signal source, and consist of,

1 to 6 channels, between premises and between buildings on the same premises, terminating at receiving locations.

Channel input equipment for 1 to 6 channels for use at a signal source to convert the customer's signal from baseband frequencies to frequencies of approximately 25 to 88 megacycles.

Channel output equipment at receiving locations, to deliver signals at standard VHF broadcast frequencies.

outlet connections for television viewers, with distribution amplifier equipment where required, and associated building wiring. These connections may be furnished by the customer provided the customer furnishes all such connections required within a building.

Station facilities and wiring, other than items specified in E.1.a. following, will be furnished by the customer. The facilities furnished by the customer will include, where required, video cameras, microphones, consoles, monitors and like studio equipment, television viewers, antennas to pick up broadcast television material, and power and space and supporting structures (including on premises conduit) for Company equipment located on the premises of a customer or authorized users, including those for terminals of interexchange systems.

Note 1: Subject to Special *Terms and Conditions* in A. preceding.

(T)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

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

B103.3.4 Series 7000 Channels¹ (Cont'd)

C. Terms and Conditions (Cont'd)

1. Provision of Facilities (Cont'd)

b. Type 7004

An interexchange system consists of 1 to 5 channels furnished between a signal source in one exchange area and a receiving location in another exchange area where the distance between the signal source and its receiving location exceeds 25 airline miles. Channels are furnished in either direction of transmission, but individual channels may be used for transmission in one direction only. Channel inputs and outputs are at baseband frequencies.

Station facilities and wiring, other than items specified in E.1.b. following, will be furnished by the customer. The facilities furnished by the customer will include, where required, video camera, microphones, consoles, monitors and like studio equipment, television viewers, antennas to pick up broadcast television material and power and space, and supporting structures (including on premises conduit) for Company equipment located on the premises of the customer or authorized user, including those for terminals of interexchange systems.

2. Connections With Company Facilities and Facilities of Others

a. Except as provided in b. following, facilities furnished in connection with other services may neither be connected with television transmission channels nor be connected directly or indirectly with video broadcasting equipment at television stations.

b. Type 7003 and Type 7004 Channels

The customer may connect Type 7003 and Type 7004 channels with the following classes of channels provided the connections are made in accordance with (1) through (3) following,

video, audio and television channels furnished by the Company where such channels transmit into educational television systems.

television channels operating on broadcast frequencies

local television distribution systems provided by the customer.

interexchange television systems provided by the customer

(1) Connections are made at the customer's premises.

(2) Connections are made at a location where program material is used for television viewing, for transmission over a local distribution system, or for transmission by a broadcast station and where the customer has in attendance adequate personnel and equipment for testing with the Company.

(3) Connections do not result in any transmission from Type 7003 or Type 7004 channels or via any other channels into Type 7001 or Type 7002 interexchange channels furnished under this Guidebook or under F.C.C. Tariff 260. (C)

Note 1: Subject to Special Terms and Conditions in A. preceding.

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

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

B103.3.4 Series 7000 Channels¹ (Cont'd)

C. *Terms and Conditions* (Cont'd)

(T)

3. Mileage Measurements

a. Type 7003 Channels

Rate mileage is the airline distance between a signal source and its receiving locations measured directly, or via other receiving locations, for two-point or multi-point channels.

The sequence of measurement for channels involving two or more receiving locations is that sequence which will produce the shortest combination of airline mileages, except that where a customer requests that receiving locations be connected in a specific sequence, the measurement will be made in that sequence.

Where a system includes more than one signal source transmitting to common receiving locations, the measurement is made from one of the signal sources to the receiving locations (for this purpose the additional signal sources are considered as receiving locations). Where difference signal sources transmit to different receiving locations, a separate series of measurements is made for each signal source.

Each two-point section of a multi-point channel is considered a separate unit for which mileage is independently measured.

For rate application the channel having the highest total rate mileage is considered the first channel. Succeeding numbered channels will be determined consecutively in order of decreasing rate mileages.

b. Type 7004 Channels

Rate mileage is the airline mileage measured directly between a signal source in one exchange area and its receiving location in another exchange area, except that where the airline mileage between the rate centers of the locations is 40 or more airline miles, rate mileage is measured between the rate centers of the locations.

D. Intrastate-Interstate System Utilizing Type 7003 or Type 7004 Channels

Where one or more, but not all of the channels in a system, are used to transmit intrastate traffic, all channels in the system are numbered for rate application, the channel having the highest total rate mileage is considered the first channel and succeeding numbered channels will be determined consecutively in order of decreasing rate mileages, and charges for the intrastate channels and associated equipment and arrangements used for the intrastate traffic are determined, in accordance with E.1. and 2. following:

Note 1: Subject to *Special Terms and Conditions* in A. preceding.

(T)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

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

B103.3.4 Series 7000 Channels¹ (Cont'd)

E. Rates and Charges

1. (DELETED)
2. (DELETED)

B103.4 Reserved For Future Use

Note 1: Subject to Special *Terms and Conditions* in A. preceding.

(T)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.5 Reserved For Future Use

B103.6 Series 10000 Channels (Entrance Facilities)

(Obsoleted 12-03-91, Type D; not available for new installations, moves or transfers. Existing customers may add channels only to the extent that they are available.)

A. Types and Description

Series 10000 channels are furnished to the customer by the Company for the purpose of extending customer-provided communications systems to a premises of the customer or authorized user, or to Centrex Type Services Switching Equipment serving the premises of the customer or authorized user for use at such premises. Channels are furnished for half-duplex or duplex operation on a two-point basis for service 7 days per week, 24 hours per day, for a minimum period of one month.

Type 10001 - Approximate bandwidth of 300 - 3000 cycles per second. Furnished, to the extent permitted by the normal transmission characteristics of this grade of channel, for types of transmission similar to those set forth for Series 1000 and 2000 channels.

B. Terms and Conditions

In addition to the terms and conditions set forth in B2., the following terms and conditions apply to Series 10000 channels as specified following:

Type 10001 - The customer's or authorized user's premises must be located 25 airline miles or less from the point at which the customer-provided communication channel is connected to the Company entrance facility.

C. Rates - Monthly Service

Type 10001

(Rates for entrance facilities will be based on the costs incurred on a case-by-case basis.)

B103.7 (DELETED)

(D)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.7 (DELETED) (Cont'd)

(D)

B103.8 (DELETED)

(D)

(M)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.9 Description Of Service And Rates - Alternate Use Arrangements

(Obsoleted 12-03-91, Type B; Guidebook Reference B3.)

(M)

B103.9.1 Reserved For Future Use

B103.9.2 Reserved For Future Use

B103.9.3 (DELETED)

(D)

B103.9.4 Series 2000 Channels - Telephotograph And Voice

A. Alternate Use

Telephotograph and Voice not arranged for remote control. Furnished for two-point service only. Half-duplex Telephotograph and voice not arranged for remote control. Furnished for two-point or multi-point.

B. Channel Type Required

Series 2000 interexchange and interoffice channel plus the appropriate local channels.

C. Alternate Use Charges

Channel terminations for alternate use at each station, including a switching key, are furnished at the following charges.

1. Where terminations are in different exchanges

(a) Each termination

Monthly Rate	USOC
\$16.30	NA

2. Where terminations are in same exchange

(a) Each termination

7.90	NA
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B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

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

B103.9.5 Series 2000 Channels - Voice And Data

- A. Voice And Data Alternate Use
- B. Channel Type Required

Series 2000 interexchange and interoffice channel plus the appropriate local channels.

- C. Alternate Use Charges - Terminal Equipment

Terminal equipment is required to condition signals generated by apparatus furnished by the customer to signals suitable for transmission on the channel and to condition signals received from the channel to signals for delivery to apparatus furnished by the customer.

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

B103.10.1 General

(Obsoleted 12-03-91, Type D; customers may continue to activate channels within their existing size of service cable.)

- 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: (T)
 - 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/its 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 length whose airline distance is more than 1/4 mile.
- F. The customer will provide in advance a forecast of the complement of cable pairs he wishes to have planned for his use and agrees to payment of the charges for the complement of cable pairs whose airline distance is more than 1/4 mile whether circuits are activated or not.
- 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 complement of cable pairs.

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)

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	
(a) 1/4 mile	\$ -	1LZ5A	
(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)
(e) (DELETED)			(D)

- (3) Service Cable Size - 200 Pairs

(a) 1/4 mile	-	1LZ2A	
(b) (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	
(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)
(8) (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)

	Monthly Rate	USOC
2. Per Local Channel Activated		
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)		
(a) 1/4 mile	\$3.60	1LZGA
(DELETED)		(D)
(2) (DELETED)		(D)
(3) Type of Local Channel Activated 2106 and 2107		(T)
(a) See General Exchange Guidebook Section A108. for rates.	-	NA
(4) (DELETED)		(D)
(5) (DELETED)		

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 Activated (Cont'd)

a. (Cont'd)

	Monthly Rate	USOC
(6) Type Of Local Channel Activated - 2153 (2230)		
(a) 1/4 mile	\$3.60	1LZLA
(DELETED)		(D)
(7) (DELETED)		(D)
(8) Type Of Local Channel Activated - 2171 (2261)		
(a) 1/4 mile	3.60	1LZLA
(DELETED)		(D)

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 dedicated 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

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)

a. (Cont'd)

(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) and 2153 (2230) local channel only. Only one Visit Charge applies when more than one Type Local Channel is ordered to be provided at the same time.

d. Channel Connecting Charge

The Channel Connecting Charge covers work associated with activating a local channel in a dedicated 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)	\$ 22.20	NA	(1)
(b) Type 2150 (2463) and 2152 (2464)	93.20	NA	(1)
(c) Type 2153 (2230)	66.60	NA	(1)
(2) Visit Charge			
(a) Type 2150 (2463), 2152 (2464) and 2153 (2230)	16.40	NA	(1)
(3) Channel Connecting Charge			
(a) Type 2150 (2463) and 2152 (2464)	104.30	NA	(1)
(b) Type 2153 (2230)	62.60	NA	(1)
(c) Type 1101 (1204) and 1102 (1205)	21.80	NA	(1)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.11 Provision Of Service

(T)(O)

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)

B103.11.1 General

(T)(O)

- 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. (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. (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 Electronic Tandem Switching (ETS), Digital Electronic Tandem Switching (DETS) or 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 ESSX service, Digital ESSX service, MultiServ service, MultiServ PLUS service, or BellSouth Centrex service, the transport of traffic between the ETS, DETS or TSF function and the basic ESSX service, Digital ESSX service, MultiServ service, MultiServ PLUS service, or BellSouth Centrex service functions may be performed by the Company's network switching facilities. (O)

B103.11.2 Application

(T)(O)

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

(O)

B103.11.3 Rate Categories

(T)(O)

- A. Following are the basic rate categories which apply to Private Line service. (O)
 - 1. Local Channels (O)
 - a. A local channel provides for a communications path between a designated customer premises and the serving wire center of that premises. One local channel charge applies per channel termination. (O)
 - 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. (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 B3.3.3.A. (O)
 - 3. Non-Wire Center Connected Channels (O)

This service has been obsoleted and is not available for new installations, moves or transfers as specified in Section B103.2.3. See Section B103.2.3.B for channel charges applicable when existing cable facilities are utilized for non-wire center connected channels. (O)

Direct serve cable will be placed by the Company where practicable, for the private line and/or exchange related private line service of a customer, between different buildings on different premises of the customer. (O)

Direct serve cable is a non-wire center connected metallic facility, that does not contain signaling or conditioning arrangements, with a 1000 Hz net loss of up to 4dB, maximum loop resistance of up to 600 ohms and a maximum cable route length of two (2) miles. (O)

The customer shall be responsible for the installation, operation and maintenance of any customer-provided terminal equipment or communications system, as well as determining and assuring the performance of such equipment on direct serve cable. (O)

The customer shall be responsible for the payment of a Trouble Determination Charge as provided in B2.6.12. for maintenance visits by the Company employee when a service difficulty or trouble report results from customer provided terminal equipment or communications system. (O)

The customer shall be responsible for the payment of maintenance and/or repair cost of direct serve cable when trouble is caused by the customer or customer provided equipment. (O)

Direct serve cable will be provided based on cost. Payment of nonrecurring charges may be required prior to the start of construction of a direct serve facility. (O)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.11 Provision Of Service (Cont'd)

(T)(O)

B103.11.3 Rate Categories (Cont'd)

(T)(O)

A. Following are the basic rate categories which apply to Private Line service. (Cont'd)

(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)

B103.11.4 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. OBSOLETE SERVICE OFFERINGS - CHANNELS

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:

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 (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)

B103.12.2 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 FlexServ service, LightGate service, MegaLink channel service and/or TicketTaker 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)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

B103.12 Service Descriptions (Cont'd)

(T)(O)

B103.12.2 Voice Grade Service - Series 2000

(T)(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)		
300 - 3000 Hz	-3dB to + 12dB	-3dB to +12dB	(O)
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)

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 **B103.11.4.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 **B103.11.4.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 **B103.11.4.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 **B103.11.4.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)

(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)

(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 *E.* and Type 2261 or 2462 voice grade local channels described in *C.* preceding. (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. (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.e.* following. Interconnection of remote stations located outside the serving wire center where the bridge to which they are to be connected is located will require interoffice channels at charges contained in *B103.14.3* following. (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.e.* 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)

(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)

B103. OBSOLETE SERVICE OFFERINGS - CHANNELS

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

(T)(O)

B103.13.1 Types Of Rates And Charges (Cont'd)

(T)(O)

A. (Cont'd)

(O)

2. Nonrecurring Charges (Cont'd)

(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

	Monthly Rate	Nonrecurring Charge		USOC
		First	Additional	
A. Sub Voice Grade				
1. Per point of termination				
(a) Type 1204	\$2,481.00(I)	\$229.90	\$92.00	P1JAX
(b) Type 1205	2,262.00(I)	399.30	163.40	P1JHX
B. Voice Grade				
Per point of termination				
1. Voice				
(a) Type 2230	6,829.00(I)	375.10	145.20	P2JUX
(b) Type 2231	6,829.00(I)	381.20	151.30	P2JHX
(c) Type 2432	10,255.00(I)	441.40	187.60	P2JQX
(d) Type 2434	2,122.00(I)	175.50	100.40	P2JGX
(e) Type 2435	10,255.00(I)	405.40	169.40	P2JWX
(f) Type 2261	7,943.00(I)	441.70	296.50	P2JLX
(g) Type 2462	9,458.00(I)	617.10	290.40	P2JRX
2. Data				
(a) Type 2463	10,832.00(I)	459.80	205.70	P2JMX
(b) Type 2464	10,832.00(I)	453.80	205.70	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				
(a) 1 thru 8 Miles	\$3,110.00(I)	\$278.00(I)	\$ 139.20	3LBAS
(b) 9 thru 25 Miles	3,110.00(I)	278.00(I)	139.20	3LBAS
(c) Over 25 Miles	3,110.00(I)	278.00(I)	139.20	3LBAS
2. Voice Grade Service - Series 2000				
(a) 1 thru 8 Miles	9,863.00(I)	739.00(I)	118.60	3LBBS
(b) 9 thru 25 Miles	9,863.00(I)	739.00(I)	118.60	3LBBS
(c) Over 25 Miles	9,863.00(I)	739.00(I)	118.60	3LBBS

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

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)	\$2,598.00(I)	\$41.10	BQ9
(b) Four-Wire (Type 2435)	3,395.00(I)	41.10	BQ9
b. Data Bridging			
(1) Per Port			
(a) Four-Wire (Types 2463 and 2464)	4,903.00(I)	44.80	BQ9
c. (DELETED)			
d. (DELETED)			
e. Telemetry and Alarm Bridging - Split Band, Active Bridging			
(1) Common Equipment, per central office			
(a) First bridging shelf, capacity of 48 two-wire connections	9,798.00(I)	420.00	XW1
(b) Additional bridging shelf, capacity of 56 two-wire connections installed subsequent to the first bridging shelf	9,798.00(I)	375.00	XW2
(c) Additional bridging shelf, capacity of 56 two-wire connections installed at the same time as the first bridging shelf	4,958.00(I)	230.00	XW8
(2) Channel connections, per channel connected			
(a) Remote station channel connection	383.00(I)	34.00	XW3
(b) Mid-link channel connection, first channel	972.00(I)	45.00	XW4
(c) Mid-link channel connection, subsequent channels	972.00(I)	45.00	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.

1. Per local channel

	Monthly Rate	Nonrecurring Charge		USOC
		Initial	Subsequent	
(a) Ringdown - Manual	\$1,580.00(I)	\$48.40	\$229.90	SL3
(b) Ringdown - Automatic	1,448.00(I)	19.40	70.20	SL5
(c) E & M Type	1,448.00(I)	53.20	211.80	SLM
(d) Type A (0-199 ohms)	854.00(I)	52.00	145.20	SAL
(e) Type B (200-899 ohms)	854.00(I)	46.00	145.20	SAU
(f) Type C (900 or more ohms)	383.00(I)	15.70	145.20	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	
D1 (two-point)	Noise level 28dB below signal level	2nd Order Distortion	3rd Order Distortion
		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.

4. C-Type Conditioning

	Monthly	Nonrecurring Charge		
	Rate	Initial	Subsequent	USOC
a. C-Type Conditioning is available for Types 2463 and 2464.				
(1) C-Types of Conditioning per local channel				
(a) C1-Type	\$383.00(I)	\$12.10	\$82.30	P2W
(b) C2-Type	383.00(I)	27.80	94.40	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	383.00(I)	20.60	88.30	QHA