

C. Series 2000 Channels

C1. Description of Service

Series 2000 Channels are voice grade channels furnished for half-duplex operation, voice or data use, on a two-point or multipoint basis.

C2. Channel Types

Type 2006 - Suitable for connection to Local Exchange Service for Foreign Exchange Service.

Type 2011 - A two-wire interface with effective two-wire facilities: suitable for off-premises extension of an exchange line and suitable for off-premises extension of a Wide Area Telephone Service (WATS) line.

Type 2014 - A two-wire interface with effective two-wire facilities: suitable for branch exchange or similar off-premises main and extension stations used with branch exchange or similar systems capable of operation over loops with resistance up to 1300 ohms.

Type 2021 - A two-wire or four-wire transmission interface with four-wire facilities for tie trunk use to connect two branch exchange or similar systems, two Centrex systems or a Centrex system and a branch exchange or similar system.

Type 2022 - A two-wire interface with effective two-wire facilities: suitable for trunk-to-station tie trunk loop signaling use to connect a trunk of one switching system to a station of another switching system capable of operating over loops with resistance up to 1300 ohms.

Type 2040 - Furnished for voice transmission for terminal equipment which requires that the channel be provided with four-wire facilities.

Type 2120\* - Furnished for voice transmission as a two-wire interface with effective two-wire facilities engineered for a 1000 hertz (Hz) net loss of 10 decibels (db).

\*Not suitable for switching and/or tandem operations to other Channel Services or the telecommunications network.

C3. Signaling Arrangements

Signaling arrangements are furnished for branch exchange or similar equipment in accordance with Part 68 of the Rules and Regulations of the Federal Communications Commission.

For Type 2014 and 2022 Channels

- a. Type A - Furnished for use with Class A branch exchange or similar station ports capable of operation over loops with resistance in the range of 0-199 ohms.
- b. Type B - Furnished for use with Class B branch exchange or similar station ports capable of operation over loops with resistance in the range of 200-899 ohms.
- c. Type C - Furnished for use with Class C branch exchange or similar station ports capable of operation over loops with resistance in the range of 900 ohms or more.

Note: For connections to branch exchange or similar equipment, customers must specify the equipment capability (i.e., Type A, B or C port of the equipment).

For Type 2021 Channels

An E & M signaling arrangement is required for each tie trunk connection at a customer premises with a branch exchange or similar system arranged with an E & M signaling interface.

C4. Rates

The rates set forth contemplate only two-point communication between stations permanently connected to the line.

a. Intraexchange Channels

(1) Application of Rates

Multipoint service arrangements for Series 2000, type 2120, Channels are furnished at no additional charge for up to and including four local channels. Arrangements for more than four local channels are furnished on a special equipment and service arrangements basis.

(2) Between Buildings on Different Premises

(a) Application of Rates

1. Mileage for Type 2006 Channels is measured airline between the central office designated by the Telephone Company to serve a particular customer and the central office from which that customer has requested to be served.
2. Extending an Exchange Service or WATS Line
  - (i) A local channel is required to connect an Exchange Service or WATS line location to its serving wire center.

- (ii) Where the exchange service or WATS line and the location it is extended to are in different wire center serving areas, an interoffice channel and associated channel terminals are required.
  - (iii) Where the channel is furnished to extend an exchange service or WATS line to more than one location, a separate channel is required for connecting each locations serving wire center to the primary service.
- 3. Extending other lines
  - (i) A local channel is required to connect each premises/property where stations are located, except the first appearance of Centrex lines to its serving wire center.
  - (ii) A local channel is required to extend a branch exchange line from its associated branch exchange service location and connect it to the wire center serving that location.
  - (iii) Where the service points are in different wire center serving areas, an interoffice channel and associated channel terminals are required.
  - (iv) A local channel is not required for connecting Series 2000, types 2014, 2020, 2021 or 2022 Channels in switching equipment located in a wire center.
- 4. Where Served Direct Service is not provided, and at the option of the Telephone Company, a channel is provided directly between the customer locations, i.e., does not route through a wire center, the monthly rate is equivalent to one local channel.

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(b)	Local Channels, each	Per Month
	Type 2006, 2011 .....	\$14.00
	Type 2014, 2022 .....	16.00
	Type 2021 .....	28.50
	Type 2040 .....	27.50
	Type 2120 .....	13.00
(c)	Interoffice Channels	
	Mileage, per 1/4 mile or fraction thereof, between the serving wire centers	
	All Types .....	.95
(d)	Channel Terminals, each .....	11.60

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b. Interexchange Channels

(1) Application of Rates

- (a) Within the same local service area, between contiguous exchanges or between an exchange and a contiguous zone of a multizone exchange, rates as specified in C.1. preceding apply.
- (b) For Type 2006 Channels, the mileage specified in b. following is measured airline between the rate centers of the normal and foreign exchanges.
- (c) The mileage rates specified following apply for each section of interexchange channel, i.e., between the rate centers of each pair of service points and a channel terminal charge applies in the exchange at each terminal of each two point section.

(2) Mileage, all types

Per Month

Per mile or fraction thereof ..... \$ 3.50

(3) Channel Terminals

(a) All types, each ..... 33.89

Where the total channel mileage between rate centers does not exceed three miles, the following rates apply for each channel terminals in lieu of preceding:

Channel Length

Up to and including 3 miles..... 20.00

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(4) Station Terminals, each\* Per Month

Types 2011, 2014, 2022 ..... \$26.24

Type 2040 38.50

All other types 34.50

(5) Additional connections

In a different building on different premises in the same exchange rates and charges are as specified in d. preceding

\* Not applicable for Type 2006 Channels

c. Other Service Arrangements

(1) Signaling Arrangements

(a) Arrangements to convert E&M Signaling to DX Signaling, for use with types 2021 Channels, per local channel or station terminals....13.85

(b) Arrangements for types 2014, 2022 Channels

1	Type A.....	10.25
2	Type B.....	6.80
3	Type C.....	.80

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