

Verizon Pennsylvania Inc.

CHANNELS

A. GENERAL

A channel is defined as a transmission path between two points over which a single category of communications service is provided, usually furnished between different premises of the same customer within the same or different exchange areas.

1. CLASSIFICATION OF CHANNELS

a. NUMBERING PLAN

Channels are classified by series, and further classified within each series by types.

b. CATEGORIES OF CHANNELS

- (1) The Telephone Company reserves the right to revise technical parameters described herein for any reason, but not limited to utilization of new advances in the state of the technical arts, or to reflect changes in the design of equipment or services.
- (2) The customer is responsible for selecting the appropriate category and type of channel in accordance with the types and descriptions provided in this Section of the Guide.
- (3) The Telephone Company has responsibility for the channel facility up to the Rate Demarcation (RDP).
- (4) The customer is responsible for compliance with general regulations applicable to the connection of customer-provided equipment as specified in Section 31 of the Telephone Company's Pa. P.U.C.-No. 1 and with specific regulations applicable to the series and type of service as specified in this Section.

2. CHANNELS PROVIDED IN PART BY ANOTHER COMPANY

If a portion of a channel is provided by another company, any established charges applied by that company are in addition to the charges of this Company and any established regulations of that company apply to the use of the channel between points in its operating territory and points outside of that territory.

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CHANNELS

A. GENERAL (Cont'd)

3. SERVICE TO AN AERONAUTICAL COMMUNICATIONS COMPANY

Channels may be used for the transmission of communications to, from, within and between air carriers, where the customer is an aeronautical communications company licensed under the Aviation Services rules of the Federal Communications Commission to operate stations in the aeronautical mobile and fixed services.

4. APPLICATION OF RATES AND CHARGES

a. PRODUCT/SERVICE CHARGE

The Product/Service charge for a private line channel covers work associated with each termination of a private line channel. It covers, but is not limited to, connection and testing work in the serving and intermediate central offices (when required), circuit engineering, and plant coordination.

For each two point channel service, the Product/Service charge -Initial applies per termination of a private line channel.

When more than one two point channel service of the same type is installed at the same time between the same premises, a Product/Service - Additional per termination applies after the application of the Product/Service charge - Initial for the first channel service.

b. LOCAL CHANNEL CHARGE

The local channel rates will vary according to the cell assigned to the central office serving area in which the local channel resides. The cells are the same as those developed for business Dial Tone lines.

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A. GENERAL (Cont'd)

4. APPLICATION OF RATES AND CHARGES (Cont'd)

b. LOCAL CHANNEL CHARGE (Cont'd)

The cell designation is found in the following sections of the Local Exchange Tariffs:

<u>Tariff</u>	<u>Coverage Area</u>	<u>Cell Designation</u>
Pa. P.U.C.-No. 180A	All of Pennsylvania Exchanges except as noted below	Paragraphs B.4 and B.5
Pa. P.U.C.-No. 182	Philadelphia Exchange Area	Paragraph E.2
Pa. P.U.C.-No. 182A	Philadelphia Suburban Exchange Area	Paragraph E.2
Pa. P.U.C.-No. 185B	Pittsburgh Exchange Area	Paragraph E.2
Pa. P.U.C.-No. 185C	Pittsburgh Suburban Exchange Area	Paragraph E.2

Local channel rates are provided in I.4.a following.

5. SERVICE CONFIGURATIONS

a. INTRAEXCHANGE CHANNELS

When a channel is furnished within the same central office serving area, one local channel and one transmission function are required to connect the serving central office and each premises at which the channel terminates. When a channel is furnished between customer locations in different central office serving areas, an interoffice channel is required to connect the wire centers. The number of interoffice channels required for a single channel service is one less than the total number of wire centers. Within each central office serving area one local channel and one transmission function are required to connect the serving central office and each premises at which the channel terminates.

Reserved for Future Use

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A. GENERAL (Cont'd)

5. SERVICE CONFIGURATIONS (Cont'd)

c. INTEREXCHANGE CHANNELS

When a channel is furnished between customer locations in different exchange areas, interexchange channels are required to connect the wire centers. The number of interexchange channels required for a single channel service is one less than the total number of wire centers. Within each exchange area, one local channel and one transmission function are required to connect the interexchange channel and each premises at which the channel terminates.

d. OTHER CONFIGURATIONS

- (1) Channels which have special configurations are described in the regulations applicable to the specific services described in the following Paragraphs.
- (2) The following service option is also available:

Alternate Use (See Paragraph G.1. of this Section).

6. MILEAGE MEASUREMENTS

a. TWO-POINT SERVICE

(1) Interexchange Channel

Rates for interexchange channels are based on the airline mileage between the wire centers where service is terminated determined in accordance with National Exchange Carrier Association Tariff F.C.C. No. 4.

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CHANNELS

A. GENERAL (Cont'd)

6. MILEAGE MEASUREMENTS (Cont'd)

a. TWO-POINT SERVICE (Cont'd)

(1) Interexchange Channel (Cont'd)

When one of the exchanges is operated by another telephone company which applies its established mileage charges for the portion of the service furnished by it, the mileage to which this Company's rates apply is the airline distance between the appropriate wire center operated by this Company and the point where the airline distance between wire centers crosses the other company's territorial boundary or such other measuring point on the boundary or in the other company's territory to which the other company's mileage is measured as provided in the other company's tariffs or Guides.

(2) Interoffice Channel

Rates for interoffice channels are based on the airline mileage between serving wire centers. Fractional units of measurement are considered as full units.

(3) Special Routing

(a) Private line services furnished under this Guide are provided over such routes as the Telephone Company may elect.

(b) Rates for special routing are based on costs and apply in addition to all other rates and charges which may be applicable under this Section of the Guide.

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A. GENERAL (Cont'd)

7. SPECIAL CONSTRUCTION

When the components required to provide service are not available, and when mutually agreeable to the customer and Telephone Company, special construction may be undertaken to provide the required service. Except as provided in this and other Sections of this Guide, the customer requesting channel services requiring special construction of facilities is liable for the costs incurred for that portion of the facilities not deemed to be reusable by another customer in the manner or quantity furnished.

8. CANCELLATION AND SPECIAL HANDLING OF APPLICATION FOR SERVICE

Applicable charges for customer requested cancellation or special handling of service requests requiring Engineering design will be billed according to provisions described in Section 1 of this Guide.

B. SERIES 1000 CHANNELS*

1. GENERAL

- a. Information pertaining to channels provided between non adjacent premises in the same or different wire center(s) has been transferred to Pa. P.U.C.-No. 304, Part 3 and Part 6.
- b. Series 1000 services include channels for transmission at speeds up to 150 baud. These channels are not suitable for the transmission of alternating current tones.
- c. These channels are furnished for service 24 hours a day, 7 days a week, for a minimum period of one month.

* Effective February 13, 2026, moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. As of October 31, 2014, all Series 1000 Channels are no longer available to new customers. Existing customers may maintain their channels; however, term commitment plans will not be renewed. Moves, Adds or changes to subscribers' existing channels are permissible.

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B. SERIES 1000 CHANNELS*

1. GENERAL (Cont'd)

- c. These channels are designed and furnished to meet certain specifications based on Telephone Company standards of measurement for data transmission, teletypewriter, remote metering, supervisory control and miscellaneous signaling purposes as set forth in B.2. following.
- d. The number of stations that may be connected and the distance over which satisfactory transmission is possible may be limited by operating and transmission factors on channels furnished for data transmission.
- e. Channels are furnished on a two-point or multi-point basis to the extent specified in B.2. following
- f. It is expressly declared that metallic facilities for these services are in decreasing supply and the Telephone Company is not obligated to continue to make available or construct such metallic facilities.
- g. Channels provided via metallic facilities do not include a source of power as an integral part of their design.

2. TYPES AND DESCRIPTION

<u>Type</u>	<u>Description</u>
1005	A half-duplex or full-duplex interface operation engineered for a <u>signal speed up to 75 baud</u> ; for two-point or multi-point service; normally suitable for <u>low-speed data transmission</u> , for <u>remote operation of radio telephone</u> , <u>teletype-writer</u> , <u>teletypesetter</u> , <u>data</u> , <u>supervisory control</u> , and <u>miscellaneous signaling purposes</u> .
1006	A half-duplex or full-duplex interface operation engineered for a <u>signal speed up to 150 baud</u> ; for two-point service; normally suitable for <u>low-speed data transmission used for teletypewriter</u> , <u>data</u> , <u>supervisory control</u> , and <u>miscellaneous signaling purposes</u> .
1011	A two-wire interface with two-wire facilities suitable for direct current transmission (metallic continuity) with <u>signaling speeds not to exceed 30 baud</u> ; for two-point or three-point service within the same exchange only; normally suitable for <u>special signaling purposes</u> .

* Effective February 13, 2026, moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. As of October 31, 2014, all Series 1000 Channels are no longer available to new customers. Existing customers may maintain their channels; however, term commitment plans will not be renewed. Moves, Adds or changes to subscribers' existing channels are permissible.

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B. SERIES 1000 CHANNELS* (Cont'd)

2. TYPES AND DESCRIPTION (Cont'd)

<u>Type</u>	<u>Description</u>
1012	A two-wire interface with two-wire facilities suitable for <u>low speed unidirectional series-operated signaling not to exceed 30 baud</u> ; for intraexchange multi-point service; normally suitable for <u>special signaling purposes</u> .

The Telephone Company will notify the customer of the type of facility arrangement (metallic channels or by other means, where available and at the discretion of the Telephone Company) to be supplied prior to initial installation or subsequent change in facility arrangements.

3. REGULATIONS

a. APPLICABLE TO TYPES 1005, 1011 AND 1012 CHANNELS (MISCELLANEOUS AND LOW SPEED SIGNALING)

These channels permit unidirectional transmission of contact closure or voltage or current transitions at speeds up to 15 bits per second. The maximum direct current voltage shall not exceed 270 volts conductor to conductor or 135 volts from either conductor to ground. Alternating current voltages shall be limited to a value of 50V RMS (70.7 volts peak) conductor to conductor or either conductor to ground, and the shortest signal element shall not be less than 33MS (.033 seconds). The direct and alternating current voltage sources shall limit the maximum current; conductor to conductor or either conductor to ground to a value not to exceed 150 MA peak-to-peak (.15 ampere) for Type 1005 channels. The direct and alternating current voltage sources shall limit the maximum current, conductor to conductor or either conductor ground, to a value not to exceed 50 MA peak-to-peak (.05 ampere) for Type 1011 channels and 20 MA peak-to-peak (.02 ampere) for Type 1012 channels.

* Effective February 13, 2026, moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. As of October 31, 2014, all Series 1000 Channels are no longer available to new customers. Existing customers may maintain their channels; however, term commitment plans will not be renewed. Moves, Adds or changes to subscribers' existing channels are permissible.

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B. SERIES 1000 CHANNELS* (Cont'd)

3. REGULATIONS (Cont'd)

b. APPLICABLE TO TYPES 1005 and 1006 CHANNELS (75 baud, 150 baud)

- (1) In connection with Type 1005 channels, where the Telephone Company provides transmission equipment at the interface, the customer must provide a source of continuous 117 volt, 60Hz AC power by means of a nonswitched outlet.
- (2) The customer must in all cases provide a source of continuous 117 volt, 60Hz AC power by means of a nonswitched outlet for Type 1006 channels.
- (3) The equipment and associated station wiring shall be provided by the customer.
- (4) These channels may be connected with other channels which are furnished by the Telephone Company to the same customer if the forms of electrical communication for which they are being used are compatible.
- (5) Type 1006 channels also require the provision of station arrangement equipment as specified in I.6. following to the extent that such equipment is available.

c. APPLICABLE TO TYPES 1011 and 1012 CHANNELS (30 baud)

- (1) Service is furnished subject to the availability of facilities and construction of facilities expressly for this purpose is not contemplated.
- (2) It is expressly declared that metallic facilities for these services are in decreasing supply and the Telephone Company is not obligated to continue to make such metallic facilities available.

* Effective February 13, 2026, moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. As of October 31, 2014, all Series 1000 Channels are no longer available to new customers. Existing customers may maintain their channels; however, term commitment plans will not be renewed. Moves, Adds or changes to subscribers' existing channels are permissible.

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B. SERIES 1000 CHANNELS* (Cont'd)

3. REGULATIONS (Cont'd)

c. APPLICABLE TO TYPES 1011 and 1012 CHANNELS (30 baud) (Cont'd)

- (3) The Telephone Company will furnish service between premises in the same exchange. These channels are provided for use with customer-provided power and signaling equipment.
- (4) Type 1011 service is available on an intraexchange basis only for two- or three-point DC transmission and only where existing facilities and operating conditions permit. In offering to provide this service, the Telephone Company assumes no obligation to specially select, alter, rearrange or construct facilities and does not represent that a facility provided under this subsection is suitable for the intended customer application. Further, in providing this service where existing facilities permit, the Telephone Company assumes no obligation to continue such provision where rearrangements or changing service requirements necessitate the elimination of such facilities or render such facilities unsuitable for the customer application.
- (5) Type 1012 service is provided with a minimum of 3 points (master station and 2 remote premises) and up to a maximum of 26 points (master station and 25 remote premises).

Type 1012 service may be provided either by metallic channels or by other equivalent means at the Telephone Company's option. If provided by a low speed signaling system, the transmission specifications as described in Bell System Technical Reference for low speed signaling channels apply. The Telephone Company will notify the customer if other than metallic facilities are utilized to provide Type 1012 channels prior to installation.

* Effective February 13, 2026, moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. As of October 31, 2014, all Series 1000 Channels are no longer available to new customers. Existing customers may maintain their channels; however, term commitment plans will not be renewed. Moves, Adds or changes to subscribers' existing channels are permissible.

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C. SERIES 2000 CHANNELS*

1. GENERAL

- a. Types 2001, 2002, 2014, 2021, 2025 and 2043 channels as provided under this Guide for use between adjacent premises are not available for new installation as described in 5.a. preceding.

Information pertaining to Types 2001, 2002, 2012, 2014, 2021, 2025, 2026 and 2043 channels provided between non adjacent premises in the same or different wire center(s) has been transferred to Pa. P.U.C.-No. 304, Part 3 and Part 6.
- b. Series 2000 services include channels for voice transmission of approximate band-width of 300-3000 Hz.
- c. These channels are furnished for service 24 hours a day, 7 days a week, for a minimum period of one month except as otherwise noted.
- d. Channels are furnished for intraexchange service on a two-point or multi-point basis as indicated below. The number of stations that may be connected and the distance over which satisfactory transmission is possible may be limited by operating and transmission factors.
- e. Series 2000 Channels may be arranged for alternate use as specified in G.1. following.
- f. With reference to the description in 2. following:
 - (1) "EFFECTIVE DECEMBER 1, 1999 two-wire facilities" may be composed of two-wire metallic and/or four-wire metallic and/or carrier segments; "four-wire facilities" are composed entirely of four-wire metallic and/or carrier segments.
 - (2) The 1000 Hz loss objective range specified refers to the total channel offering (end-to-end) and indicates that the engineered objective loss will fall within that range at the discretion of the Telephone Company depending upon available facilities and the applicability of appropriate engineering designs. These specifications do not include gains or losses present in customer-provided equipment.
 - (3) The Telephone Company reserves the right to revise these objectives and other technical parameters as described herein.

* Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts.

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C. SERIES 2000 CHANNELS* (Cont'd)

2. TYPES AND DESCRIPTION

<u>Type</u>	<u>Description</u>
2001	A two-wire interface with EFFECTIVE DECEMBER 1, 1999 two-wire facilities engineered for a 1000 Hz loss objective of 0 to 10 dB; or a four-wire interface with four-wire facilities engineered for a 1000 Hz loss objective of 0 to 16 dB; normally suitable for use for <u>private line telephone service</u> .
2002	A two-wire interface with EFFECTIVE DECEMBER 1, 1999 two-wire facilities or a four-wire interface with four-wire facilities designed for <u>remote operation of mobile radiotelephone systems</u> ; for two-point or multi-point service.
2005	Furnished for Foreign Central Office Service.
2006	Furnished for Foreign Exchange Service.
2011	A two-wire interface with EFFECTIVE DECEMBER 1, 1999 two-wire facilities engineered for a 1000 Hz loss objective of 0 to 8 dB; normally suitable for <u>off-premises extension</u> use with Exchange Service.
2014	A two-wire interface with EFFECTIVE DECEMBER 1, 1999 two-wire facilities furnished for <u>PBX (or similar) off-premises main and extension service</u> used with PBX's.
2021	A two-wire or four-wire interface with four-wire facilities furnished for <u>tie line use between PBXs</u> ; for two-point service.
2025	A two-wire or four-wire interface with four-wire facilities furnished for <u>tie line use between a PBX and a C.O. Centrex</u> ; for two-point service.

* Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts.

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C. SERIES 2000 CHANNELS* (Cont'd)

3. REGULATIONS

a. APPLICABLE TO TYPE 2001 CHANNELS (PRIVATE LINE)

- (1) Type 2001 channels are furnished for voice transmission of approximate band-width of 300-3000 Hz.
- (2) For private line duplex service on adjacent premises as specified in I.2. following, the monthly rates for two channels apply.
- (3) These channels are not suitable for switching and/or tandem operations to the public switched network or other private line services.
- (4) Type 2001 channels may be arranged for alternate use as specified in G.1. following.

* Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts.

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CHANNELS

C. SERIES 2000 CHANNELS* (Cont'd)

3. REGULATIONS (Cont'd)

b. APPLICABLE TO TYPE 2002 CHANNELS (MOBILE RADIOTELEPHONE)

- (1) The following channels are furnished between specified locations for remote operation and control of private land radiotelephone stations established for communications with mobile units.

(a) Voice Channels

- (a.1.) Channels are similar as to transmission characteristics, to those furnished for Type 2001 channels.
- (a.2.) Channels specially designed to provide transmissions in a frequency range broader than that furnished for Type 2001 channels.

(b) Control Channels

These channels are similar as to transmission characteristics, to those furnished for Type 1005 channels and are provided at the same rates as Type 1005 channels.

(c) For Combined Voice Transmission and Control Purposes

- (c.1.) Channels furnished for combined voice transmission and control purposes may be used by the customer, in accordance with the normal transmission characteristics of such channels, for voice transmission purposes and to transmit more than one tone or signal in sequence or simultaneously or to create additional channels for remote control and indication purposes only.
- (c.2.) On two-point services, voice channels may be used alternately for control at no additional charge, where the control function is derived through the use of standard one-way, two-state Direct Current signaling over the voice channel.

* Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts.

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CHANNELS

C. SERIES 2000 CHANNELS* (Cont'd)

3. REGULATIONS (Cont'd)

b. APPLICABLE TO TYPE 2002 CHANNELS (MOBILE RADIOTELEPHONE) (Cont'd)

(2) (Cont'd)

(c) For Combined Voice Transmission and Control Purposes (Cont'd)

- (c.3.) On two-point services, voice channels may be used for the remote operation and control of private land radiotelephone stations, at no additional charge when the control functions are provided via tone signals.

(d) Additional Equipment and Facilities

Repeaters, amplifiers, special loading, equalization or special types of plant, required in connection with channels provided under either (a) or (b) above, are furnished at charges based upon the costs incurred.

c. APPLICABLE TO TYPE 2005 CHANNELS (FOREIGN CENTRAL OFFICE*)

- (1) Foreign central office service, which involves the connection of a customer located in one central office serving area of a multi-office exchange to a different central office serving area of the same exchange is furnished where facilities permit subject to mileage charges, except in those cases where the services are furnished at the initiative of the Telephone Company.
- (2) Provision of Type 2005 channels does not come within the Telephone Company's general undertaking, nor does the Telephone Company obligate itself to furnish such services generally, but will do so where facilities of such a character are available as will permit satisfactory telephone transmission.
- (3) Type 2005 channels are not provided for use with pay telephone lines.

* Effective February 13, 2026, these services are no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts.

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C. SERIES 2000 CHANNELS* (Cont'd)

3. REGULATIONS (Cont'd)

c. APPLICABLE TO TYPE 2005 CHANNELS (FOREIGN CENTRAL OFFICE*) (Cont'd)

- (4) Type 2005 channels are provided only upon contract for a minimum period of six months. Termination liability reduces 1/6 for each month of service and applies to the established monthly rate for the grade of service furnished plus the applicable monthly channel charges specified in I.4.b and I.5.a following, and in Section 14A of this Guide for Telpak Channels and Services.
- (5) Foreign central office service may be furnished in connection with branch exchange or individual line service.
- (6) When foreign central office service is provided at the initiative of the Telephone Company, Type 2005 channel charges do not apply.
- (7) For Foreign Central Office service, one interoffice channel is required to connect the wire centers. In addition, a transmission function is required at each end of the interoffice channel to make the channel operative.
- (8) In addition to charges for the Type 2005 channel furnished, rates and charges for local exchange service apply as stated in this Company's Local Exchange Tariffs. No charge applies where different central office serving area designations are intermixed within the same district and it is practical to give the customer the designation desired.
- (9) When **IntelliLinQ**®-PRI Service or an entire High Capacity Digital Hand-off Service is provisioned to obtain Foreign Central Office Service, month-to month channel mileage rates apply for High Capacity Service (1.544 Mbps), as specified in this Guide.

This arrangement only applies when a physical transport is required for a single customer and all 24 channels of a High Capacity Service (1.544 Mbps) are provisioned on a Foreign Central Office basis.

The end to end service must be within the same LATA, and must utilize Local Exchange Service provided from the normal serving Central Office.

* Effective February 13, 2026, these services are no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts.

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C. SERIES 2000 CHANNELS* (Cont'd)

3. REGULATIONS (Cont'd)

d. APPLICABLE TO TYPE 2006 CHANNELS (FOREIGN EXCHANGE*)

- (1) Provision of Type 2006 channels does not come within the Telephone Company's general undertaking, nor does the Telephone Company obligate itself to furnish such channels generally, but will do so where facilities of such a character are available as will permit satisfactory telephone transmission.
- (2) Type 2006 channels are not provided for use with pay telephone lines.
- (3) In addition to charges for the Type 2006 channel, rates and charges for local exchange service apply as stated in this Company's Local Exchange Tariffs.

* Effective February 13, 2026, these services are no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts.

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C. SERIES 2000 CHANNELS* (Cont'd)

3. REGULATIONS (Cont'd)

d. APPLICABLE TO TYPE 2006 CHANNELS (FOREIGN EXCHANGE*) (Cont'd)

- (4) Type 2006 channels are provided only upon contract for a minimum of six months. Termination liability reduces 1/6 for each month of service and applies to the established monthly rate for the grade of service furnished plus the applicable monthly channel charges specified in I.4.b and I.5.b following.
- (5) When the exchange area in which the customer is located is in the same state and of the same Company as the foreign exchange area, foreign exchange service may be furnished in connection with branch exchange or individual line service quoted in the foreign exchange area.
- (6) If the customer is located in the territory of this Company, branch exchange or individual line service may be furnished from either a contiguous or noncontiguous foreign exchange of another telephone company in the same state, subject to the condition that such customer is required to be a customer for local exchange service during the period foreign exchange service is retained. The monthly channel charges applicable to the portion of the service furnished by this Company are the same as provided in I.4.b and I.5.b following. A transmission function is required with that portion of the service furnished by this Company.
- (7) When one of the exchanges is operated by another telephone company, its established foreign exchange channel charges apply for the portion of the service furnished by it. The portion to which this Company's rates apply is the airline distance between the appropriate wire center operated by this Company and the point where the airline distance between the wire centers crosses the other company's territorial boundary or such other measuring point on the boundary or in the other company's territory to which the other company's channel is measured as provided in the other company's tariffs or Guides.
- (8) Type 2006 channels between exchanges are measured between the wire centers in the local and foreign exchanges.

* Effective February 13, 2026, these services are no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts.

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C. SERIES 2000 CHANNELS* (Cont'd)

3. REGULATIONS (Cont'd)

d. APPLICABLE TO TYPE 2006 CHANNELS (FOREIGN EXCHANGE*) (Cont'd)

- (9) For foreign exchange service, one interexchange channel is required to connect the wire centers of the local and foreign exchange areas. In addition, a transmission function is required at each end of the interexchange channel to make the channel operative.
- (10) When an **IntelliLinQ**®-PRI Service or an entire High Capacity Digital Hand-off Service is provisioned to obtain Foreign Exchange Service, month-to-month channel mileage rates apply for High Capacity Service (1.544 Mbps), as specified in this Guide.

This arrangement only applies when a physical transport is required for a single customer and all 24 channels of a High Capacity Service (1.544 Mbps) are provisioned on a Foreign Exchange basis.

The end to end service must be within the same LATA, and must utilize Local Exchange Service provided from the normal serving Central Office.

e. APPLICABLE TO TYPE 2011 CHANNELS (EXTENSION SERVICE) ¹

- (1) For intraexchange service, one local channel and one transmission function are required to connect the wire center to the premises where the extension is located. If the central office serving area of the premises where the extension is located is different from the central office serving area where the main station is located, one interoffice channel is required to connect the wire centers.
- (2) For extension service in a different exchange area from the main station, one interexchange channel is required to connect the wire centers. One local channel and one transmission function are required to connect the interexchange channel to the extension service.

f. APPLICABLE TO TYPE 2014 CHANNELS (OFF-PREMISES PBX SERVICE) ¹

- (1) The number of stations that may be connected and the distance over which satisfactory transmission is possible may be limited by operating and transmission factors.
- (2) Type 2014 channels may be arranged for alternate use as specified in G.1. following.

* Effective February 13, 2026, these services are no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts.

¹ Effective May 18, 2013, APPLICABLE TO TYPE 2011 CHANNELS (EXTENSION SERVICE) and APPLICABLE TO TYPE 2014 CHANNELS (OFF-PREMISES PBX SERVICE) are grandfathered and no longer available to new customers. APPLICABLE TO TYPE 2011 CHANNELS (EXTENSION SERVICE) and APPLICABLE TO TYPE 2014 CHANNELS (OFF-PREMISES PBX SERVICE) are still available for resale until February 15, 2014, on which date the foregoing terms shall be effective for resale.

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C. SERIES 2000 CHANNELS (Cont'd)

3. REGULATIONS (Cont'd)

g. APPLICABLE TO TYPES 2021 AND 2025 CHANNELS (TIE LINES)

- (1) Types 2021 and 2025 channels may be arranged for alternate use as specified in G.1. following.
- (2) Channels arranged for loop signaling are provided for two-point service only and are provided at the same rates as Type 2014 channels.

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D. SERIES 3000 CHANNELS*

1. GENERAL

- a. Series 3000 channels as provided under this Guide for use between adjacent premises are not available for new installation as described in 5.a. preceding.

Information pertaining to channels provided between non adjacent premises in the same or different wire center(s) has been transferred to Pa. P.U.C.-No. 304, Part 3 and Part 6.

- b. Series 3000 services include unconditioned voice grade channels for remote metering, supervisory control, miscellaneous signaling and data transmission of approximate bandwidth of 300-3000 Hz.
- c. These channels are furnished for service 24 hours a day, 7 days a week, for a minimum period of one month.
- d. Channels are furnished for half-duplex or duplex operation to the extent specified below. The number of stations that may be connected and the distance over which satisfactory transmission is possible may be limited by operating and transmission factors. These channels may not be suitable for the transmission of direct current pulses.
- e. With reference to the descriptions in 2. following:
 - (1) "EFFECTIVE DECEMBER 1, 1999 two-wire facilities" may be composed of two-wire metallic and/or four-wire metallic and/or carrier segments; "four-wire facilities" are composed entirely of four-wire metallic and/or carrier segments.

* Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts.

Verizon Pennsylvania LLC

CHANNELS

D. SERIES 3000 CHANNELS*

1. GENERAL

e. (Cont'd)

- (2) The 1000 Hz loss objective range specified refers to the total channel offering (end-to-end) and indicates that the engineered objective loss will fall within that range at the discretion of the Telephone Company depending upon available facilities and the applicability of appropriate engineering designs. These specifications do not include gains or losses present in customer-provided equipment.
- (3) The Telephone Company reserves the right to revise these objectives and other technical parameters as described herein.

2. TYPES AND DESCRIPTION

<u>Type</u>	<u>Description</u>
3001	A two-wire interface with EFFECTIVE DECEMBER 1, 1999 two-wire facilities or a four-wire interface with four-wire facilities engineered for a 1000 Hz loss objective of 16 dB; for two-point or multi-point service; normally suitable for half-duplex or full-duplex operation, for <u>remote metering, supervisory control and miscellaneous signaling</u> .
3002	A two-wire interface with EFFECTIVE DECEMBER 1, 1999 two-wire facilities or a four-wire interface with four-wire facilities engineered for a 1000 Hz loss objective of 16dB; normally suitable for <u>half or full-duplex data transmission</u> .

* Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts.

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CHANNELS

D. SERIES 3000 CHANNELS* (Cont'd)

3. REGULATIONS

a. APPLICABLE TO TYPE 3001 (REMOTE METERING, SUPERVISORY CONTROL AND MISCELLANEOUS SIGNALING CHANNELS) ¹

- (1) For duplex service between adjacent premises as specified in I.2. following, the monthly rates for two channels apply.
- (2) The equipment and associated station wiring shall be provided by the customer.
- (3) The use of customer-owned equipment is subject to the regulations in Section 31 of this Guide regarding connections with customer-owned equipment. However, the customer, by the use of his own equipment, may create additional channels or may transmit more than one tone or signal in sequence or simultaneously to the extent permitted by the normal transmission characteristics of the grade of channel furnished.
- (4) Customers, by use of their own equipment, and to the extent permitted by the normal transmission characteristics of the grade of channel ordered may create additional channels for any type of communication by sub-dividing a channel furnished under this Guide. The Telephone Company makes no representation as to the suitability of the channels provided by it for such sub-division into additional channels by the customer. These channels may be connected with other channels which are furnished by the Telephone Company to the same customer, and to channels created therefrom, if the forms of electrical communication for which they are being used are compatible.

¹ Withdrawn from residential service effective July 20, 2013; still available for resale until October 19, 2013, on which date the foregoing terms shall be effective for resale.

* Effective February 13, 2026, this service is no longer available to new customers. Moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts.

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CHANNELS

D. SERIES 3000 CHANNELS* (Cont'd)

3. REGULATIONS (Cont'd)

b. APPLICABLE TO TYPE 3002 (DATA CHANNELS)

- (1) Data processing equipment, teletypewriter station equipment and terminal equipment required to condition signals generated by or delivered to customer apparatus, and station wiring for data transmission purposes shall be provided by the customer, subject to the regulations in Section 31 of the Telephone Company's Pa. P.U.C.-No. 1 Tariff regarding connections with customer-owned equipment.
- (2) Customers, by use of their own equipment, and to the extent permitted by the normal transmission characteristics of the grade of channel ordered may create additional channels for any type of communication by subdividing a channel furnished under this Guide. The Telephone Company makes no representation as to the suitability of the channels provided by it for such sub-division into additional channels by the customer. These channels may be connected with other channels which are furnished by the Telephone Company to the same customer, and to channels created therefrom, if the forms of electrical communication for which they are being used are the same.

E. SERIES 6000 CHANNELS*

1. GENERAL

- a. Series 6000 channels as provided under this Guide for use between adjacent premises are not available for new installation as described in 5.a. preceding.

Information pertaining to Series 6000 channels provided between non adjacent premises in the same or different wire center(s) has been transferred to Pa. P.U.C.-No. 304, Part 3 and Part 6.

- b. Series 6000 channels include audio and wired music channels specially equipped for the closed circuit (non-broadcast) transmission of voice and music signals in one direction only.

* Effective February 13, 2026, moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. As of October 31, 2014, all Series 6000 Channels are no longer available to new customers. Existing customers may maintain their channels; however, term commitment plans will not be renewed. Moves, Adds or changes to subscribers' existing channels are permissible.

Verizon Pennsylvania LLC

CHANNELS

E. SERIES 6000 CHANNELS* (Cont'd)

1. GENERAL (Cont'd)

- c. These channels are furnished for service 24 hours a day, 7 days a week, for a minimum period of one month.
- d. With reference to the descriptions in 2. following.
 - (1) "EFFECTIVE DECEMBER 1, 1999 two-wire facilities" may be composed of two-wire metallic and/or four-wire metallic and/or carrier segments.
 - (2) The 1000 Hz loss objective range specified refers to the total channel offering (end-to-end) and indicates that the engineered objective loss will fall within that range at the discretion of the Telephone Company depending upon available facilities and the applicability of appropriate engineering designs. These specifications do not include gains or losses present in customer-provided equipment.
 - (3) The Telephone Company reserves the right to revise these objectives and other technical parameters as described herein.

2. TYPES AND DESCRIPTION

<u>Type</u>	<u>Description</u>
6005	A two-wire interface with EFFECTIVE DECEMBER 1, 1999 two-wire facilities engineered for a 1000 Hz maximum loss of 32 dB and <u>equalized to ± 3 dB of the 1000 Hz loss from 100 to 5000 Hz</u> , arranged for unidirectional operation; normally suitable for <u>audio transmission</u> .
6007	A two-wire interface with EFFECTIVE DECEMBER 1, 1999 two-wire facilities engineered for a 1000 Hz maximum loss of 32 dB and <u>equalized to ± 3 dB of the 1000 Hz loss of approximately 50 to 8000 Hz</u> , arranged for unidirectional operation; normally suitable for <u>audio transmission</u> .
6009	A two-wire interface with EFFECTIVE DECEMBER 1, 1999 two-wire facilities engineered for a 1000 Hz maximum loss of 32 dB and <u>equalized to ± 3 dB of the 1000 Hz loss from approximately 50 to 15000 Hz</u> , arranged for unidirectional operation; normally suitable for <u>audio transmission</u> .

* Effective February 13, 2026, moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. As of October 31, 2014, all Series 6000 Channels are no longer available to new customers. Existing customers may maintain their channels; however, term commitment plans will not be renewed. Moves, Adds or changes to subscribers' existing channels are permissible.

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CHANNELS

E. SERIES 6000 CHANNELS* (Cont'd)

2. TYPES AND DESCRIPTION (Cont'd)

<u>Type</u>	<u>Description</u>
6011	A two-wire interface with EFFECTIVE DECEMBER 1, 1999 two-wire facilities engineered for a 1000 Hz maximum loss objective of 12 dB <u>without equalization</u> , arranged for unidirectional operation; normally suitable for <u>audio transmission</u> .
6020	A two-wire interface with EFFECTIVE DECEMBER 1, 1999 two-wire facilities engineered for 1000 Hz maximum loss of 14 dB <u>without equalization</u> , arranged for unidirectional operation; normally suitable for <u>wired music distribution</u> .
6021	A two-wire interface with EFFECTIVE DECEMBER 1, 1999 two-wire facilities engineered for a 1000 Hz maximum loss of 34 dB and <u>equalized to ± 4 dB</u> of the 1000 Hz loss from approximately <u>100 to 5000 Hz</u> , arranged for unidirectional operation; normally suitable for <u>wired music distribution</u> .
6022	A two-wire interface with EFFECTIVE DECEMBER 1, 1999 two-wire facilities engineered for a 1000 Hz maximum loss of 34 dB and <u>equalized to ± 4 dB</u> of the 1000 Hz loss from approximately <u>50 to 8000 Hz</u> ; arranged for unidirectional operation; normally suitable for <u>wired music distribution</u> .

3. REGULATIONS

a. GENERAL

- (1) Facilities furnished in connection with exchange, message toll or private line telephone service may not be connected with program transmission channels.
- (2) All station equipment and facilities on the customer's side of the Rate Demarcation Point (RDP) shall be provided by the customer.
- (3) Channels of this type may be used incidentally for the transmission of music as filler material, provided no special circuit or equipment arrangements are required other than that necessary for speech only transmission.

* Effective February 13, 2026, moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. As of October 31, 2014, all Series 6000 Channels are no longer available to new customers. Existing customers may maintain their channels; however, term commitment plans will not be renewed. Moves, Adds or changes to subscribers' existing channels are permissible.

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CHANNELS

E. SERIES 6000 CHANNELS* (Cont'd)

3. REGULATIONS (Cont'd)

a. GENERAL (Cont'd)

- (4) These Series 6000 channels may require the use of non-loaded cable facilities. In the event that only loaded facilities are available, the Company will, at the customer's request, de-load the facilities at charges commensurate with the costs incurred.

b. APPLICABLE TO TYPES 6005, 6007, 6009, 6011 (AUDIO CHANNELS)

- (1) These channels are furnished to provide service between customer service locations, to connect a music source to a wired music distribution amplifier located in a Telephone Company central office serving area, or to connect wired music distribution amplifiers located in different central office serving areas.
- (2) For extending non-equalized channels to different building at shopping centers and multi-building malls, where connection is made directly to a customer furnished receiver or bridging amplifier at the shopping center or mall, adjacent premises rates specified in I.2. following apply.

* Effective February 13, 2026, moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. As of October 31, 2014, all Series 6000 Channels are no longer available to new customers. Existing customers may maintain their channels; however, term commitment plans will not be renewed. Moves, Adds or changes to subscribers' existing channels are permissible.

Verizon Pennsylvania LLC

CHANNELS

E. SERIES 6000 CHANNELS* (Cont'd)

3. REGULATIONS (Cont'd)

c. APPLICABLE TO TYPES 6020, 6021, 6022 (WIRED MUSIC DISTRIBUTION CHANNELS)

- (1) These channels are furnished only for distribution of wired music service from a Telephone Company wire center to patrons of the music service located in the same central office serving areas.
- (2) Distribution amplifiers provided by the Telephone Company at the central office are required to receive signals from the music source and transmit the appropriate signal level to the multiple wired music channels serving the patrons of the music service.

F. SERIES 9000 CHANNELS*

1. GENERAL

- a. Series 9000 channels as provided under this Guide for use between adjacent premises are not available for new installation as described in 5.a preceding.

Information pertaining to channels provided between non adjacent premises in the same wire center has been transferred to Pa. P.U.C.-No. 304, Part 3 and Part 6.

- b. The Telephone Company will furnish, subject to availability of facilities, Local Area Data Channels suitable for baseband transmission of digital data signals using the frequency spectrum above voiceband between two points within the same central office serving area.

* Effective February 13, 2026, moves, changes, or modifications to these services will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. As of October 31, 2014, all Series 6000 Channels and all Series 9000 Channels are no longer available to new customers. Existing customers may maintain their channels; however, term commitment plans will not be renewed. Moves, Adds or changes to subscribers' existing channels are permissible.

Verizon Pennsylvania LLC

CHANNELS

F. SERIES 9000 CHANNELS* (Cont'd)

2. TYPES AND DESCRIPTION

<u>Type</u>	<u>Description</u>
9001	A two-wire interface with two-wire non-loaded facilities with insertion loss objectives dependent upon facility length and frequency as specified in the table following; for two-point service within the same central office serving area only; normally suitable for the transmission of digital data signals. Furnished for <u>two-wire Local Area Data Service</u> .
9002	A four-wire interface with four-wire non-loaded facilities with insertion loss objectives dependent upon facility length and frequency as specified in the table following; for two-point service within the same central office serving area only; normally suitable for the transmission of digital data signals. Furnished for <u>four-wire Local Area Data Service</u> .

3. REGULATIONS

a. APPLICABLE TO TYPES 9001 AND 9002 (LOCAL AREA DATA SERVICE)

- (1) These channels are furnished only for balanced transmission of data signals conforming to specified signal power limitations and other parameters as specified by the Telephone Company and/or as shown following.
- (2) These channels require the use of nonloaded metallic cable facilities. In the event that only loaded facilities are available, and the customer desires service, the Telephone Company will de-load the facilities at rates commensurate with costs incurred.
- (3) The Telephone Company may make whatever rearrangements in its facilities it deems appropriate and has no obligation to provide this service if suitable facilities are no longer available.

* Effective February 13, 2026, moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. As of October 31, 2014, Series 9000 Channels are no longer available to new customers. Existing customers may maintain their channels; however, term commitment plans will not be renewed. Moves, Adds or changes to subscribers' existing channels are permissible.

Verizon Pennsylvania LLC

CHANNELS

F. SERIES 9000 CHANNELS* (Cont'd)

3. REGULATIONS (Cont'd)

a. APPLICABLE TO TYPES 9001 AND 9002 (LOCAL AREA DATA SERVICE) (Cont'd)

- (4) Provision of this service is subject to the availability of facilities and construction of facilities expressly for this purpose is not contemplated.
- (5) Provision of this service does not contemplate connection to the public switched network.
- (6) SERVICE DESCRIPTION

(a) The Telephone Company will furnish:

- (a.1.) A two-wire interface with two-wire non-loaded facilities with insertion loss objectives dependent upon facility length and frequency as specified in the table following; for two-point service within the same central office serving area only; normally suitable for the transmission of digital data signals.
- (a.2.) A four-wire interface with four-wire non-loaded facilities with insertion loss objectives dependent upon facility length and frequency as specified in the table following; for two-point service within the same central office serving area only; normally suitable for the transmission of digital data signals.

* Effective February 13, 2026, moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. As of October 31, 2014, all Series 9000 Channels are no longer available to new customers. Existing customers may maintain their channels; however, term commitment plans will not be renewed. Moves, Adds or changes to subscribers' existing channels are permissible.

Verizon Pennsylvania LLC

CHANNELS

F. SERIES 9000 CHANNELS* (Cont'd)

3. REGULATIONS (Cont'd)

a. APPLICABLE TO TYPES 9001 AND 9002 (LOCAL AREA DATA SERVICE) (Cont'd)

(6) SERVICE DESCRIPTION (Cont'd)

INSERTION LOSS OBJECTIVES (dB) WITH 135 OHM TERMINATIONS

Maximum End-to-End Channel Length In Route Miles	1000 Hz	2400 Hz	4800 Hz	Frequency 9600 Hz	19200 Hz	38400 Hz
1	10.5	12.0	15.0	19.0	22.5	26.5
2	14.5	16.5	20.5	27.5	35.5	46.0
3	18.0	21.0	27.0	36.5	50.0	67.0
4	21.0	26.0	34.0	46.0	62.5	*
5	23.5	30.5	39.5	53.5	*	*
6	26.5	33.0	43.5	58.5	*	*

* not specified

- (b) The insertion loss objectives specified preceding refer to the total channel offering (end-to-end) and indicate that the engineered objective loss will fall within that objective. These specifications do not include gains or losses present in customer-provided equipment.

The Telephone Company reserves the right to revise these objectives and other technical parameters as described herein.

* Effective February 13, 2026, moves, changes, or modifications to this service will no longer be supported. Service modifications for customers with existing contracts are subject to the terms of their contracts. As of October 31, 2014, all Series 9000 Channels are no longer available to new customers. Existing customers may maintain their channels; however, term commitment plans will not be renewed. Moves, Adds or changes to subscribers' existing channels are permissible.

Verizon Pennsylvania Inc.

CHANNELS

G. OTHER FEATURES AND ARRANGEMENTS

1. ALTERNATE USE ARRANGEMENTS

Series 2000 channels may be arranged for different types of transmission on an alternate use basis, as follows:

a. TYPES AND DESCRIPTION

<u>Channel Types</u>	<u>Alternately Arranged For Use as:</u>
Type 2001	Type 2006 Foreign Exchange Service
2014	Type 1006 Remote metering, supervisory control and miscellaneous signaling purposes up to 150 baud
2021	
2025	Type 1006 Teletypewriter up to 150 baud
	Type 1005 Data up to 75 baud

b. REGULATIONS

- (1) The regulations applicable to the particular use of the channel apply when the channel is connected for such use.
- (2) Interexchange channels and associated local channels may be used alternately but not simultaneously for different purposes as indicated below.
- (3) The monthly charge applicable to a channel used alternately for another purpose is the higher of the channel charges applicable to the uses involved. In addition to the established channel charges, the charges shown in I.10. following apply at each of two service points for the alternate use.
- (4) If a change, addition, deletion or rearrangement of the channel and/or the equipment necessary to provide suitable transmission and signaling is required, charges based on costs apply in addition to the monthly charges shown in I.6. following.
- (5) If automatic switching or alternate use involving more than two service points is desired, it will be furnished where feasible at additional charges based on the costs involved.

Verizon Pennsylvania Inc.

CHANNELS

H. DEFINITION OF TERMS

1. ADJACENT PREMISES

Adjacent premises are properties owned or leased by the same customer, which are separated by a street, alley or other public thoroughfare absent which such properties would otherwise be continuous.

Channel connections between the premises must be direct, i.e. accomplished by the attachment of Telephone Company facilities to the customer's buildings, other customer-provided structures, or by existing utility company poles. Channels furnished through Telephone Company provided conduit or through the use of supporting structures provided by the Telephone Company specifically for this purpose are excluded from "adjacent premises" rate treatment.

CHANNELS

H. DEFINITION OF TERMS (Cont'd)

2. BAUD

Baud denotes a unit of signaling speed. It is the reciprocal of the time duration in seconds of this shortest signal element (mark or space) within a code signal. The speed in bauds is the number of signal elements per second.

3. BRIDGING

Bridging defines the transmission equipment, e.g. amplifier equipment, required for the proper operation of multi-point voice grade and/or data channels.

4. CELL

Designation used to determine the local channel rate applicable for service within a central office serving area.

5. CENTRAL OFFICE

The term central office denotes a local Telephone Company switching system where Telephone Exchange service customer station loops are terminated for purposes of interconnection to each other and to trunks.

6. CENTRAL OFFICE SERVING AREA

A central office serving area is the geographical area normally served from a single Telephone Company local office switching location having one or several switching units which may be used interchangeably to serve all customers located within the area.

Verizon Pennsylvania Inc.

CHANNELS

H. DEFINITIONS OF TERMS (Cont'd)

7. DUPLEX SERVICE

Duplex service denotes service which provides simultaneous transmission in both directions.

8. EQUALIZED

A channel is considered to be equalized when the characteristics of the signal transmitted are preserved at the receiving end.

9. FREQUENCY SEPARATION

The term "Frequency Separation" denotes a method whereby simultaneous operation in both directions on a half-duplex grade of channel service can be achieved by the allocation of different frequency sections of the spectrum to each direction of transmission.

10. HALF-DUPLEX SERVICE

Half-Duplex Service denotes service which provides transmission alternately in either direction, or transmission in one direction only.

11. INTERFACE

An interface is a point on the property where the customer's service is located, at which Telephone Company-provided private line service terminates and at which connection of Telephone Company-provided private line service is made with communications systems or terminal equipment provided by the customer, or with other Telephone Company-provided services. This definition applies to this Guide section only.

12. LOCAL CHANNEL

A local channel consists of the wiring and facilities required for that portion of the service which extends from the customer's Rate Demarcation Point (RDP) to the normal serving central office.

13. RATE DEMARCATION POINT

See Section 33 - Explanation of Terms, Pa. P.U.C.-No. 1 Tariff

Verizon Pennsylvania LLC

CHANNELS

H. DEFINITIONS OF TERMS (Cont'd)

13. TRANSMISSION FUNCTION

Transmission Function is the equipment necessary to adapt a circuit to the station interface requirements and bring transmission characteristics into objective range.

14. WIRE CENTER

The term "wire center" denotes a building in which one or more central offices, used for the provision of Telephone Exchange Services, are located.

I. RATES

1. GENERAL

The rate elements applicable for intraexchange and interexchange channels are specified in A.5 preceding.

2. CHANNELS BETWEEN ADJACENT PREMISES # *

Between locations on adjacent premises for Series 1000, 2000, 3000, 6000 and 9000 channels as applicable..

	Product/Service		<u>Monthly Rate</u>
	<u>Initial</u>	<u>Additional</u>	
Each Two-Wire Channel	\$110.00	\$110.00	\$63.28
Each Four-Wire Channel	\$110.00	\$110.00	\$126.69

(For Types 1005 Data, Teletypewriter; 1006 Data, Teletypewriter; 2021, 3002, 9000 Series channels, four-wire channel rates apply.)

Channels furnished through Telephone Company conduit are excluded from this provision. Rates for intraexchange and interexchange channels apply.

Rates for channel types 2040 and 2041 are covered in Section 21B of this Guide.

* Not available for new installations or additions effective April 26, 1987.

Verizon Pennsylvania LLC

CHANNELS

I. RATES

3. INTRAEXCHANGE AND INTEREXCHANGE CHANNELS

Between locations on different premises in the same or different Central Office Serving Areas for intraexchange and interexchange channels.

		Monthly Rate			
		<u>Cell 1</u>	<u>Cell 2</u>	<u>Cell 3</u>	<u>Cell 4</u>
a.	Local Channel, one required for each premises at which a channel terminates.				
	Each Two Wire Channel	\$60.06	\$82.36	\$127.37	\$157.26

b. Mileage

Interoffice and Interexchange Channels per mile between wire centers.*

	Monthly Rate	
	<u>Fixed Rate</u>	<u>Rate Per Mile</u>
Over 0 to 1 Mile	\$89.92	-
Over 1 to 3 Miles	79.17	\$28.73
Over 3 to 5 Miles	100.73	28.73
Over 5 to 15 Miles	115.15	28.73
Over 15 to 25 Miles	230.40	21.48
Over 25 Miles	316.88	17.92

Rates for intraexchange and interexchange transmission functions are specified under the appropriate Series channel in 4. following.

* Month to month channel mileage rates apply for High Capacity service (1.544 Mbps), as specified in this Guide.

Verizon Pennsylvania LLC

CHANNELS

I. RATES (Cont'd)

3. SERIES 2000 CHANNELS

a. INTRAEXCHANGE CHANNELS^ø

Transmission Function, each
(one required per local channel)

	Product/ Service Charge				Monthly Rate	
	Same Central Office		Different Central Office		Same Central Office	Different Central Office
	<u>Init.</u>	<u>Addl.</u>	<u>Init.</u>	<u>Addl.</u>		
Type 2005#+*	-	-	\$320.00	\$195.00	-	\$128.91
Type 2011	\$180.00	\$110.00	670.00	405.00	\$24.71	197.30

NOTES:

- ø Rates for channel types 2040 and 2041 are covered in Section 21B of this Guide.
- # The total monthly channel charges for Type 2005 are subject to a minimum of \$59.80 per month. A minimum charge of \$59.80 also applies where the normal serving central office and the foreign central office are located in the same wire center building but serve different geographical areas.
- + Two required per interoffice channel.
- * The high capacity facility non-recurring charge is \$400.00 per facility.

Verizon Pennsylvania LLC

CHANNELS

I. RATES (Cont'd)

3. SERIES 2000 CHANNELS (Cont'd)

b. INTEREXCHANGE CHANNELS^ø

Transmission function, each
(one required per local channel)

	Product/Service Charge Different Central Office		Monthly Rate
	<u>Initial</u>	<u>Additional</u>	<u>Different Central Office</u>
Type 2006+ [#]	\$320.00	\$195.00	\$203.04
Type 2011	670.00	405.00	196.56

c. LOCAL CHANNEL - BETWEEN CONTINGUOUS EXCHANGES

Effective September 13, 1982, the rate treatment for Foreign Exchange Areas as provided herein is not available for new customers. However, such services being furnished to residence customers as of September 13, 1982, may be continued for the same customers at the same premises at the rates shown following. New or additional Foreign Exchange Services are provided as Type 2006 channels as described in C.3.d. preceding.

^ø Rates for channel types 2040 and 2041 are covered in Section 21B of this Guide.

⁺ Two required per interexchange channel.

[#] A minimum charge of \$80.40 applies for Type 2006 where the normal central office and the foreign exchange office are located in the same central office building, but serve different exchanges.

^{*} The high capacity facility nonrecurring charge is \$400.00 per facility.

Verizon Pennsylvania Inc.

CHANNELS

I. RATES (Cont'd)

3. SERIES 2000 CHANNELS (Cont'd)

c. LOCAL CHANNEL - BETWEEN CONTIGUOUS EXCHANGES (Cont'd)

(1) Individual Line -

Residence service from the Philadelphia or Pittsburg Exchanges

	<u>Monthly Rate</u>		
Residence Service	\$35.40		
Residence Service from any other exchange			
	<u>Monthly Rate</u>		
	<u>Distance Between Wire Centers</u>		
	<u>5 miles or less</u>	<u>6 to 10 miles</u>	<u>Over 10 miles</u>
Residence Service	\$35.40	\$44.40	\$59.40

Verizon Pennsylvania LLC

CHANNELS

I. RATES (Cont'd)

4. OTHER FEATURES AND ARRANGEMENTS

a. ALTERNATE USE ARRANGEMENTS

	Product/Service Charge				Monthly Rate
	Same		Different		
	Central		Central		
	Office		Office		
	<u>Init.</u>	<u>Addl.</u>	<u>Init.</u>	<u>Addl.</u>	
For each termina- tion of a two point channel used alternately as:					
Type 1005	\$170.00	\$100.00	\$170.00	\$100.00	\$ 9.25*
Type 1006	170.00	100.00	170.00	100.00	206.96
Type 2006	170.00	100.00	170.00	100.00	9.25

* Where the customers' requirements are such that either the removal of regenerative repeaters or the provision of echo suppression cut-off control, or both are required, a monthly charge of \$23.75 applies for the alternate use.

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CHANNELS

I. RATES (Cont'd)

4. OTHER FEATURES AND ARRANGEMENTS (Cont'd)

b. MULTI-POINT ONE-WAY TYPE 1005 CHANNELS (FURNISHED TO EXISTING CUSTOMERS ONLY)

Multi-Point Type 1005 Miscellaneous Purposes Channels, not specially connected, used for one-way non-selective, simultaneous ringing of bells or buzzers are furnished for points within an exchange or contiguous exchange of this Company at a monthly rate of \$22.20 per point, excluding the signaling control point.

In addition to the above monthly charge a Product/Service Charge of \$22.00 per point applies.

c. STATION ARRANGEMENT CHARGES FOR TYPE 1006 CHANNELS

In addition to the charges for Type 1006 channels, the following station arrangement charges apply at each termination of a two-point channel.

	<u>Monthly Rate</u>
Two-Point Type 1006 channel between terminals in:	
Same Wire Center	\$115.51