

SERIES 3000 CHANNELS**

(N)

A. GENERAL

Series 3000 Channels are voice grade channels furnished for half-duplex or duplex operation (data use) on a two-point or multipoint basis.

B. TERMS AND CONDITIONS

1. Explanation of Terms

Audio Tone Protective Relaying

Audio tone protective relaying is the function in which power utility fault detectors at one location sense a power system fault condition and initiate a trip signal, which must be coded and transmitted by a protective relaying terminal, over telecommunications facilities to a similarly equipped location. Power system circuit breakers at the other location will then operate to rapidly deenergize the faulted portion of the electric power system.

2. Channel Types

Type 3001B - A two-wire interface with effective two-wire facilities conditioned for audio tone protective relaying.

Type 3001C - A four-wire interface with four-wire facilities conditioned for audio tone protective relaying.

All Type 3001B and 3001C channels are conditioned for the following transmission specifications:

The envelope delay distortion shall not exceed 2000 microseconds between 800 and 2600 Hz.

The loss deviation with frequency (from 1004 Hz reference) shall not exceed the following limits:

Between 300 and 3000 Hz, -2dB to +6dB.

Between 500 and 2800 Hz, -1dB to +3dB.

The resistance unbalance of the local channel cable pairs will be one percent or less

Type 3120* - A four-wire interface with four-wire facilities engineered for a 1000 Hz net loss of 16dB; normally suitable for data transmission.

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

** 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. (N)

SERIES 3000 CHANNELS**

(N)

B. TERMS AND CONDITIONS (Cont'd)

2. Channel Types (Cont'd)

Type 3122* - A two-wire interface with effective two-wire facilities engineered for a 1000 Hz net loss of 16dB; normally suitable for data transmission.

3. Terminal Equipment (data set) Requirements for Series 3000 Channels

a. When Series 3000 Channels are used for data transmission, terminal equipment (data sets) 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 such a channel to signals for delivery to apparatus furnished by the customer.

b. Series 3000 Channels may be used for normal black and white telephotograph (facsimile) transmission purposes without the use of terminal equipment. Where picture transmission refinements are required, suitable terminal equipment should be used.

4. Channel Conditioning Arrangements for Series 3000 Channels

a. Type C1

The envelope delay distortion shall not exceed:

Between 1000 and 2400 Hz, a maximum difference of 1000 microseconds.

The loss deviation with frequency, from 1000 Hz reference, shall not exceed:

Between 1000 and 2400 Hz, -1dB to +3dB

Between 300 and 2700 Hz, -2dB to +6dB

b. Type C2

The envelope delay distortion shall not exceed:

Between 1000 and 2600 Hz, a maximum difference of 500 microseconds.

Between 600 and 2600 Hz, a maximum difference of 1500 microseconds.

Between 500 and 2800 Hz, a maximum difference of 3000 microseconds.

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

** 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.

(N)

|

|

(N)

SERIES 3000 CHANNELS**

(N)

B. TERMS AND CONDITIONS (Cont'd)

4. Channel Conditioning Arrangements for Series 3000 Channels (Cont'd)

b. Type C2 (Cont'd)

The loss deviation with frequency, from 1000 Hz reference, shall not exceed:

Between 500 and 2800 Hz, -1dB to +3dB

Between 300 and 3000 Hz, -2dB to +6dB

c. Type C4

The envelope delay distortion shall not exceed:

Between 1000 and 2600 Hz, a maximum difference of 300 microseconds.

Between 800 and 2800 Hz, a maximum difference of 500 microseconds.

Between 600 and 3000 Hz, a maximum difference of 1500 microseconds.

Between 500 and 3000 Hz, a maximum difference of 3000 microseconds.

The loss deviation with frequency, from 1000 Hz reference, shall not exceed:

Between 500 and 3000 Hz, -2dB to +3dB

Between 300 and 3200 Hz, -2dB to +3dB

d. Type C5

The envelope delay distortion shall not exceed:

Between 1000 and 2600 Hz, a maximum difference of 100 microseconds.

Between 600 and 2600 Hz, a maximum difference of 300 microseconds.

Between 500 and 2800 Hz, a maximum difference of 600 microseconds.

The loss deviation with frequency, from 1000 Hz reference, shall not exceed:

Between 500 and 2800 Hz, -0.5dB to +1.5dB

Between 300 and 3000 Hz, -1.0dB to +3.0dB

** 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.

(N)
|
|
(N)

SERIES 3000 CHANNELS**

(N)

B. TERMS AND CONDITIONS (Cont'd)

4. Channel Conditioning Arrangements for Series 3000 Channels (Cont'd)

e. Type D1, High Performance Data Conditioning

Type D1 Channel Conditioning Arrangements provide for the following technical parameters on two-point channels:

Signal to C-Notchd Noised Ratio 24dB

Nonlinear Distortion:

Signal to second order distortion 35dB

Signal to third order distortion 40dB

When a channel equipped with Type D1 Channel Conditioning is utilized for voice communication, the Company does not represent that the channel will be suitable for such voice transmission.

C. RATES

1. Intraexchange Channels

a. Within the same building

Routed through the serving wire center

Each local channel Rates and charges are as specified in b.(2) following.

b. Between Buildings on different premises

(1) Application of Rates

- (a) A local channel is required to connect each station location to its serving wire center.
- (b) Where the service points are different wire center serving areas, an interoffice channel and associated channel terminals are required.
- (c) Where, at the option of the 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.

Line Connection Charges for these Channels are provided in the Company's General Services Tariff, P.S.C. Md.- No.- 203, Section 3 and the Company's Product Guide, Part C, Section 3.

** 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. (N)
|
|
(N)

SERIES 3000 CHANNELS**

(N)

C. RATES (Cont'd)

1. Intraexchange Channels (Cont'd)

b. Between Buildings on different premises (Cont'd)

	Per Month	USOC
(2) Local Channels		1LMFJ
Type 3001B	\$31.05	1L3AJ
Type 3001C	44.99	1LMEJ
Type 3120	506.04	1L3CJ
Type 3122	421.68	(U)
(3) Interoffice Channels		
Mileage, per 1/4 mile or fraction thereof, between the serving wire centers		
All types.....	11.20	(U)
(4) Channel Terminals, all types, each	126.50	2UERA

2. Interexchange Channels

The mileage rates specified following apply for each section of an 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.

a. Mileage, all types

First 25 miles, per mile or fraction thereof.....	47.20	(U)
Next 25 miles, per mile or fraction thereof.....	43.54	(U)
Each additional mile or fraction thereof.....	31.30	(U)

b. Channel Terminals, all types, each..... 151.84 2UEER

Line Connection Charges for these Channels are provided in the Company's General Services Tariff, P.S.C. Md.- No.- 203, Section 3 and the Company's Product Guide, Part C, Section 3.

** 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.

(N)
|
|
(N)

SERIES 3000 CHANNELS**

(N)

C. RATES (Cont'd)

2. Interexchange Channels (Cont'd)

c. Station Terminals each	Per Month	USOC
Type 3001B	\$168.67	1LMCP 1L3AP 1LMDP 1L3CP
Type 3001C	231.76	
Type 3120	506.04	(U)
Type 3122	455.40	(U)

d. Additional connections

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

e. Where service is furnished between contiguous exchanges by
means of facilities extended directly across the exchange
boundary the charges specified for interexchange channels
preceding or the following rates, whichever are the lesser
apply*

Per 1/4 mile or fraction thereof, airline, per channel, between the customer's premises	3.95	
Minimum charge, per channel	15.80	-

3. Channel Conditioning Arrangements For Series 3000 Channels

Channel conditioning charges, as specified following, apply
to the first station at each building.

a. When Associated with Intraexchange Service

Between buildings in the same exchange on
a two-point or multipoint channel, not
arranged for switching, or for a channel
located within the same building:

	Installation Charge	Per Month	
Type C1, each	\$ 22.00	238.92	P2W
Type C2, each	55.00	899.62	P3H

* No longer offered. The existing rates are applicable only to existing
installations of this equipment for the same customer at the same
location.

Line Connection Charges for these Channels are provided in the Company's
General Services Tariff, P.S.C. Md.- No.- 203, Section 3 and the Company's
Product Guide, Part C, Section 3.

** Effective February 13, 2026, this service is no longer available to new (N)
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. (N)

3000 CHANNELS**

(N)

C. RATES (Cont'd)

3. Channel Conditioning Arrangements for Series 3000 Channels (Cont'd)

a. When Associated with Intraexchange Service (Cont'd)

Between buildings in the same exchange on a two-point or multipoint channel, not arranged for switching, or for a channel located within the same building: (Cont'd)

	Installation Charge	Per Month	USOC
Type C4, each (Two-point channel only) ..	\$110.00	1,349.44	P4G
Type C5, each (Two-point channel only) ..	-	166.75	UHD
Type D1, each (Two-point channel only)* .	135.00	134.96	QHA

b. When Associated with Interexchange Service

(1) Between buildings in different exchanges, not arranged for switching:

(a) Two-point Interexchange Channel

Type C1, each.....	22.00	238.92	P2W
Type C2, each.....	55.00	899.62	P3H
Type C4, each.....	110.00	1,349.44	P4G
Type C5, each.....	-	166.75	UHD
Type D1, each*.....	135.00	134.96	QHA

(b) Multipoint Interexchange Channel, for the first connection in a building in each exchange

Type C1, each.....	55.00	477.94	P3G
Type C2, each.....	110.00	1,180.74	P3W

* When Type D1 Channel Conditioning is installed subsequent to the installation of the channel with which it is associated, rates and charges for the installation of a Series 3000, type 3120 or 3122, Channel apply in addition to the rates and charges for Type D1 Channel Conditioning.

Line Connection Charges for these Channels are provided in the Company's General Services Tariff, P.S.C. Md.- No.- 203, Section 3 and the Company's Product Guide, Part C, Section 3.

** 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.

(N)
|
|
(N)

3000 CHANNELS**

(N)

C. RATES (Cont'd)

3. Channel Conditioning Arrangements for Series 3000 Channels (Cont'd)

b. When Associated with Interexchange Service (Cont'd)

(2) Each additional connection of the same channel at a different building, but in the same exchange as the first building

	Installati on Charge	Per Month	USOC
Type C1, each	\$22.00	\$31.49	P3E
Type C2, each	22.00	483.50	P3B
Type C4, each	22.00	49.45	P4H

4. Multipoint Service Arrangements

These arrangements are required where more than two premises are connected to bridging equipment located in a Company wire center.

For types 3120 and 3122 intraexchange channels, per local channel.....	-	241.72	BT8
--	---	--------	-----

5. Other Service Arrangements	39.00	105.12	P9W
-------------------------------	-------	--------	-----

Line Connection Charges for these Channels are provided in the Company's General Services Tariff, P.S.C. Md.- No.- 203, Section 3 and the Company's Product Guide, Part C, Section 3.

** 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.

(N)
|
|
(N)