CHANNEL SERVICES TARIFF

Containing

Regulations and Rates applicable to the furnishing of
IntraLATA Channel Services
for West Virginia
by
Frontier West Virginia Inc.

The names Verizon West Virginia Inc. and Bell Atlantic – West Virginia, Inc. have been changed to Frontier West Virginia Inc. All references throughout this Tariff to Verizon West Virginia Inc. and Bell Atlantic – West Virginia, Inc., "the telephone company" or "the company" shall be read as Frontier West Virginia Inc.

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. 09-0871-T-PC, Dated May 13, 2010.

Frontier West Virginia Inc.

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Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. 11-0625-T-T dated May 11, 2011.

APPLICATION OF TARIFF

A. GENERAL

This tariff applies to Channel Services furnished or made available by Frontier West Virginia Inc., or furnished jointly by said Company and the Participating Companies as specified in this Company's Long Distance Service Tariff, between two or more points within a LATA within the State of West Virginia. The regulations and rates specified herein are in addition to the applicable regulations and rates specified in other tariffs of the Telephone Company. (C)

B. REGULATIONS

1. Explanation of Terms

Channel

A channel is a path, for electrical communication, between two or more points furnished by means of any type facilities over any route the Telephone Company may elect to use.

Channel Terminal

A channel terminal is that portion of a channel service required to connect an interexchange channel in a rate center or an interoffice channel in a wire center.

Duplex Service

Duplex service is service which provides for simultaneous transmission in both directions.

Half-duplex Service

Half-duplex service is service which provides for transmission alternately in either direction, or for transmission in one direction only.

Interoffice Channel

An interoffice channel is that portion of an intraexchange channel service which connects local channels which service customer locations in different wire center serving areas.

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. 11-0625-T-T dated May 11, 2011.

APPLICATION OF TARIFF

B. REGULATIONS (Cont'd)

1. Explanation of Terms (Cont'd)

Local Channel

A local channel is that portion of a channel service required to connect a station location to its serving wire center.

Service Point

A service point is the first connection of a channel in a building.

Service Terminal

A service terminal is the intraexchange portion of an interexchange service.

Station

A station is the point at which the network interface is located.

Station Terminal

A station terminal is that portion of a Channel Service required for connecting an interexchange channel to a station location.

2. Classification of Channels

Channels are classified by Series and further classified within each Series by Types. The various Series and Types are described in terms of characteristics and use.

3. Scope

The Telephone Company has the overall responsibility for Channel Service up to and including the network interface. Service is furnished 24 hours per day, seven days per week.

4. Provision of Facilities

a. Except as otherwise specified in this tariff, it is expressly declared that metallic channel facilities are in decreasing supply and the

APPLICATION OF TARIFF

B. REGULATIONS (Cont'd)

4. Provision of Facilities (Cont'd)

a. (Cont'd)

Telephone Company is not obligated to make such metallic facilities available.

b. When a channel is used for data transmission which requires terminal equipment (data sets) located on the premises of the Telephone Company, such terminal equipment must be provided by the Telephone Company as specified in this Company's General Services Tariff, Section 6 for Central Office Data Sets.

5. Use of Customer's Service

a. Channel service may be used as specified for use of service in this Company's General Regulations Tariff and 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 rule of the Federal Communications Commission to operate stations in the aeronautical mobile and fixed services.

b. Certain channel services may be used for different types of transmission on an alternate use basis. Channel facilities furnished under this tariff may be used for other communication purposes for which they are suited, subject to the provisions stated below and to other provisions of the tariff sections under which the facilities are furnished.

(1) The purpose or purposes for which the Channel Service is to be used must be made known to the Telephone Company prior to such use.

(2) The frequency range, speed and other characteristics of signals transmitted must fall within those specified for the channel furnished.

(3) In case one of the purposes for which the channel facilities are to be used requires a type of channel for which a higher rate applies than for other purposes, the higher channel rate applies, except as provided for in (2) preceding.

c. A channel may be used for different types of transmission simultaneously as provided in (1) and (2) following, in accordance with normal transmission characteristics of such channel.

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. _____ dated _____.

APPLICATION OF TARIFF

B. REGULATIONS (Cont'd)

5. Use of Customer's Service (Cont'd)

c. (Cont'd)

(1) When used for the remote operation of a mobile radiotelephone system, it may be used simultaneously for voice communication and to transmit more than one tone in sequence or simultaneously for control purposes.

(2) When used for control, metering or signaling purposes, it may be used to transmit more than one tone in sequence or simultaneously for such purposes

d. Joint Use

When Channel Service is arranged for joint use, the service may be used for the transmission of communications to or from the joint user and relating directly to the joint user's business.

e. A customer obtaining interexchange Channel Services from this tariff may offer such service, with the exception of Foreign Exchange Service, to others (patrons) for profit provided the customer offering such services to others is a resale carrier certified by the West Virginia Public Service Commission.

6. Obligations of the Customer

a. The customer shall be responsible for making Telephone Company facilities available for maintenance purposes at a time agreeable to both the Telephone Company and the customer. No allowance will be made for the period during which the service is interrupted for such purposes.

b. The service or any rights associated therewith may not be assigned or in any manner transferred.

c. The customer shall be responsible for specifying the type of channel and conditioning to meet their service requirements.

7. Allowance for Interruptions

When service is interrupted due to causes other than the negligence of the customer, or the failure of facilities furnished by the customer, a credit allowance will be made as set forth following for the portion of the service

APPLICATION OF TARIFF

B. REGULATIONS (Cont'd)

7. Allowance for Interruptions (Cont'd)

which is affected. Long Distance Telecommunications Services furnished at the customer's request, when their service is interrupted, are charged for at Long Distance Telecommunications Services rates.

a. Series 1000, type 1150, Series 3000, Series 4000, Series 6000 and Series 11000 Channels

No credit is allowed for interruptions to service of less than 30 minutes. On interruptions to service of 30 minutes or more, the customer is credited with the proportionate part of the monthly contract charge in half-hour multiples for each half-hour or major fraction thereof that the service is interrupted.

b. Series 8000 Channels

When use of facilities is interrupted for two hours or more, credit is allowed for the portion of the facilities affected by the interruption, in hourly multiples for each hour or major fraction thereof of interruption. Credit is allowed in the proportion that the period of interruption bears to the hours in a month. The interruption is measured from the time the customer notifies the Telephone Company of the interruption.

c. Digital Service

Service Guarantee

A Service Guarantee Credit applies to Digital Data Service (DDS) and High Capacity Digital DS1 service. The Telephone Company will credit a portion of the recurring charge for these services when the customer experiences an interruption of service of four consecutive hours or more, where the responsibility for the failure is solely that of the Telephone Company, provided however;

APPLICATION OF TARIFF

B. REGULATIONS (Cont'd)

7. Allowance for Interruptions (Cont'd)

c. Digital Service (Cont'd)

the Service Guarantee Credit will only apply to one occurrence of service interruption of four or more consecutive hours per month, per Digital Data Service (DDS) and High Capacity Digital Service. In the event that there is more than one service interruption of four or more hours on the same circuit, the Service Guarantee Credit does not apply to the subsequent interruptions. For multi-point circuits, the Service Guarantee Credit will apply to each leg of the circuit that experiences a service interruption. The Service Guarantee Credit is applied to the customer bill in addition to any existing credit allowances for DDS and DS1 services as long as it does not exceed the monthly charge. The monthly charge will consist of all applicable rate elements charged to the circuit experiencing a service interruption.

All credit allowances shall begin from the time of notice by the customer, provided the customer releases the service as requested by the Telephone Company to perform testing and maintenance.

Any credit due the customer will be applied to the customer's monthly billing statement. The credit amount will equal 50% of the monthly recurring charge for each leg of the circuit that experiences a service interruption.

8. Quality Assurance

Quality Assurance applies to Digital Data Service (DDS) services. The Telephone Company will credit 100% of the nonrecurring charge for these services when the initial due dates are not met, and where the responsibility for the failure is solely that of the Telephone Company.

The Telephone Company will not be held responsible for and consequently will not provide credit for service due dates missed in the following situations:

a. The customer requests expedited orders.

b. Other Telephone Companies are involved in service installation.

c. The customer's premises is inaccessible.

d. The customer changes interface requirements.

e. The customer is not ready to accept the service.

APPLICATION OF TARIFF

B. REGULATIONS (Cont'd)

8. Quality Assurance (Cont'd)

f. Building facilities are not ready (including space, cable support structures, building risers and facilities to be provided by builder or owner's subcontracted vendors).

g. The customer orders termination beyond the Network Interface.

h. Service installation delays caused by work stoppages, civil disturbances, criminal actions; or by fire, flooding or other occurrence attributed to an Act of God.

i. Special Construction

Any credit due the customer as a result of the Telephone Company's failure to meet the initial due date, other than those reasons listed, will be credited to the customer's monthly billing statement.

9. Connections

a. Customer terminal equipment is connected with Channel Services of this Company as specified following in this Company's Tariffs.

Channels are connected in a network interface. All terminal equipment and wiring necessary to connect to the channels at the network interface is provided by the customer.

b. When a channel is used for teletypewriter transmission such equipment must operate at a line signaling speed not to exceed that specified for the channel facilities furnished.

c. Channel Service, except Series 6000 and 11000, may be connected at the premises of the customer to a telecommunications network line to form a through connection. Such connection shall be through switching equipment provided by the customer.

d. Channel Service, except Series 4000 and 11000, furnished by the Telephone Company may be connected to another channel furnished by the Telephone Company if the forms of electrical communication for which they are being used are the same.

e. All connections will be made through connecting arrangements or switching arrangements provided by the Telephone Company or through switching equipment provided by the customer.

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. _____ dated _____.

APPLICATION OF TARIFF

B. REGULATIONS (Cont'd)

10. Mileage Measurement

a. Intraexchange Channels

(1) For Series 6000 and 8000 Channels, the rate mileage is the airline distance between the centers of the buildings involved.

(2) Interoffice mileage for Series 1000, 2000, 3000 and 4000 Channels is the airline distance, with a fractional 1/4 mile being treated as a whole 1/4 mile, between the wire centers involved. When more than one interoffice channel is required for multipoint service, these channels are furnished in a manner to achieve the shortest combination of distances between the wire centers involved.

b. Interexchange Channels

(1) Except as otherwise specified, rate mileage is the shortest combination of airline distances between rate centers of the service points determined in accordance with this Company's Long Distance Services Tariff, Section 4.

(2) When one or more of the exchanges involved are multizone exchanges, each zone of such an exchange is considered as a separate exchange for the purpose of applying interexchange channel rates.

c. Multipoint Channels

Rate mileage is determined in accordance with a. and b. preceding, except when the customer requests that channels be connected in a specified sequence, rate mileage is the shortest airline distances which will connect the channels in the specified sequence.

SERIES 1000 CHANNELS

A. GENERAL

Series 1000 Channels are unconditioned subvoice channels capable of transmitting signals at rates up to 75 bauds. Channels are furnished for half-duplex or duplex operation on a two-point or multipoint basis.

B. REGULATIONS

1. Channel Types

   a. Type 1001

      A two-wire interface for half-duplex service or a four-wire interface for duplex service engineered for binary signals up to 30 bauds for remote metering, supervisory control and miscellaneous signaling purposes.

   b. Type 1150

      A four-wire interface engineered for binary signals at rates up to 75 bauds, 20 or 62.5 milliamperes d.c. neutral signals* for data, teletypewriter, remote metering, supervisory control and miscellaneous signaling purposes. The customer terminal equipment shall have a transmitted output of no more then 8% telegraph distortion and shall be capable of processing received data signals with up to 35% telegraph distortion.

   The specifications of channel signals and for channel distortion in a. and b. preceding refers to the requirement of the total channel service.

2. Series 1000 Channels are not suitable for the transmission of alternating current tones.

* The Telephone Company has the option of providing 20 or 62.5 milliamperes and will notify the customer of the current level to be supplied. The Telephone 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.

SERIES 1000 CHANNELS

C. RATES

1. Intraexchange Channels

Between Buildings on Different Premises

a. Local Channels

Each Channel between the station location and the serving wire center	Per Month Half-Duplex	Per Month Duplex	
Type 1001	$43.40	$87.78	(I)
Type 1150	$120.28	$104.59	(I)

b. Interoffice Channels

Mileage, per 1/4 mile between serving wire centers			
Type 1001	$5.70	$8.98	(I)
Type 1150	$5.20	$6.90	
Channel terminals, each			
Type 1001	Not Applicable		
Type 1150	$13.54	$13.54	

c. Where, 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. (LA-3)

2. Interexchange IntraLATA Channels

a. Mileage, all Types	Per Month	
Each mile or fraction thereof	$9.13	(I)
b. Channel Terminals, all types, each	$59.02	(I)

Issued by authority of an order of the Public Service Commission of W.Va. in Case No. 23-0495-T-T dated June 21, 2023 effective July 15, 2023

SERIES 1000 CHANNELS

C. RATES (Cont'd)

2. Interexchange IntraLATA Channels (Cont'd)

	Per Month	
c. Station Terminals		
Type 1001, half duplex	$59.78	(I)
Type 1001, duplex	54.94	
Type 1150, half duplex and duplex	49.48	
d. Additional Connections		
In a different building on different premises in the same exchange	Rates and charges are as specified in c. preceding.	

Issued by authority of an order of the Public Service Commission of W.Va. in Case No. 23-0495-T-T dated June 21, 2023 effective July 15, 2023

SERIES 2000 CHANNELS

A. GENERAL

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

B. REGULATIONS

1. Channel Types

Type 2006A - Suitable for connection to Local Exchange Service for Foreign Exchange Service as specified in this Company's Local Exchange Services Tariff, Section 1.

Type 2006B - Suitable for connection to Local Exchange Service for Foreign Zone Service as specified in the Company's Local Exchange Services Tariff, Section 1.

Type 2006C - Suitable for connection to Local Exchange Service for Foreign Central Office Service as specified in this Company's Local Exchange Services Tariff, Section 1.

Type 2011 - A two-wire interface with effective two-wire facilities; suitable for off premises extension of an Exchange Line as specified in this Company's Local Exchange Services Tariff, Section 1, and suitable for off-premises extension of a 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, dial intercommunication or similar systems capable of operating overloops 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 (e.g. 20/40 Dial Pak) which requires that the channel be provided with four-wire facilities.

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No._____dated_____.

SERIES 2000 CHANNELS

B. REGULATIONS (Cont'd)

1. Channel Types (Cont'd)

Type 2041 - Furnished for use as a concentrator connection, as specified in this Company's Local Exchange Services, Tariff, Section 1.

Type 2043 - Furnished for use as a concentrator-identifier trunk.

Type 2045 - Furnished for use as an answering connection, as specified in this Company's Local Exchange Services Tariff, Section 1.

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

2. Channel Types No Longer Offered (LA-3)

a. Channels for Tie Trunk Use

Type 2020 - Furnished to connect two Centrex systems, two branch exchange or similar systems or any two of the preceding systems.

Type 2122 - Furnished as a four-wire interface with four-wire facilities engineered to 10db-VNL net gain for tie trunk use to connect two branch exchange systems.

Type 2123 - Furnished as a four-wire interface with four-wire facilities engineered to 8db-VNL net gain for tie trunk use to connect two branch exchange systems.

Type 2124 - Furnished as a four-wire interface with four-wire facilities engineered to 6db-VNL net gain for tie trunk use to connect two branch exchange systems.

b. Channels for branch exchange or similar equipment

Type 2125 - A two-wire interface with effective two-wire facilities engineered for a 1000 Hz net loss of OdB to 5.5dB.

Type 2126 - A two-wire interface with effective two-wire facilities engineered for a 1000 Hz net loss of OdB to 3.5dB.

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

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No._____dated_____.

SERIES 2000 CHANNELS

B. REGULATIONS (Cont'd)

3. Signaling Arrangements

a. Provision of 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.

b. For Type 2014, 2022, 2125 and 2126 Channels

(1) 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.

(2) 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.

(3) 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.

(4) 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.

c. 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.

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

C. RATES

1. Application of Rates

a. Series 2000, types 2020, 2122, 2123, 2124, 2125 and 2126, Channels are subject to Service Limited Availability classification LA-3.

b. Individual line and branch exchange trunk foreign zone mileage is measured airline from the nearest point of the boundary of the base rate area of the foreign zone to the location of the customer terminal equipment in the normal zone. (LA-3)

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No._____dated_____.

SERIES 2000 CHANNELS

C. RATES (Cont'd)

2. Intraexchange Channels

Between buildings on different premises

a. Application of Rates

(1) Mileage for Type 2006C 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) A local channel is required to connect each station, except Centrex main and fully restricted station, location to its serving wire center.

(3) A local channel is required to connect each customer premises switching equipment location to its serving wire center.

(4) Where the service points are in different wire center serving areas, an interoffice channel and associated channel terminals are required.

(5) For Type 2011 Channels, the rate for a local channel does not apply for connecting the exchange line with the serving wire center.

(6) Where, 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.

(7) Local channels are not required for Series 2000, type 2006C.

(8) All channel charges are waived when PBX service is being extended to a residence located on contiguous property as long as other local exchange service is also being provided to the residence. (N) (N)

SERIES 2000 CHANNELS

C. RATES (Cont'd)

2. Intraexchange Channels (Cont'd)

Between buildings on different premises (Cont'd)

b. Local Channels, each	Per Month	
Type 2011	$51.13	
Type 2014	$67.07	
Types 2020, 2021, 2122, 2123 and 2124	$72.45	
Type 2022 †	$41.27	
Type 2040	$51.95	
Type 2120	$66.71	(I)
Types 2125 and 2126	$46.60	
Type 2043	$19.27	
Type 2045	$20.78	

c. Interoffice Channels

Mileage, per 1/4 mile or fraction thereof, between the serving wire centers		
All types except Type 2006B	$6.56	(I)

d. Channel Terminals, all types, except Type 2006B each $15.72

† In addition to tie trunk terminals, rates and charges apply for an appropriate Signaling Arrangement.

Issued by authority of an order of the Public Service Commission of W.Va. in Case No. 23-0495-T-T dated June 21, 2023 effective July 15, 2023

SERIES 2000 CHANNELS

C. RATES (Cont'd)

2. Intraexchange Channels (Cont'd)

e. Foreign Zone Mileage (Channel Type 2006B)

	Per Month Per 1/2 Mile or Fraction Thereof	USOC	
		1LXBV	
Individual line or branch exchange trunk, each	$18.34	1LXAV	(I)

3. Interexchange Channels

a. Application of Rates

(1) For Series 2000, type 2006A, Channels:

(a) Individual line or branch exchange trunk interexchange mileage is measured airline between rate centers of the normal and foreign exchange.

(b) For Type 2006A Channels between contiguous exchanges, the rates in f. following apply in lieu of the mileage and channel terminal rates in b. and c. following when a lower rate applies for individual line service. An alternate method of measurement is also available if a lower rate results. Measurement can be from the nearest point on the base rate area of the foreign exchange to the location of the customer's terminal equipment in the normal exchange. Rates are as specified in f. following. (LA-3)

(2) The interexchange channel rate mileage is the shortest combination of airline distances between the rate centers of the locations being served and is determined in accordance with Determination of Airline Mileages for Interexchange Channels in this Company's Long Distance Services Tariff, Section 4.

(3) When one or more of the exchanges involved are multizone exchanges, each zone of each such exchange is considered as a separate exchange for the purpose of applying these rates.

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. 19-0895-T-T dated September 18, 2019.

SERIES 2000 CHANNELS

C. RATES (Cont'd)

3. Interexchange Channels (Cont'd)

a. Application of Rates (Cont'd)

(4) 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.

b. Mileage, all types	Per Month	
First 25 miles, per mile or fraction thereof ..	$23.28	(I)
Next 25 miles, per mile or fraction thereof ...	$8.60	
Each additional mile or fraction thereof	$6.15	
c. Channel Terminals, all types, each.....	$116.87	(I)
d. Station Terminals, each*		
Types 2011, 2041, 2043, 2045 and 2120	$37.35	
Types 2014, 2125 and 2126	$38.07	
Type 2022†	$29.18	
Type 2040	$48.39	
All other types	$75.04	

e. Additional Connections, different premises

Rates and charges are as specified for Station Terminal in d. preceding.

* Not applicable for Series 2000, type 2006A, Channels.

† In addition to tie trunk terminals, rates and charges apply for an appropriate Signaling Arrangement for Series 2000, type 2014, Channels.

Issued by authority of an order of the Public Service Commission of W.Va. in Case No. 23-0495-T-T dated June 21, 2023 effective July 15, 2023

SERIES 2000 CHANNELS

C. RATES (Cont'd)

3. Interexchange Channels (Cont'd)

f. Where a Series 2000, type 2006A, Channel is furnished between contiguous areas, the following charge applicable to individual line service applies if it results in lower charges than computed preceding.

	Per Month Per 1/2 Mile or Fraction Thereof	
Individual Line or Branch Exchange		
Trunk, each. . . (LA-3).	$12.17	

4. Signaling Arrangements

	Per Month	
a. Automatic Ringing, for use with Series 2000, type 2120, Channels, per channel.....	$50.12	(I)
b. Arrangement to Convert E & M Signaling to DX Signaling, for use with Series 2000, types 2021, 2120, 2122, 2123 and 2124, Channels, per local channel or station terminal.....	$12.68	
c. Arrangement for Loop Signaling, for use with Series 2000, type 2120, Channels, per local channel or station terminal.....	$19.57	
d. Arrangements for Series 2000, types 2014, 2022, 2125 and 2126, Channels		
(1) Type A	$65.63	
(2) Type B	$31.15	
(3) Type C	$2.37	

Issued by authority of an order of the Public Service Commission of W.Va. in Case No. 23-0495-T-T dated June 21, 2023 effective July 15, 2023

SERIES 3000 CHANNELS

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. REGULATIONS

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.

SERIES 3000 CHANNELS

B. REGULATIONS (Cont'd)

2. Channel Types (Cont'd)

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

Type 3122* - A two-wire interface with effective two-wire facilities engineered for a1000 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 Arrangement 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

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

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No._____dated_____.

SERIES 3000 CHANNELS

B. REGULATIONS (Cont'd)

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

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.

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 D1, High Performance Data Conditioning

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

Signal to C-Notched Noise Ratio 24dB

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No._____dated_____.

SERIES 3000 CHANNELS

B. REGULATIONS (Cont'd)

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

d. Type D1, High Performance Data Conditioning (Cont'd)

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 communications, the Telephone Company does not represent that the channel will be suitable for such voice transmission.

5. Voice Grade Rate Stability Plan

a. Rate Stability Plan

The Voice Grade Rate Stability Plan is available to any customer using Type 3120 Channels who qualifies for the plan's minimum requirements and agrees to the plan's terms and conditions. The minimum service requirements for participation in this plan are: 50 local channels and 400 station terminals; all of the customer's Type 3120 Channel services must be subject to the Voice Grade Rate Stability Plan. The Rate Stability Plan will allow customers to stabilize their rates at current levels for four-wire voice grade services for a period of two years from the installation date of the customer's order with the option by the customer to extend the rate stability period for up to two extensions of six months each. In return for this assurance of rate stability, the customer agrees to guarantee a designated percentage of growth in service as specified in c. following.

b. Rate Stability Plan Services

The only services which will be rate stabilized are the Series 3000, type 3120, Channels meeting the Telephone Company's requirements. The transmission interface specification will only be four-wire. All four-wire services added during the term of the Rate Stability Plan will be subject to the plan for the remaining portion of the rate stability period. However, only the rate elements for Rate Stability listed in C. following will be stabilized.

SERIES 3000 CHANNELS

B. REGULATIONS (Cont'd)

5. Voice Grade Rate Stability Plan (Cont'd)

c. Rate Stability Plan Application

The Rate Stability Plan will only stabilize the channel terminals, station terminals, local channels and mileage recurring rate elements for the customer. The recurring rates for these elements for the service period will be the rates in effect on the service effective date. The currently available rates for the Voice Grade Rate Stability Plan are as specified in C. following. This Rate Stability Plan does not include the rates for Nonrecurring Charges. Full Nonrecurring Charges for future requirements apply to all connects, changes and additions/deletions of circuits according to the rates then in effect.

As specified in a. preceding, the customer guarantees a minimum annual growth in service in local channels and station terminals during the Rate Stability Period of four percent. This minimum annual growth will be measured at each service anniversary date against the initial number of local channels and station terminals converted to the Plan at the service effective date. In addition, the customer guarantees two-percent growth in service, for Local Channels and Station Terminals respectively, for each six-month extension selected.

As part of the rate plan growth guarantee, a deficiency payment will be imposed for any station terminal shortfall as determined at the service anniversary date. The deficiency payment will be comprised of the deficit between actual and agreed upon growth in station terminal numbers times an averaged dollar amount. The averaged dollar amount will be the per month four-wire station terminal rate in effect at the service effective date plus an average per-mile mileage quantity times the rates in effect at the service effective date and annualized. The deficiency payment imposed for any Local Channel shortfall will be calculated in a like manner.

The average portion of the deficiency payment calculation will be determined by the local channel, station terminal and circuit miles relationships at the service effective date.

In the case of a six-month extension, the deficiency payment will be calculated at the end of the extension, using an annual growth rate of four percent per year (that is, two percent for the six-month extension period).

SERIES 3000 CHANNELS

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 c.(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 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.

(2) Local Channels	Per Month	
Type 3001B	$43.76	
Type 3001C	$176.73	(I)
Type 3120	$82.62	
Type 3122	$69.99	

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SERIES 3000 CHANNELS

C. RATES (Cont'd)

1. Intraexchange Channels

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

	Per Month	
(3) Interoffice Channels (Cont'd)		
Mileage, per 1/4 mile or fraction thereof, between the service wire centers		
All types	$6.10	(I)
(4) Channel Terminals, all types, each	$26.31	(I)

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 .	$10.20	
Next 25 miles, per mile or fraction thereof ...	$8.04	
Each additional mile or fraction thereof	$5.73	

b. Channels Terminals, all types, each..... $95.98 (I)

c. Station Terminals

Type 3001B	$45.90
Type 3001C	$72.45
Type 3120	$72.45
Type 3122	$61.13

d. Additional Connections

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

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SERIES 3000 CHANNELS

C. RATES (Cont'd)

2. Interexchange Channels (Cont'd)

e. Providing channels directly between customer locations, i.e., not routed through a wire center, is not in accord with the Telephone Company's general plan for furnishing facilities; however, where, at the option of the Telephone Company, a channel is provided in this manner, the rate is as specified for one local channel of the appropriate type. (LA-3)

3. Channel Conditioning Arrangements for Series 3000 Channels

Channel conditioning charges, as specified following, apply to the first station at each building, except that two channel conditioning charges apply for a channel wholly within one building regardless of the number of connections.

a. When Associated with Intraexchange Service

Between buildings in the same exchange on a two-point or multi-point channel, not arranged for switching, or for a channel located within the same building:	Installation Charge	Per Month	USOC	
Type C1, each	$ 21.09	$15.07	P2W	(I)
Type C2, each	45.84	50.17	P3H	(I)
Type C4, each (Two-point channel only) ..	88.88	78.28	P4G	(I)
Type D1, each (Two-point channel only)* .	114.75	17.72	QHA	(I)

* 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 3002, Channel and associated service terminals apply in addition to the rates and charges for type D1 Channel Conditioning.

SERIES 3000 CHANNELS

C. RATES (Cont'd)

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

b. When Associated with Interexchange Service

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

	Installation Charge	Per Month	USOC	
(a) Two-point Interexchange Channel				
Type C1, each.....	$21.09	15.07	P2W	(I)
Type C2, each.....	45.84	50.17	P3H	(I)
Type C4, each.....	88.88	78.28	P4G	(I)
Type D1, each*.....	114.75	17.72	QHA	(I)
(b) Multipoint Interexchange Channel				
For the first connection in a building in each exchange				
Type C1, each.....	45.84	26.05	P3G	(I)
Type C2, each.....	42.75	73.31	P3W	(I)

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

Type C1, each	18.34	13.10	P3E	(I)
Type C2, each	18.34	50.17	P3B	(I)
Type C4, each	18.34	25.47	P4H	(I)

* 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 3002, Channel and associated service terminals apply in addition to the rates and charges for type D1 Channel Conditioning.

SERIES 3000 CHANNELS

C. RATES (Cont'd)

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

c. Other Service Arrangements	Installation Charge	Per Month	
Arrangements for use on types 3120 and 3122 channels, to provide a net loss of less than 16dB up to and including OdB at 1000 Hz reference, per channel equipped, per receiving location.....	$30.94	$12.66	

4. Rate Stability for Type 3120 Channels

The rates shown below are those applicable to participating Voice Grade Rate Stability Plan customers for Series 3000, Type 3120, channels beginning with March 9, 1989.

a. Intraexchange Channels, each			
(1) Local Channel	-	69.86	
(2) Channel Terminal	-	15.72	
(3) Interoffice Channels Mileage, per 1/4 mile or fraction thereof, between the serving wire centers	-	$6.10	(I)
b. Interexchange Channels			
(1) Mileage			
First 25 Miles, per mile or fraction thereof	-	8.87	
Next 25 Miles, per mile or fraction thereof	-	6.99	
Each Additional Mile or fraction thereof	-	4.98	
(2) Channel Terminals, each	-	53.37	
(3) Station Terminals, each	-	72.45	

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SELECT-A-STATION SERVICE - LA-1

A. GENERAL

Select-A-Station Service consists of Primary and Secondary Data Station Selectors, Series 4000 and Two- and Four- Wire Channels which provide for a voiceband, private line, data multistation, sequential or addressable polling service.

B. REGULATIONS

1. Explanation of Terms

Addressable Arrangement

An addressable arrangement is an arrangement in which the order of connections made by the data station selector from the master location to remote locations is under control of the matter location.

Automatic Step

An automatic step is a data station selector arrangement in which the duration and order of connections are fixed.

Automatic Step with Reset

An automatic step with reset is a data station selector option in which the duration and order of connections are fixed, but the data station selector will reset to the beginning of the connection cycle upon command from the master location.

Controlled Step

A controlled step is a data station selector option which allows the customer to have inservice control over the duration of the connection. However, the order of connections is fixed.

Data Station Selector

A data station selector is a Channel Service device located in a Telephone Company central office which is capable of making connections between a four-wire input and up to 128 (125 for addressable operation) outputs, two-wire or four-wire, one at a time.

SELECT-A-STATION SERVICE - LA-1

B. REGULATIONS (Cont'd)

1. Explanation of Terms (Cont'd)

Master Location

A master location is a customer premises which communicates with each remote location and may control the connections.

Primary Data Station Selector

A primary data station selector is the data station selector which is connected directly to the selector control unit.

Primary Wire Center

A primary wire center is that wire center of a multiwire center exchange or zone of a multi-zone exchange which is designated as such for the purpose of measuring interoffice channel mileages when such interoffice channels are associated with interexchange channels.

Remote Location

A remote location is a customer premises which is connected to the master location by a data station selector.

Secondary Data Station Selector

A secondary data station selector is any data station selector which is connected to a primary data station selector.

Selector Control Unit

A selector control unit is the equipment located at the master location and provided by the customer to transmit control and/or address signals to the data station selectors and receive supervisory signals from the data station selectors.

SELECT-A-STATION SERVICE - LA-1

B. REGULATIONS (Cont'd)

1. Explanation of Terms (Cont'd)

Sequential Arrangement

A sequential arrangement is an arrangement in which the order to connections made by the data station selector from the master location to the remote location is fixed by the assignment of the data station selector output ports at initial installation.

2. Classification of Channels

Series 4000

a. Type 4040

A two-wire interface with effective two-wire facilities for use with customer-provided station equipment to connect master and remote locations with primary or secondary data station selectors.

b. Type 4041

A four-wire interface with effective four-wire facilities for use with customer-provided station equipment to connect master and remote locations with primary or secondary data station selectors.

3. Scope

a. Select-A-Station Service is designed to establish point-to-point connections between a master location and a number of remote locations, one at a time. Direct transmission between remote locations is not possible, neither is simultaneous communications from the master to more than one remote location.

b. A primary data station selector provides the connection between the master location and any one of up to 128 remote locations (125 for addressable operation) via two- or four-wire channels. Where more than one data station selector is required, the data station selector that is directly connected to the master location is termed the primary data station selector. Additional data station selectors, designated secondary data station selectors, may be connected to the primary data station selector. Each additional secondary data station selector connected reduces the capacity of the primary data station selector by one remote location.

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SELECT-A-STATION SERVICE - LA-1

B. REGULATIONS (Cont'd)

3. Scope (Cont'd)

c. A selector control unit will be provided at the master location. The selector control unit is used by the customer to transmit control and/or address signals to the data station selectors and to receive supervisory signals from the data station selectors.

d. Select-A-Station Service arranged for sequential operation requires customer specification, prior to installation, of the order of connections from the data station selector to the remote stations. The customer must also specify one of the following three sequential data station selector arrangements to accommodate customer operating procedures and circuit structure: (1) Automatic Step, (2) Automatic Step with Reset and (3) Controlled Step.

e. A primary data station selector when used for sequential operation must be optioned for controlled step when used in tandem with an secondary data station selector.

f. Select-A-Station Service arranged for addressable operation provides a data station selector arrangement in which the duration and order of connections are variables controlled by the master location.

g. Select-A-Station Service requires the use of equipment and channels, as outlined herein.

h. Alternate voice-data transmission is not available.

i. DC continuity is not provided.

j. The connection of customer-provided terminal equipment at the customer's premises shall meet the specifications set forth in Lucent Technologies Technical Reference PUB 41014, "Data Communications Using DATAPHONE* Select-A-Station Service."

k. A Service Establishment Charge applies for the initial establishment of Select-A-Station Service.

* Registered Service Mark of Lucent Technologies.

SELECT-A-STATION SERVICE - LA-1

C. RATES (Cont'd)

1. Equipment

a. Primary Data Station Selector

(1) Common Equipment	Installation Charge	Per Month	USOC
Sequential Arrangement, each	$281.25	$191.25	DSG
Addressable Arrangements, each	281.25	270.00	D7S
(2) Channel Connector			
Per Type 4040 Channel Connected, each	28.13	3.94	DSK
Per Type 4041 Channel Connected, each	28.13	17.44	DSP

b. Secondary Data Station Selector

(1) Common Equipment			
Sequential Arrangement, each	281.25	191.25	DSQ
Addressable Arrangement, each	281.25	270.00	D7Y
(2) Channel Connector			
Per Type 4040 Channel Connected, each	28.13	3.94	DSR
Per Type 4041 Channel Connected, each	28.13	17.44	DSZ

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SELECT-A-STATION SERVICE - LA-1

C. RATES (Cont'd)

2. Channels

a. Intraexchange

Series 4000 Channels to Connect Stations with Primary or Secondary Data Station Selectors, the Selector Control Unit and a Primary Data Station Selector or a Primary Data Station Selector and a Secondary Data Station Selector:

(1) Local Channels

Each channel between the station location and the serving wire center or the Selector Control Unit and the serving wire center

	Per Month	
Types 4040	$21.34	
Types 4041	$76.56	(I)

(2) Interoffice Channels

Mileage, per channel per 1/4 mile between the wire center serving the station location and the wire center in which the Primary Data Station Selector or Secondary Data Station Selector is located, between the wire center serving the Selector Control Unit and a wire center in which a Primary Data Station Selector is located or between the wire center in which a Primary Data Station Selector is located and wire center in which a Secondary Data Station Selector is located

Types 4040	$2.81
Types 4041	$2.81

(3) Channel Terminals, each $11.08

b. Interexchange

The mileage rates specified below for interexchange mileage apply for each section of an interexchange channel, i.e., between the rate centers of each pair of service points. A channel terminal charge applies in the exchange at each connection of each two-point station.

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SELECT-A-STATION SERVICE - LA-1

C. RATES (Cont'd)

2. Channels (Cont'd)

b. Interexchange (Cont'd)

(1) Interexchange Portion

	Per Month	USOC
(a) Mileage, all types		
First 25 miles, per mile or fraction thereof	$ 6.24	1L6A4 1L6C4
Next 25 miles, per mile or fraction thereof	4.89	1L6A4 1L6C4
Each additional mile or fraction thereof	3.49	1L6C4
(b) Channel Terminals, all types, each	37.69	2UEER

(2) Local Portion

(a) Interoffice Channels

Mileage, per channel per 1/4 mile

Between the primary wire center and a wire center serving a master or remote location or wire center in which a Primary Data Station Selector or Secondary Data Station Selector is located		
Types 4041	2.81	1L6CR
Between a wire center, which is not the primary wire center, in which a Primary Data Station Selector is located and a wire center serving a master or remote location or a wire center in which at Secondary Data Station Selector is located		
Types 4040	2.81	1L6AR
Types 4041	2.81	1L6CR

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SELECT-A-STATION SERVICE - LA-1

C. RATES (Cont'd)

2. Channels (Cont'd)

b. Interexchange (Cont'd)

(2) Local Portion (Cont'd)

(a) Interoffice Channels (Cont'd)

Mileage, per channel per 1/4 mile (Cont'd)

Between a wire center, which is not the primary wire center, in which a Secondary Data Station Selector is located and a wire center serving a master or remote location

	Per Month	
Types 4040	$2.81	
Types 4041	2.81	
Channel terminals, all types each	11.08	

(b) Local Channels

Each channel between a primary wire center and a master or remote station location served by that primary wire center or between a Selector Control Unit or master or remote location and the serving wire center

Types 4040	$21.34	
Types 4041	$76.56	(I)

(3) System Activity Charges

(a) Service Establishment Charge, each $450.00

(b) A Change Charge equal to the installation Charge for the Data Station Selector Unit will apply when changing from one Data Station Selector option to another.

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TELEMETRY ALARM BRIDGING SERVICE

A. GENERAL

Telemetry Alarm Bridging Service is a multistation, voice frequency, Channel Service designed to provide connections between a master location and a number of remote location simultaneously via Series 4000 Channels

B. REGULATIONS

1. Explanation of Terms

Interconnection Location

An interconnection location is one of the remote locations of a Passive Bridging multi-point system at which is located customer owned and maintained regeneration equipment used in conjunction with interconnection of two bridges via an interconnection location channel.

Interconnection Location Channel

An interconnection location channel is the dedicated private line channel of a Telemetry Alarm Bridging Service system connecting each interconnecting location to a secondary bridge. The channel is only applicable cable with Passive Bridging.

Master Location

A master location is the one customer location of a multipoint system located on a customer's premises which communicates with, or receives communications from, each remote location.

Master Location Channel

A master location channel is the dedicated channel of a Telemetry Alarm Bridging Service system connecting the master location to the primary bridge.

Midlink Channel

A midlink channel is the dedicated interoffice and/or interexchange channel of a Telemetry Alarm Bridging Service system connecting two bridges located in separate central offices with each other. This channel is only applicable for Split Band - Active Bridging and Summation - Active Bridging.

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TELEMETRY ALARM BRIDGING SERVICE

B. REGULATIONS (Cont'd)

1. Explanation of Terms (Cont'd)

Primary Bridge

A primary bridge is the bridge which is connected directly to the master location via the master location channel.

Remote Location

A remote location is one of the many customer locations of a multipoint system located on a customer's premises which is connected to the master location via the applicable Telemetry Alarm Bridging Service arrangement.

Remote Location Channel

A remote location channel is the dedicated channel of a Telemetry Alarm Bridging Service system connecting each remote location to its bridge.

Secondary Bridge

A secondary bridge is any bridge in a Telemetry Alarm Bridging Service system which is connected to a primary bridge via a midlink channel or interconnection location channel.

2. Availability of Service

Telemetry Alarm Bridging Service is offered in the following arrangements.

a. Passive Bridging

Passive Bridging is a bridging arrangement providing for a two-wire, master location or interconnection location channel, common port and multiple two-wire, remote location ports intended for data or tone signaling arrangements. Two-way, polling, communications between the master location and each remote location is intended.

TELEMETRY ALARM BRIDGING SERVICE

B. REGULATIONS (Cont'd)

2. Availability of Service (Cont'd)

b. Split Band - Active Bridging

Split band - active bridging is a bridging arrangement providing for a four-wire, master location or midlink channel, frequency split common port and multiple two-wire remote location ports intended for application in multipoint voice frequency, data or tone signaling arrangements. Two-way, polling, communication between the master location and each remote station is intended.

c. Summation - Active Bridging

Summation - active bridging is a bridging arrangement providing for a two-wire, master location or midlink channel, common port and multiple two-wire, remote location, ports intended for tone signaling arrangements. One-way communication from each remote location to the master location is intended.

3. Limitations of Service

a. No more than 128 remote locations may be connected to a master location over an individual Split Band - Active Bridging or Summation - Active Bridging system.

b. There is no limit on the number of remote locations that may be connected to a master location when using Passive Bridging. Customers may choose to tandem passive bridges using customer-provided regenerators and interconnection location channels. However, the Telephone Company considers each passive bridge and its associated channels as an independent multipoint system. The Telephone Company assures transmission only within each passive bridge system.

c. In Split Band - Active and Summation - Active Bridging arrangements, secondary bridges must be directly connected to the primary bridge via midlink channels. Secondary bridges cannot be connected through other secondary bridges to allow additional layers of tandeming.

d. Secondary bridges, utilized in Split Band - Active Bridging arrangements, reduce the two-wire remote location capacity of the primary bridge. The initial secondary bridge reduces the primary bridge capacity by 12 two-wire remote location connections. Each subsequent secondary bridge reduces the primary bridge capacity by four additional two-wire remote location connections.

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TELEMETRY ALARM BRIDGING SERVICE

B. REGULATIONS (Cont'd)

3. Limitations of Service (Cont'd)

e. Each secondary bridge, utilized in Summation - Active Bridging arrangements reduces the two-wire remote location capacity of the primary bridge by one.

f. Standard multipoint bridging charges as provided in other sections of this tariff are not applicable to Telemetry Alarm Bridging Service.

g. Direct transmission between remote locations 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.

C. RATES

1. Split Band - Active Bridging

	Installation Charge	Per Month	USOC
a. Common Equipment, per central office, each			
(1) First bridging shelf, capacity of 48 two-wire connections	$562.50	$112.50	XW1
(2) Additional bridging shelf, capacity of 56 two-wire connections, each			
Initial installation	225.00	33.75	XW8
Subsequent installation	450.00	90.00	XW2
b. Channel Connections, per channel connected			
(1) Remote location channel connection, each	15.75	4.50	XW3
(2) Midlink channel connection, each			
First channel	56.25	7.88	XW4
Subsequent channels, each	56.25	7.88	XW5

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TELEMETRY ALARM BRIDGING SERVICE

C. RATES (Cont'd)

2. Passive Bridging

	Installation Charge	Per Month	USOC
Common Equipment, per central office each bridge, capacity of ten two-wire connections.....	$ 56.25	$ 42.75	XW6

3. Summation - Active Bridging

Common Equipment, per central office first or additional bridging shelves, capacity of ten two-wire connections, each.....	112.50	112.50	XW7

4. Channels

The rates and charges are as specified for Series 4000 Channels in Section 5 preceding.

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SERIES 5000 CHANNELS

The regulations and rates pertaining to Series 5000 Channels are hereby canceled and withdrawn.

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SERIES 6000 CHANNELS

A. GENERAL

Series 6000 Channels are furnished for one-way program transmission in connection with loudspeakers and sound recording.

B. REGULATIONS

1. Explanation of Terms

a. Bridging Connection

A bridging connection is amplifying equipment and services required to connect a station, or an interexchange channel serving a station, at an intermediate point on an interexchange network, or to connect an additional station at a terminal point of an interexchange channel.

b. Distributing Center

A distributing center is amplifying and bridging equipment at Telephone Company premises where program transmission channels, used in connection with loudspeakers, are interconnected to form a network for distribution of program material to a number of loudspeaker locations.

c. Equalization

Equalization is a procedure applied to a program transmission channel so that the component frequencies of the program material transmitted have about the same relationship at the two ends of the channel.

d. Local Channel

A local channel is that portion of a Series 6000 Channel service furnished for audio transmission within an exchange area as follows.

(1) When no distributing centers are required; between the studio and a station, between studios, or between a studio or station and the point of connection with an interexchange.

(2) When one or more distributing centers are required; between the studio and the first distributing center, between distributing centers, between a distributing center and each station served therefrom, or between a studio or distributing center and the point of connection with an interexchange channel.

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SERIES 6000 CHANNELS

B. REGULATIONS (Cont'd)

1. Explanation of Terms (Cont'd)

e. Station Connection

A station connection is amplifying equipment and services which may be required when a program is transmitted to or received from an interexchange channel or network.

f. Studio

A studio is premises, under the customer's control and arranged so as to prevent access by unauthorized persons where program material originates or is received for transmission to a program transmission channel.

2. Interexchange Channels, Station and Bridging Connections

a. Type 6003

Provides for the continuous use of music distribution facilities, without special operation and supervision, for the transmission of audio within the approximate frequency range of 200 to 3,500 Hertz (Hz). Transmission factors permit the satisfactory transmission of the above frequency range only over limited distances. Type 6003 covers the provision of interexchange channel facilities and services, including the necessary bridging connections.

b. Type 6005

Provides for the continuous use of music distribution facilities, with special operation and supervision, for the transmission of audio within the approximate frequency range of 100 to 5,000 Hz. Type 6005 covers the provision of interexchange channel facilities and services, including such station connections as may be required.

3. Mileage Measurement

Local Channels

a. The local channel mileage is the airline distance in quarter miles (fractional quarter miles being considered as full quarter miles) measured between points specified in 1.d. preceding.

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SERIES 6000 CHANNELS

B. REGULATIONS (Cont'd)

3. Mileage Measurement (Cont'd)

b. For pricing purposes, each channel or segment of a network is measured separately and the mileage for the network is the sum of the mileages so determined, with the first quarter charge applying only once on a network.

C. RATES

1. Local Channels

a. Local Channels, per channel	Per Month: First 1/4 Mile	Per Month: Each Add'l 1/4 Mile	USOC
Nonequalized.....	$ 8.55	$3.71	1LGRR
Equalized			
Approximate Frequency Range			
100 to 5,000 Hz	9.56	4.61	1LG5R
50 to 8,000 Hz	10.18	4.78	1LG8R
50 to 15,000 Hz	10.91	5.57	1LG1R

b. Equalization Charge	Installation Charge	USOC
Equalization, one channel, or two channels between the same points and equalized at the same time.....	$28.97	GT7

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SERIES 6000 CHANNELS

C. RATES (Cont'd)

2. Interexchange Channels, Station and Bridging Connections*

Type 6003	Per Month	USOC
Interexchange Channel, per mile or fraction thereof	$ 11.42	1LGN4
Bridging Connection, each (LA-3)	61.31	5FT
Type 6005		
Interexchange Channel, per mile or fraction thereof	20.59	1LGJ4
Station Connection, each (LA-3)	270.00	SK5PG

3. Distributing Center (LA-3)

a. Each channel connecting a station of a distributing center	6.13†	67R

b. Establishment of a Distributing Center

A charge of $358.88 applies for the establishment of a distributing center.

* Where short lengths of interexchange channels between service points are involved, bridging or station connections may not be required for satisfactory transmission.

† Subject to a minimum charge of $36.00 per month for each distributing center, but not applicable for the channel connecting the customer's studies and a distributing center.

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. _____ dated _____.

SERIES 8000 CHANNELS

A. GENERAL

Series 8000 Channels are wideband data channels having a maximum equivalent digital capability of 19.2 kilobits per second and are designed for high speed data or facsimile transmission only. Channels are furnished for half-duplex or duplex operation on a two-point basis between points wholly within an exchange or a zone of a multi-zone exchange.

B. REGULATIONS

1. Scope

These channels will be connected only at a customer's premises.

2. Use and Connection of Channels

These channels may not be arranged for use as individual voice grade channels.

These channels may not be connected with the telecommunications network, or with facilities furnished for any other classification of private line service or channel. However, these channels may be connected with comparable interstate services through switching equipment provided by the Telephone Company on the premises of the customer, when the wideband data channel is connected to Terminal Equipment Arrangements for Switched Services specified in following.

3. Minimum Revenue Guarantee

Terminal Equipment Arrangements for use with these channels are subject to a minimum revenue guarantee of 12 months.

4. Provision of Equipment

Data processing equipment for data transmission purposes shall be provided by the customer. Such equipment shall be connected to Series 8000 Channels through Terminal Equipment Arrangements provided by the Telephone Company as specified in 7. following.

5. Creation of Additional Channels

The customer may not create additional channels from Series 8000 Channels furnished under this section.

SERIES 8000 CHANNELS

B. REGULATIONS (Cont'd)

6. Channels for Coordination

The Terminal Equipment Arrangements as specified in 7. following may be arranged to connect a Series 2000 or Series 3000 Channel for coordination purposes. Such channels must be ordered separately as specified elsewhere in this tariff.

7. Terminal Equipment Arrangements

Terminal Equipment Arrangements to accommodate the transmission of sequential synchronous signals are as follows:

Type 8901 (Sequential Synchronous)
For transmission at the rate of 19,200 bits per second.

C. RATES

1. Intraexchange Channels

Type 8900, half-duplex or duplex operation, between buildings on different premises, per channel*	Per Month	USOC
First mile or fraction thereof.....	$469.13	1LKAS
Each additional 1/4 mile or fraction thereof.....	24.75	1LKAR

2. Terminal Equipment Arrangement, each	Installation Charge		
Type 8901.....	$304.88	246.38	1HS

* Mileage is measured airline between buildings.

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. _____ dated _____.

SERIES 8000 CHANNELS

c. RATES (Cont'd)

3. Relocation Charges

When any of the equipment specified in 2. preceding is relocated, the customer may elect:

To pay monthly charges for the unexpired portion of the twelve-month minimum revenue guarantee period with an Installation Charge being applicable and a new 12-month minimum revenue guarantee period beginning at the new location or,

To continue service subject to the unexpired portion of the minimum revenue guarantee period and pay charges based on the estimated costs of relocating such equipment, provided that the customer requests this option prior to ordering the equipment relocated.

SERIES 10000 CHANNELS

A. GENERAL

Series 10000 channels (Entrance Facilities) are furnished by the Telephone Company for the purposes of extending customer-provided communications systems to a premises of the customer. Channels are furnished for half-duplex or duplex operation on a two-point basis.

Type 10001 - Approximate bandwidth of 300-3000 Hertz. 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, 2000 and 3000 channels.

B. REGULATIONS

Type 10001

1. These channels are furnished by the Telephone Company to extend a customer-provided communications channel, voice grade or less, to a customer service point located 25 airline miles or less from the point at which the customer-provided communications channel is connected to the Telephone Company entrance facility.

2. Type 10001 channels may be connected:

   a. With customer-provided channels of voice grade or less.

   b. At the customer premises to customer-provided transmitting and receiving terminal equipment or to customer-provided communications systems for the purpose of communicating with transmitting and receiving terminal equipment located on the premises.

   Note: The connections specified in a. and b. preceding shall be through connecting arrangements furnished, installed and maintained by the Telephone Company.

C. RATES

Upon written application, Type 10001 Channels, including the required connecting arrangement(s), will be provided as specified for Special Equipment and Service Arrangements in this Company's General Regulations Tariff.

SERIES 11000 CHANNELS

A. GENERAL

Series 11000 Channels, types 11080 and 11081 are unconditioned channels furnished for data use on a two-point basis. Each channel, consisting of two or four metallic conductors (one- or two-wire pairs), is capable of accommodating direct current (dc) transmission.

B. REGULATIONS

1. Service Limitations

a. Series 11000 Channels will be furnished only to connect locations within the same wire center serving area and where the total route mileage of the channel does not exceed six miles.

b. Series 11000 Channels will be furnished only where operating and facility conditions permit.

c. The Telephone Company does not guarantee the continued availability of Series 11000 Channels furnished, and reserves the right, after 30 days written notice to the customer, to discontinue the provision of such channels when required by changes in any of the facilities, operations or procedures of the Telephone Company.

2. Basic Parameters and Specifications

	Specification or Limit	
Basic Parameters	Nonloaded Channel	Loaded Channel
Channel Interface and Restrictions	As specified in applicable Technical Reference.	As specified in applicable Technical Reference.
DC Resistance	Shall not exceed 3060 ohms.	Shall not exceed 3150 ohms.
Attenuation Distortion	The attenuation distortion with respect to 1000 Hertz loss when connected in 135 ohms shall not exceed an additional 9db at 2400 Hertz, 20db at 4800 Hertz and 33db at 9600 Hertz.	

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. _____ dated _____.

SERIES 11000 CHANNELS

B. REGULATIONS (Cont'd)

2. Basic Parameters and Specifications (Cont'd)

Basic Parameters	Specification or Limit Nonloaded Channel	Loaded Channel
Attenuation Distortion (Cont'd)		
	The attenuation distortion with respect to 1000 Hertz loss when connected in 600 ohms shall not exceed an additional 12db at 2400 Hertz, 25db at 4800 Hertz and 40 db at 9600 Hertz.	The attenuation distortion with respect to 1000 Hertz loss when connected in 600 ohms shall not exceed an additional 3 db at 2400 Hertz.
Noise	As measured with appropriate noise measuring equipment with 50 Hertz to 25,000 Hertz weighting network.	As measured with appropriate noise measuring equipment with C-message weighting network.
Background	When connected in 135 ohms shall not exceed -53dbm.	
	When connected in 600 ohms shall not exceed -59dbm.	When connected in 600 ohms shall not exceed -70dbm.
Impulse	When connected in 135 ohms shall not exceed 7 counts in 15 minutes above a threshold of -37dbm.	
	When connected in 600 ohms shall not exceed 7 counts in 15 minutes above a threshold of -43dbm.	When connected in 600 ohms shall not exceed 15 counts in 15 minutes above a threshold of -31dbm.

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. _____ dated _____.

SERIES 11000 CHANNELS

B. REGULATIONS (Cont'd)

2. Basic Parameters and Specifications (Cont'd)

<table>
<tr><th rowspan="2">Basic Parameters</th><th colspan="2">Specification or Limit</th></tr>
<tr><th>Nonloaded Channel</th><th>Loaded Channel</th></tr>
<tr><td>Attenuation Loss</td><td>The 1000 Hertz loss when connected in 135 ohms shall not exceed:

Maximum end-to-end facility length in route miles / Maximum attenuation loss at 1000 Hertz, in db
1 — 9.0
2 — 13.5
3 — 17.0
4 — 20.0
5 — 23.0
6 — 25.5
(Attenuation is measured between 135-ohm resistance connections)

The 1000 Hertz loss when connected in 600 ohms shall not exceed 21db.</td><td>The 1000 Hertz loss when connected in 600 ohms shall not exceed 15db.</td></tr>
</table>

3. Channel Types

Type 11080, a two-wire interface with two-wire facilities.

Type 11081, a four-wire interface with four-wire facilities.

4. Terminal Equipment (data set) Requirements

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.

5. Channel Modification

The Telephone Company will remove load coils to meet the channel specifications selected by the customer. The rates for such channel modifications are as specified in C.2. following.

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. _____ dated _____.

SERIES 11000 CHANNELS

C. RATES

1. Channels

Between different buildings on the same or different premises routed through the serving wire center*

	Per Month	USOC	
Each channel between the station location and the serving wire center			
Types 11080	$24.77	1L6GJ	(I)
Types 11081	42.04	1L6GJ	(I)

2. Channel Modification Charges

Removal of Load Coils

First Pair MODIFIED	Charges	
First point unloaded	$1202.63	-
Each additional point unloaded	365.63	-
Each Additional Pair Modified at the Same Points and the Same Time as the First Pair		
Per point unloaded	56.81	-

* Providing channels directly between customer locations, i.e., not routed through a wire center, is not in accord with the Telephone Company's general plan for furnishing facilities, however, where, at the option of the Telephone Company, a channel is provided in this manner, the monthly rate is equivalent to one channel, of the appropriate type, between the station location and the serving wire center.

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. 03-1175-T-T dated 8-14-03.

DIGITAL DATA SERVICE

A. GENERAL

Digital Data Service is furnished for the simultaneous two-way transmission of digital signals at synchronous speeds of 2.4, 4.8, 9.6, 19.2, 56 or 64 kilobits per second (Kbps). Service is provided to the customer for the transmission of communications to or from any station via a local channel.

B. REGULATIONS

1. Explanation of Terms

Channel Service Unit

Channel service units are standard interfaces provided by the customer which accomplish such functions as network protection, signal shaping, loop equalization and maintenance testing capability. It delivers to, and accepts from, the customer's data terminal devices, serial balanced bipolar signals through an interface connector. The channel service unit or equivalent must be designed, manufactured and maintained to conform with the specifications contained in the appropriate Telephone Company technical reference material.

Local Channel

A local channel is a path for digital transmission, furnished within the digital serving area between a digital equipped central office and a customer's station.

Channel Mileage

Channel mileage is the distance between central offices of customer stations. Mileage is measured airline distance between central offices that are not normally served from the digital equipped central office providing Digital Data Service or between an end office and the digital equipped central office when one or more of the stations are normally served by the digital equipped central office.

2. Availability of Service

Digital Data Service can only be provided from central offices equipped for Digital Data Service subject to the technical limitations of such equipment and availability of suitable facilities.

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. _____ dated _____.

DIGITAL DATA SERVICE

B. REGULATIONS (Cont'd)

3. Provision of Service

a. Service is provided to the customer for the transmission of communications to or from any station via a local channel.

b. The service options available to the customer are as follows.

(1) One-station Service

This service may consist of one local channel line furnished between a customer station and a central office equipped for Central Office Local Area Network Service.

(2) Two-station Service

This service consists of local channels and channel mileage, where required, for service between two stations.

(3) Multistation Service

This service consists of local channels and channel mileage, where required, for service between three or more stations. A multistation arrangement requires each station to be routed to the nearest Digital Data Service hub. Multistation service is not offered in conjunction with Digital Data Service at a speed of 64 Kbps.

A Multistation Arrangement is required, per station, to provide this service.

4. Creation of Additional Bit Streams

Customers, by use of their own channel derivation equipment, may create digital bit streams from a Digital Data Service. This equipment may be connected at the customer's premises with the telecommunications network and Channel Services for the transmission of such bit streams over these facilities.

5. Suspension of Service

Digital Data Services may be suspended at the request of the customer without cancellation at any time after the initial contract period, subject to the following.

DIGITAL DATA SERVICE

B. REGULATIONS (Cont'd)

5. (Cont'd)

a. Service will be suspended for a period of not less than two weeks and not more than six months.

b. One-half of the monthly charge that would apply if the service was not suspended applies during the periods of suspension.

c. Services with initial contract periods greater than one month will have their initial contract periods extended a number of months equal to the suspension period.

6. Connections

Customer-provided terminal equipment and customer-provided communications systems may be connected with facilities furnished for a Digital Data Service by the Telephone Company at the premises of the customer.

7. Termination Liability

a. A termination liability payment is applicable when a service is disconnected, in full or in part, prior to the end of the termination liability period or when the customer fails to comply to the required conditions, except as set for in 8. following.

b. Termination liability will be computed as follows:

For discontinued service, the customer will be liable for 100% of the total monthly charges for any unexpired portion of the initial 12 months.

8. Termination Without Liability

a. A Termination Liability may be cancelled should the applicable tariff rates increase.

b. Termination liability is not applicable if the customer requests to upgrade service to a higher speed and meets all of the following conditions:

(1) The new service is provided between the same locations as the disconnected service.

(2) The service orders for disconnecting the existing service and connecting the new service are received by the telephone company at the same time, with the same due dates.

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. _____ dated _____.

Frontier West Virginia Inc.

DIGITAL DATA SERVICE

C. RATES

1. Ten or Less Circuits

a. Local Channels, each** (C)

Transmission Speeds	Service Establishment Charge	Per Month	Termination Charge	USOC	
2.4 Kbps.....					(O)
4.8 Kbps.....					
9.6 Kbps.....					
19.2 Kpbs.....					
56 Kbps.....					
64 Kbps.....					(O)

b. Channel Mileage** (C)

Transmission Speeds	Per Month		
	Fixed Charge	Per Mile*	
2.4 Kbps.....			(O)
4.8 Kbps.....			
9.6 Kbps.....			
19.2 Kbps.....			
56 Kbps.....			
64 Kbps.....			(O)

2. More Than Ten Circuits or Multipoint

Rates and charges are as specified for Special Equipment and Service Arrangements in this Company's General Regulations Tariff. For each such offering, the Telephone Company will file a supplemental rate schedule in this Section, at least 14 days prior to the proposed effective date, stating the identity of the customer, the applicable rates and charges, and any terms, conditions and/or regulations that differ from those contained in this tariff.

	Per Month	
3. Multistation Arrangement, per station**.....		(C)(O)

* Mileage is measured airline distance between the serving central offices of each station.

** Rates Deregulated. (N)

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. 04-0292-T-PC dated 8/10/04.

HIGH CAPACITY DIGITAL SERVICE - DS1

A. GENERAL

High Capacity Digital Service - DS1 is furnished on either a two-point basis between customer premises, between another DS1-type service provided in a Telephone Company central office and a customer premises, or between central offices for connection to other DS1 type services. This service provides a full duplex, serial, bipolar, isochronous, digital transmission facility at a nominal 1.544 Megabit per Second (MBPS) rate.

B. REGULATIONS

1. Provision of Service

High Capacity Digital Service - DS1 consists of either:

a. Two Channel Terminations, when both locations are served by the same wire center

b. Two Channel Terminations and interoffice mileage, when the locations are served by different wire centers

c. One Channel Termination, when the DS1 connects from the customer location to High Capacity DS1 services provided at the serving wire center

d. One Channel Termination and interoffice mileage, when the wire center providing the High Capacity DS1 services is not the local serving wire center

e. Interoffice Channel Mileage, when High Capacity Digital Service connects the High Capacity DS1 services provided at different central offices.

2. Availability of Service

High Capacity Digital Service - DS1 is available via different types of facilities including: copper cables, fiber optic cables, microwave radio, etc. A customer's preference for a particular type of facility may be provided under Special Construction charges, as specified in the General Services Tariff, Section 2. In some areas the Telephone Company may deploy redundant facilities. A customer may request special construction to provide such redundant facilities where they have not been deployed to their location as of the time of their service request.

3. Interface and Performance Specifications

High Capacity Digital Service - DS1 provides an electrical four-wire interface at the customer's premises that complies with Bellcore Technical Publication TR 000054. Performance will be better than an Error Free Second rate of 99.0% over a 24-hour period. The customer's signal must comply with TR000054, and he/she will be required to provide a suitable termination device - Channel Service Unit or equivalent.

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. _____ dated _____.

HIGH CAPACITY DIGITAL SERVICE - DS1

B. REGULATIONS (Cont'd)

4. Mileage Measurement

Mileage for Interoffice Channel Miles is measured airline distance between the serving wire centers.

5. Minimum Revenue Guarantee

Rates for DS1s provided under contract are as specified in C. for various demand and durations. The Clear Channel and ESF options have no monthly recurring charge and only have nonrecurring charges when these features are added to an existing DS1 system. Service provided under this tariff is subject to a minimum revenue guarantee of two months of recurring charges.

For circuits under contract discontinued prior to the end of the first year of the contract period, the customer will be liable for 100% of the total monthly charges at the then prevailing rate for the unexpired portion of the first year of the facility contract. In addition, the customer will be liable for 15% of the channel termination rate and 30% of the mileage rate for the remainder of the contract. For services discontinued after the first year, the customer will be liable for 15% of the channel termination rates and 30% of the mileage rates for the remainder of the contract period. Circuits remaining will either shift to a different plan or remain in the same plan as appropriate.

Customers may avoid termination penalties when moving DS1 services within the LATA or upgrading to another Telephone Company service as long as: 1. they are replacing other Telephone Company channels with an equal or higher channel capacity than those disconnected, and 2. they pay the appropriate nonrecurring charges to establish the new service, and 3. the new service is ordered at the same time as the service being disconnected, and 4. the term plan of the new service be of equal or greater length than the remaining commitment period of the service being disconnected.

C. RATES

	Installation Charge	Per Month	
1. Channel Terminations*.....			(C)(O)

	Per Month		
	Fixed	Per Mile	
2. Interoffice Mileage*.....			(C)(O)

* Rate Deregulated. (N)

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. 04-0292-T-PC dated 8/10/04.

HIGH CAPACITY DIGITAL SERVICE - DS1

C. RATES (Cont'd)

3. Contract Pricing - Each rate is on a per circuit basis

a. Plan 1 - 1-2 Circuits*

	Service Establishment Charge	Per Month
Channel Terminations		
1-Year Plan		
3-Year Plan		
5-Year Plan		

	Per Month	
Mileage	Fixed	Per Mile
1-Year Plan		
3-Year Plan		
5-Year Plan		

b. Plan 2 – 3 or More Circuits* (C)

	Service Establishment Charge	Per Month
Channel Terminations		
1-Year Plan		
3-Year Plan		
5-Year Plan		

	Per Month	
Mileage*	Fixed	Per Mile
1-Year Plan		
3-Year Plan		
5-Year Plan		

4. Options

a. Clear Channel*..... -

b. Extended Superframe*..... -

* Rate Deregulated.

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. 04-0292-T-PC dated 8/10/04.

HIGH CAPACITY DIGITAL SERVICE - DS1

C. RATES (Cont'd)

5. Moves

a. When a customer or user requests a move or relocation of a Channel Termination, with no interruption of service, this move or relocation will be treated as a termination for the existing service and the establishment of a new service for the application of all charges.

b. When a customer or user requests a move of a Channel Termination, on the same property in the same building, and accepts an interruption to the service, incident to the work involved, a charge equal to the estimated costs incurred by the Telephone Company will apply.

JOINT USE ARRANGEMENTS

A. GENERAL

A Joint Use Arrangement is a service whereby individuals, firms or corporations are permitted to use interexchange Channel Service of a customer.

B. REGULATIONS

1. Explanation of Terms

Joint User

A joint user is an individual, firm or corporation who is designated by the customer as a user of a Channel Service of the customer and to whom a portion of the charge for the service will be billed.

2. Scope

a. Joint Use Arrangements are furnished only on Series 1000, 2000 and 3000 Channels which do not utilize, in whole or in part, Series 6000 or 10000 Channels.

b. Joint User Arrangements are furnished only on such Channel Services which are provided on a 24 hours per day, seven days per week basis.

c. Joint Use Arrangements are furnished only in connection with such Channel Services for which the customer has a regular and continuing requirement for the origination and termination of the customer's own communications.

3. Basis of Provision

A joint user must have station equipment and a station terminal on the service being jointly used and the station equipment must be located on the premises of the joint user.

Where the joint use is for the purpose of utilizing additional channels created by the customer from a channel furnished for data transmission, a station terminal on the service being jointly used is not required, however, the joint user must subscribe to a channel between the joint user and customer locations.

4. Responsibility of the Customer

The customer shall be responsible for the manner in which the joint use of the service is allocated. Orders which involve the start, rearrangement or discontinuance of service will be accepted by the Telephone Company only from the customer.

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. _____ dated _____.

JOINT USE ARRANGEMENTS

B. REGULATIONS (Cont'd)

5. Billing Arrangements

All charges for Channel Service, including the charge for the joint use arrangement, will be computed as though the service were to be billed to the customer. The customer and each joint user will be billed for the components of the service which are furnished exclusively to each of them for their individual use. The charges for components of the service which are jointly used will be allocated for billing purposes in accordance with percentages of use specified by the customer. The specified percentages shall remain in effect for a minimum of one month and such percentages on file on the first day of the customer's billing cycle will be used in computing that month's billing.

6. Responsibility of the Joint User

Without affecting the customer's ultimate responsibility for payment for all charges for the service, each joint user shall be responsible for the payment of the charges billed to them in accordance with 5. preceding.

Each joint user shall also be responsible for adhering to applicable regulations and rate specified in other tariffs of the Telephone Company.

C. RATES

1. When a channel is associated with a service for which joint use charges are applicable, the following Joint Use Arrangement Charges are not applicable.

	Per Month	USOC
2. Joint Use Arrangement		
Per joint user per interexchange channel service so arranged.....	$12.49	JNP
Per station terminal used to meet the communication requirements of each joint user.....	16.59	JNS

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. _____ dated _____.

HIGH CAPACITY DIGITAL SERVICE – DS3

A. GENERAL

A High Capacity DS3 channel is a digital channel for simultaneous two-way transmission of serial, bi-polar, return-to-zero isochronous digital signals at a speed of 44.736 Megabits Per Second (Mbps). The actual bit rate and framing formats are a function of the channel interface selected by the customer. Service is furnished on either a two-point basis between customer premises, or between another DS3-compatible service provided in a Frontier West Virginia Telephone Company central office (wire center) and a customer premises or between central offices for connection to other DS3-compatible services. (C)

B. REGULATIONS

1. Provision of Service

   a. A Channel Termination, when used at a transmission speed of 44.736 Megabits Per Second, is a path for digital transmission furnished between the serving wire center and the customer's premises.

   b. High Capacity Digital Service-DS3 will consist of one of the following configurations:

      (1) Where both customer-designated premises are served by the same wire center the service will consist of two Channel Terminations only.

      (2) Where both customer-designated premises are served by different wire centers the service will consist of two Channel Terminations and Channel Mileage between the wire centers involved.

      (3) Where the High Capacity Digital Service-DS3 connects a customer designated premises to central office services provided with DS3 interface (e.g., SONET) located in a serving wire center, the service will consist of one Channel Termination, and Channel Mileage as applicable.

      (4) Where the High Capacity Digital Service-DS3 interconnects separate central office services provided with DS3 interfaces located in separate serving wire centers, the service will consist of Channel Mileage only.

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. 11-0625-T-T dated May 11, 2011.

HIGH CAPACITY DIGITAL SERVICE – DS3 (N)

B. REGULATIONS (Cont'd)

2. Availability of Service

High Capacity Digital Service-DS3 is available throughout Verizon West Virginia, where facilities exist. At its discretion, the Telephone Company may deploy different types of transmission technology and, in some areas, use redundant facilities to provide this service. Should a customer specifically request a type of technology other than what the Telephone Company might normally use to provision this service, Special Construction charges as stipulated in the General Regulations Tariff, P.S.C. No. 201, apply. Should a customer request the use of wire centers or redundant facilities in areas where they are not available at that time, Special Construction charges apply.

3. Interface and Performance specifications

The High Capacity DS3 (44.736 Mbps) Service is provided on digital optical equipment and lightwave facilities selected by the Telephone Company, and is provided only through serving wire centers equipped to furnish such service. At the customer designated premises, an optical fiber interface and digital optical equipment convert the signal from optical to electrical. This service may also be provided to a Customer with an optical interface at the Customer’s premises. A separately fused, non-switched controlled, single power outlet must be provided by the customer at the customer designated premises.

Technical standards are defined in Bellcore Technical Reference TR-NPL-000054, TR-TSY-000342, TR-TSY-000194, and PUB 62508, PUB 62411, PUB 62411A.

4. Mileage Measurement

a. The mileage to be used to determine the monthly rate for the Channel Mileage is calculated on the airline distance between the locations involved, i.e., the serving wire centers associated with two customer designated premises. The serving wire center associated with a customer designated premises is the serving wire center from which the customer designates premises would normally obtain dial tone.

b. Mileage rates in C.3 are in terms of a per mile structure. Mileage is determined using the V&H coordinates method, as set forth in the Exchange Carrier Association Tariff F.C.C. No. 4. When the calculation results in a fraction of a mile, always round up to the next whole mile before applying the rates. (N)

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. 08-0009-T-T dated 1-10-08.

HIGH CAPACITY DIGITAL SERVICE – DS3 (N)

B. REGULATIONS (Cont'd)

4. Mileage Measurement (Cont'd)

c. All mileage between serving wire centers shall receive the application of one fixed mileage charge. The single recurring fixed mileage charge applies regardless of mileage length.

5. Optional Features and Functions

Multiplexing extends from the customer's high capacity interface to the serving central office where it is multiplexed for connection to a maximum of 28 DS1 Channel Services. The customer must specify at the time of ordering, which channels of the facility connect with which service requested. Any future additions and changes to channel assignments must also be coordinated with the Telephone Company. Applicable rates and charges for services so affected will be charged.

6. Termination Liability and Upgrades

For circuits discontinued prior to the end of the first year of the contract period, the customer will be liable for 100% of the total monthly charges at the then prevailing contract rate for the un-expired portion of the first year of the contract. In addition, the customer will be liable for 15% of the channel termination rate and 30% of the mileage rate for the remainder of the contract. For services discontinued after the first year of the contract, the customer will be liable for 15% of the channel termination rates and 30% of the mileage rates for the remainder of the contract period. Circuits not terminated may be subject to re-pricing.

Customers may avoid termination charges when moving DS3 services within the LATA or upgrading to another Telephone Company service, subject to the availability of suitable facilities, as long as: 1.) The customer is replacing other Telephone Company channels with an equal or higher channel capacity than those disconnected, and 2.) The customer pays the appropriate nonrecurring charges and/or special construction to establish the new service, and 3.) The customer accepts a temporary discontinuance of the existing service, and 4.) The new service is ordered at the same time as the service being disconnected, and 5.) the term plan of the new service be of equal or greater length than the remaining commitment period of the service being disconnected. (N)

HIGH CAPACITY DIGITAL SERVICE – DS3 (N)

B. REGULATIONS (Cont'd)

7. Moves

a. When a customer or user requests a move or relocation of a Channel Termination, with no interruption of service, this move or relocation will be treated as a termination of the existing service and the establishment of a new service for the application of all charges, except as stipulated under section B.6 preceding.

b. When a customer or user requests a move or relocation of a Channel Termination, and accepts an interruption to the service, incident to the work involved, a charge equal to the estimated costs incurred by the Telephone Company will apply.

c. When a customer or user requests a move of a Channel Termination, on the same premises in the same building, with no interruption of service, this move or relocation will be treated as a termination of the existing service and the establishment of a new service for the application of all charges, except as stipulated under section B.6 preceding.

d. When a customer or user requests a move of a Channel Termination, on the same premises in the same building, and accepts an interruption to the service, incident to the work involved, a charge equal to the estimated costs incurred by the Telephone Company will apply.

C. RATES@

	Nonrecurring Charge		Per	
	First	Additional	Month	USOC
2. Channel Termination Per point of termination*...				
3. Channel Mileage.....				
	#Nonrecurring Charge		Per Month	
4. Optional Features and Functions				
Multiplexing (per arrangement).....				

@ Rates Deregulated
* Subject to a minimum revenue guarantee of 12 months.
# Nonrecurring charges do not apply to Optional Features and Functions when ordered as part of the initial Service. Nonrecurring charges do apply to Optional Features and Functions if ordered after the initial Service. (N)

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. 08-0009-T-T dated 1-10-08.

RESERVED FOR FUTURE USE

RESERVED FOR FUTURE USE (C)

DIGITAL SERVICE-VOICE, LD AND INTERNET (C)

A. GENERAL

Digital Service-Voice, LD and Internet is an intraexchange multifunctional digital service for business customers that provides voice and high-speed data services on an integrated basis over a single high-capacity T1 facility. The service requires channel bank equipment on the customer's premises to terminate the T1 (DS1) facility. The customer premises equipment (CPE) is not part of the regulated service but must be compatible with the equipment in the serving Central Office of the customer. (C)

Digital Service-Voice, LD and Internet is offered in capacity increments of whole T1 lines, which can be used to transport analog voice-grade signals over DS0 channels (64 Kbps capacity). High-speed data signals are available over bonded channels. At the customer's request, the Company will channelize the available bandwidth and will route voice-grade and high-speed data circuits between the customer's premises and the customer’s serving central office. The DS1 facility will terminate in a suitably equipped digital hubbing arrangement. (C)

The following types of network services are available on a channelized basis via Digital Service-Voice, LD and Internet: (C)

1. Analog Voice Service (local exchange lines, PBX trunks, Centrex Custom Communications System/Centrex Full Feature Business Voice System 2100, voice grade private lines). (C) (C)

2. Dedicated Access at speeds of 256 Kbps, 384 Kbps, 512 Kbps and 768 Kbps.

The Company will, if necessary, further route private line or dedicated services within the same Local Access Transport Area (LATA) between the digital hubbing arrangement in the customer's serving central office and a suitable digital hubbing arrangement in a remote central office. At either the customer’s serving central office or the remote central office, the private line or dedicated channels which are terminated in a digital hubbing arrangement can be electronically connected to compatible channels designated by the customer or authorized representative. Initial service activation is required for a DS1 facility. Additional activity subsequent to the initial installation is required on a DS0 basis if capacity is available.

B. REGULATIONS

1. Feature Packages

The voice lines are provisioned with measured business, or 1 MB equivalent, on Touch-Tone lines. The customer may select either a Digital Service-Voice, LD and Internet Feature Package for any or all 1 MB voice DS0s. In addition, Centrex Custom Communications System/Centrex Full Feature Business Voice System 2100 Service standard features are available with Digital Service-Voice, LD and Internet. (C) (C) (C) (C) (C)

Issued by authority of an Order of the Public Service Commission of West Virginia in Case No. 11-0625-T-T dated May 11, 2011.

DIGITAL SERVICE-VOICE, LD AND INTERNET (C)

B. REGULATIONS (Cont'd)

1. Feature Packages (Cont'd)

The Digital Service-Voice, LD and Internet feature package is a discount billing arrangement for business customers who subscribe to lines on Digital Service-Voice, LD and Internet. (C)

Package No.	Package Features	
1	Call Waiting, Call Forwarding, & Three-way Calling	(O) (O)
2	Call Forwarding, Caller ID & Three-way Calling	(O)
3	Call Waiting, Call Forwarding, & Call Waiting ID with Name	(O) (O)
4	Call Waiting, Call Forwarding, Call Waiting ID with Name & Three-way Calling	(O)
5	Call Waiting, Call Forwarding & Call Waiting ID with Name	
6	Call Forwarding, Three-way Calling & Caller ID	
7	Call Waiting, Three-way Calling & Call Waiting ID with Name	

2. Explanation of Terms

a. DS0

DS0 describes transmission bandwidth of 64 kilobits per second (Kbps).

b. 64 Kbps

64 Kbps describes a clear channel digital data transmission utilizing the full bandwidth available on a DS0 channel.

c. Grooming

Digital Service-Voice, LD and Internet circuits may be groomed at a Hub to allow lower-bandwidth channels to be grouped for higher-bandwidth applications. (C)

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DIGITAL SERVICE-VOICE, LD AND INTERNET (C)

B. REGULATIONS (Cont'd)

2. Explanation of Terms (Cont'd)

d. Service Level Grooming

Service Level Grooming bonds contiguous channels to attain greater transmission speeds.

Service Level 4 –	bonds four DS0 channels together to attain a 256 Kbps speed.
Service Level 6 –	bonds six DS0 channels together to attain a 384 Kbps speed.
Service Level 8 –	bonds eight DS0 channels together to attain a 512 Kbps speed.
Service Level 12 –	bonds twelve DS0 channels together to attain a 768 Kbps speed.

e. Voice Grade Connectivity

Voice Grade Connectivity describes channels which connect to either intraoffice or interoffice channels to reach a channel termination of a remote customer location or facility of a designated customer representative.

3. Digital Service-Voice, LD and Internet is provided subject to the availability of facilities. (C)

4. Digital Service-Voice, LD and Internet is available on a digital basis at the network interface on the customer's premises. (C)

5. Digital Service-Voice, LD and Internet arrangements must have at least one DS0 equivalent Digital Service channel activated. The total number of Digital Service channels activated by the customer may not at any time exceed the total Digital Service-Voice, LD and Internet capacity. (C) (C) (C) (C)

6. Digital Service-Voice, LD and Internet must be channelized in a single equipment location on the customer's premises. Multiple customer locations must be served by one or more separate DS1 Digital Service System(s). (C) (C)

7. Direct Inward Dialing (DID) capability is available on PBX trunks at the rates specified in the General Services Tariff, P.S.C.-W.Va.-No. 203, Section 6, Page 3.

DIGITAL SERVICE-VOICE, LD AND INTERNET (C)

B. REGULATIONS (Cont'd)

8. Customers can select one of four different options at the time Digital Service-Voice, LD and Internet is ordered. The service can be ordered: (a) on a month-to-month basis, (b) under a two-year commitment, (c) under a three-year commitment and (d) under a five-year commitment. (C) (C)

9. Termination Liability Digital Service-Voice, LD and Internet (C)

a. In the event the service is terminated by the Customer prior to completion of the current term commitment period, the Customer shall be liable for an early termination charge, except as noted below. The amount of the early termination charge will be 25% of the monthly recurring charge(s) (MRC) for the remainder of the term. For example:

25% X MRC X # of Lines/Channels/Paths X Remainder of Term = Termination Charge

b. Early termination charges will apply only to those rate elements under a term commitment period. If any rates for the service are increased during the term period, exclusive of any increase due to local, state or federal fees, taxes or surcharges, the Customer may terminate the service without incurring an early termination charge.

c. End of Term Options

1. Prior to the end of the term commitment period, the customer may select one of the following options, to be effective at the end of the term:

- Renew their term commitment,
- Commit to a new term period,
- Arrange for a change of service, or
- Arrange for termination of the service.

2. In the event the customer does not select one of the above options, the customer will be converted to the shortest-term period available under tariff (i.e., month-to-month, one year, etc.) for the same service, and will be subject to the applicable term commitment, if any, unless the customer terminates the service within sixty (60) days of the conversion date.

DIGITAL SERVICE-VOICE, LD AND INTERNET (C)

B. REGULATIONS (Cont'd)

9. Termination Liability Digital Service-Voice, LD and Internet (Cont'd) (C)

d. Early termination charges will not be assessed under the following circumstances:

- Customer moves existing service either to a new location within the same address and/or same building (inside move) or to a new location (outside move) and maintains that service for the remainder of the term;
- Customer attempts to move the existing service to a new location within Company's service area, but the service is unavailable;
- Customer renegotiates a new term commitment plan for the same service before the current term commitment expires and the value of the new term commitment is equal to or greater than the remaining value of the current term commitment; or
- Customer changes to another service or upgrades service to a higher speed or capacity under a term commitment, provided the following conditions are met:
- The value of the new term commitment is equal to or greater than the remaining value of the current term commitment,
- The Company provides the new service via tariff or on an individual case basis (ICB), and
- The order to discontinue the existing service and the order for the new or upgraded service are received by the Company at the same time.

10. The Company's responsibility ends at the Demarcation Point and does not include maintaining operational capability of customer-provided equipment. Customers must provide and maintain customer premises equipment at their own expense.

11. It is the responsibility of the customer (or any other party in interest such as the applicant for service or the owner or operator for the premises or the builder) to provide in a manner satisfactory to the Company and without cost to the Company a means of access to the facilities into the building, space for mounting the necessary terminals and equipment, an environment suitable for equipment, and, where required, a means to reach each floor and each suite or office on each floor where service is desired.

12. The Company undertakes to maintain and repair the facilities which it furnishes in order to provide Digital Service-Voice, LD and Internet. The customer may not rearrange, disconnect, remove, or attempt to repair any equipment installed by the Company without prior written consent of the Company. (C)

DIGITAL SERVICE-VOICE, LD AND INTERNET (C)

C. RATES

	Monthly Rate	Nonrecurring Charge	
Digital Service-Voice, LD and Internet System			(C)
C.O. Capacity of 24 Channels			
Month-to-Month Option	*		
Two-Year Option	*		
Three-Year Option	*		
Five-Year Option	*		
Service Activation			
Initial DS1		*	
Each additional DS1		*	
Subsequent Installation, Per DS0		*	
System Rearrangement		*	
Analog Line/PBX Trunk/Centrex Custom			(C)
Communications System/Centrex Full Feature			(C)
Business Voice System 2100	*		(C)
Voice Grade Connectivity	*		
Intraoffice Channel, Per Channel	*		
Interoffice Channel, Per Channel	*		
Direct Inward Dialing (DID)†			
Digital Service specific (DID)			(C)
Capability in addition to trunk	*		
Service Level Grooming			
Level 4 (256 Kbps)	*		
Level 6 (384 Kbps)	*		
Level 8 (512 Kbps)	*		
Level 12 (768 Kbps)	*		

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DIGITAL SERVICE-VOICE, LD AND INTERNET (C)

C. RATES (Cont'd)

	Monthly Rate	Nonrecurring Charge	
Digital Service-Voice, LD and Internet Feature Package Service Options			(C)
Digital Service Feature Package 1 - Call Waiting, Call Forwarding, & Three-way Calling	*	-	(C) (O) (O)
Digital Service Feature Package 2 - Call Forwarding, Caller ID & Three-way Calling	*	-	(C) (O)
Digital Service Feature Package 3 - Call Waiting, Call Forwarding, & Call Waiting ID with Name	*	-	(C) (O)
Digital Service Feature Package 4 - Call Waiting, Call Forwarding, Call Waiting ID with Name & Three-way Calling	*	-	(C) (O)
Digital Service Feature Package 5 - Call Waiting, Call Forwarding & Call Waiting ID with Name	*	-	(C)
Digital Service Feature Package 6 - Call Forwarding, Three-Way Calling, & Caller ID	*	-	(C)
Digital Service Feature Package 7 - Call Waiting, Three-way Calling, & Call Waiting ID with Name	*	-	(C)
Centrex Custom Communications Sys, Centrex Full Feature Bus Voice Sys 2100 Standard Features	*	-	(C) (C)
Features added after Initial Installation			
Centrex Custom Communications Sys/Centrex Full Feature Bus Voice Sys 2100, Per Line	-	*	(C) (C)
Digital Service Feature Packages, Per Line	-	*	(C)

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