

REGULATIONS AND SCHEDULE OF CHARGES APPLYING TO INTRALATA LOCAL  
EXCHANGE TELEPHONE SERVICES WITHIN THE COMMONWEALTH OF VIRGINIA

This tariff is on file with the Virginia State Corporation Commission and can be viewed at their Division of Communications located in the Tyler Building - 9<sup>th</sup> Floor, 1300 East Main Street, Richmond, Virginia 23219. In addition, this tariff is available for review at the Company's principal place of business, Monday-Friday, 9:00AM - 5:00 PM, local time located at 1500 MacCorkle Avenue, SE, Charleston, WV 25314.

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CHANNEL SERVICES TARIFF  
S.C.C.-Va.-No. 4

Frontier Communications of Virginia, Inc.

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Section 1  
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APPLICATION OF TARIFF

A. GENERAL

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

B. REGULATIONS

1. Explanation of Terms

Bit

A bit is the smallest unit of information in the binary system of notation.

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.

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B. REGULATIONS (Cont'd)

1. Explanation of Terms (Cont'd)

Interoffice Channel

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

Local Channel

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

Service Terminal

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

Service Point

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

Station

A station is the point at the customer's location 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.

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B. REGULATIONS (Cont'd)

3. Scope

The Telephone Company has the overall responsibility for Channel Service up to and including the network interface when the network interface is located at the normal point designated by the Telephone Company. 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 Telephone Company is not obligated to make such metallic facilities available.
- b. When a channel is used for data transmission which requires terminal equipment, i.e. 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 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) 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 purpose or purposes, the higher channel rate applies.
- 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.

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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.

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 his 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 in a. through d. following for the portion of the service which is affected. Long Distance Telecommunications Services furnished at the customer's request, when his 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

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B. REGULATIONS (Cont'd)

7. Allowance for Interruptions (Cont'd)

a. (Cont'd)

No credit is allowed for interruptions to service of less than thirty minutes. On interruptions to service of thirty 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 5000 Channels

When service is interrupted for a period of two hours or more, credit is allowed for the portion of the service affected by the interruption, in hourly multiples for each hour or major fraction thereof of interruption as follows:

- (1) For items other than Base Capacity, credit is allowed in the proportion that the period of interruption bears to the hours in a month.
- (2) For each of the several types of Base Capacity, credit is computed separately for each two-point section affected.
  - (a) Where the Base Capacity is furnished for use as a single channel, credit is allowed as in (1) preceding.
  - (b) Where the Base Capacity is furnished for use as individual channels of lesser individual capacity:
    - I. If the equivalent voice grade channels interrupted in a section are less than 50 percent of the total equivalent voice grade channels arranged for use in the section, no credit is allowed.
    - II. If the equivalent voice grade channels interrupted in a section are 50 percent or more of the total equivalent voice grade channels arranged for use in the section, credit is allowed as in (1) preceding.

c. 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.

APPLICATION OF TARIFF

B. REGULATIONS (Cont'd)

7. Allowance for Interruptions (Cont'd)

d. Digital Service

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 follows for the portion of the service which is affected. All such credit allowances shall begin from the time of notice by the customer to the Telephone Company than an unsatisfactory performance level has occurred, provided that the customer promptly releases the services as requested by the Telephone Company to perform testing and maintenance.

(1) Interruptions of 24 Hours or Less

<u>Length of Interruption</u>	<u>Credit</u>
Less than 30 minutes .....	None
30 minutes and up to, but not including, 3 hours .....	1/10 day
3 hours and up to, but not including, 6 hours .....	1/5 day
6 hours and up to, but not including, 9 hours .....	2/5 day
9 hours and up to, but not including, 12 hours .....	3/5 day
12 hours and up to, but not including 15 hours .....	4/5 day
15 hours and up to 24 hours inclusive .....	One day

Two or more interruptions of 30 minutes or more, during any period up to, but not including 3 hours, shall be considered as one interruption.

(2) Interruptions of Over 24 Hours

Credit will be allowed in 1/5 day multiples for each 3-hour period of interruption or fraction thereof. No more than one full day's credit will be allowed for any period of 24 hours.

(3) Service Assurance Maintenance Guarantee

Service Assurance Maintenance Guarantee applies to Digital Data Service (DDS) and High Capacity Digital DS1 service. The Telephone Company will guarantee and 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.



APPLICATION OF TARIFF

B. REGULATIONS (Cont'd)

7. Allowance for Interruptions (Cont'd)

d. Digital Service (Cont'd)

(3) Service Assurance Maintenance Guarantee (Cont'd)

The Service Assurance Maintenance Guarantee credit may 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 Assurance Maintenance Guarantee does not apply to the subsequent interruptions. For multi-point circuits, the Service Assurance Maintenance Guarantee credit will apply to each leg of the circuit that experiences a service interruption. The Service Assurance Maintenance 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.

The Telephone Company will not be held responsible for and consequently will not provide a credit for service interruption in the following situations:

- (a) Interruptions caused by the negligence of the customer.
- (b) Interruptions of a service due to the failure of equipment or systems provided by the customer or others.
- (c) Interruptions of a service during any period in which the Telephone Company is not afforded access to the premises where the service is terminated.

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.

APPLICATION OF TARIFF

B. REGULATIONS (Cont'd)

8. Quality Assurance

Quality Assurance applies to Digital Data Service (DDS) and High Capacity Digital DS1 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.
- 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.

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B. REGULATIONS (Cont'd)

9. Connections (Cont'd)

- 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.

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

- e. A Digital Service furnished by the Telephone Company to a customer may be connected by the customer at the premises of the customer to another Digital Service or to other services furnished by the Company as follows, Series 3000 Channels type 3120 or 3122, Series 5000 Channels, type 5320 or 5322, Series 10000 Channels type 10001 and telecommunications network line.

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 Section 4 of this Company's Long Distance Services Tariff.
- (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.

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B. REGULATIONS (Cont'd)

10. Connections (Cont'd)

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.

11. Digital Service Installation Charge Waiver

The installation charges for Digital Data Service and High Capacity Digital Service will be waived during Telephone Company specified periods, such periods not to exceed 120 days, and will apply to all orders for service received during this period regardless of completion date.

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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 than 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.

C. RATES

1. Intraexchange Channels

	Per Month	
Between buildings on different properties	Half-	Duplex
a. Local Channels	Duplex	Duplex
Each channel between the premises and the serving wire center*		
Type 1001 .....	\$ 14.25	\$28.58
Type 1150 .....	32.20	32.20

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SERIES 1000 CHANNELS

C. RATES (Cont'd)

1. Intraexchange Channels (Cont'd)

	Per Month	
Between buildings on different properties (Cont'd)	Half-	Duplex
	Duplex	Duplex

b. Interoffice Channels

(1) Mileage, per 1/4 mile between serving wire centers

Type 1001 .....	\$ 1.06	\$2.14
Type 1150 .....	.84	.84

(2) Channel terminals, each

Type 1001 .....	None	None
Type 1150 .....	4.92	4.92

c. Where Served Direct Service is not provided, and the Telephone Company elects to provide a channel directly between the customer locations, i.e., does not route through a wire center, the monthly rate is equivalent to one Local Channel.

2. Interexchange IntraLATA Channels

a. Within the same local service area, between contiguous exchanges or between an exchange and a contiguous zone of a multizone exchange, rates as specified in C.1 preceding apply.

b. Between Other Exchanges

All Types

(1) Mileage

	Per Month	
Per mile, or fraction thereof	Half-	Duplex
	Duplex	Duplex
Type 1001 .....	\$ 6.28	\$ 6.28
Type 1150 .....	2.06	2.06

(2) Channel terminals, each

(a) Types 1001 .....	16.33	16.33
(b) Types 1150 .....	34.23	34.23

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SERIES 1000 CHANNELS

C. RATES (Cont'd)

2. Interexchange IntraLATA Channels (Cont'd)

b. Between Other Exchanges (Cont'd)

(2) Channel terminals, each (Cont'd)

(c) For 1150 type channel terminals, where the total channel mileage between rate centers does not exceed three miles, the following rates apply for each channel terminal in lieu of (b) preceding:

	Per Month	
	Half-Duplex	Duplex
Channel Length		
Up to and including 3 miles .....	\$20.54	\$20.54

(3) Station terminals

(a) Types 1001, each .....	16.76	28.13
(b) Types 1150, each .....	28.89	28.89

(4) Additional connections

In a different building on different properties in the same exchange ..... Rates and charges are as specified in (3) preceding

(5) Extension service connection arrangement

Installation Charge

For connection of customers to a government weather service, each customer connection in the same exchange as a government weather service connection ..... Rates and charges are as specified in (3) preceding for Type 1150.\*

\* Not offered as a duplex service.

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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 Wide Area Telephone Service (WATS) line.
- Type 2014 - A two-wire interface with effective two-wire facilities; suitable for branch exchange or similar off-premises main and extension stations used with branch exchange or similar systems capable of operating over loops with resistance up to 1300 ohms.
- Type 2021 - A two-wire or four-wire transmission interface with four-wire facilities for tie trunk use to connect two branch exchange or similar systems, two Centrex systems or a Centrex system and a branch exchange or similar system.
- Type 2022 - A two-wire interface with effective two-wire facilities; suitable for trunk-to-station tie trunk loop signaling use to connect a trunk of one switching system to a station of another switching system capable of operating over loops with resistance up to 1300 ohms.
- Type 2040 - Furnished for voice transmission for terminal equipment which requires that the channel be provided with four-wire facilities.
- Type 2041 - Furnished for use as a concentrator connection, as specified in this Company's Local Exchange Services Tariff, Section 1.



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SERIES 2000 CHANNELS

B. REGULATIONS (Cont'd)

1. Channel Types

- Type 2043 - Furnished for use as a concentrator-identifier trunk, as specified in this Company's Local Exchange Services Tariff, Section 1.
- Type 2045A - Furnished in connection with Centrex lines or SEATs for use as an answering connection, as specified in this Company's Local Exchange Services Tariff, Section 1.
- Type 2045B - Furnished in connection with other than Centrex lines or SEATs 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 hertz (Hz) net loss of 10 decibels (db).

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-Via Net Loss (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 0db to 5.5db.
- Type 2126 - A two-wire interface with effective two-wire facilities engineered for a 1000 Hz net loss of 0db to 3.5db.

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

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 2020, 2021, 2122, 2123 and 2124 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 specified in C. following contemplate only two-point communication between stations permanently connected to the line.

C. RATES

1. Intraexchange Channels

a. Application of Rates

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

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SERIES 2000 CHANNELS

C. RATES (Cont'd)

1. Intraexchange Channels (Cont'd)

b. Between Buildings on Different Properties

(1) Application of Rates

(a) 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.

(b) Mileage for Type 2006B Channels is measured airline from the nearest point on the boundary of the foreign zone to the location of the customer terminal equipment in the normal zone.

(c) Extending an Exchange Service or WATS Line <sup>1</sup> (C)

I. A local channel is required to connect an exchange service or WATS line location to its serving wire center.

II. Where the exchange service or WATS line and the location it is extended to are in different wire center serving areas, an interoffice channel and associated channel terminals are required.

III. Where the channel is furnished to extend an exchange service or WATS line to more than one location, a separate channel is required for connecting each locations' serving wire center to the primary service.

(d) Type 2043 Channel

I. A local channel is required between the answering bureau and the answering bureau's serving wire center.

II. When the answering bureau and the concentrator are in different wire center serving areas, an interoffice channel and associated channel terminals are required.

(e) Extending other lines

I. A local channel is required to connect each premises/property where stations are located, except the first appearance of Centrex lines or SEATs, to its serving wire center.

II. A local channel is required to extend a branch exchange line from its associated branch exchange service location and connect it to the wire center serving that location.

<sup>1</sup> WATS service offering is grandfathered as of November 14, 2022 and limited to existing subscribers at their existing locations.

(N)  
(N)

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SERIES 2000 CHANNELS

C. RATES (Cont'd)

1. Intraexchange Channels (Cont'd)

b. Between Buildings on Different Properties (Cont'd)

(1) Application of Rates (Cont'd)

(e) Extending other lines (Cont'd)

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

IV. A local channel is not required for connecting Series 2000, types 2014, 2020 or 2021, Channels in switching equipment located in a wire center.

(f) Where Served Direct Service is not provided, and at the option of the Telephone Company, a channel is provided directly between the customer locations, i.e., does not route through a wire center, the monthly rate is equivalent to one Local Channel.

(g) Local channels are not required for Series 2000, types 2006B and 2006C.

(2) Local Channels, each	<u>Per Month</u>
Type 2011 .....	\$22.53
Type 2014, 2022, 2125 and 2126 .....	25.77
Type 2020, 2021, 2122, 2123 and 2124 .....	45.90
Type 2040 .....	33.27
Type 2041 .....	11.85
Type 2043 .....	12.40
Type 2045A .....	19.36
Type 2045B .....	11.85
Type 2120 .....	16.52

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SERIES 2000 CHANNELS

C. RATES (Cont'd)

1. Intraexchange Channels (Cont'd)

b. Between Buildings on Different Properties (Cont'd)

	<u>Per Month</u>
(3) Interoffice Channels	
Mileage, per 1/4 mile or fraction thereof, between the serving wire centers	
All Types, except type 2006B.....	
	\$ 1.33
(4) Channel Terminals, all types except type 2006B, each .....	14.16
(5) Mileage for Channel Type 2006B	
(a) Washington Metropolitan Exchange Area (WMEA) Centrex Foreign Zone Service	
Between the boundary of the foreign zone and the primary location of the Centrex system, per mile .....	
	1.65*
(b) All Other Foreign Zone Services	
Between zones in the same multizone exchange, per mile or fraction thereof# .....	
	8.90†

\* Where a zone having over 300,000 dial tone lines is the normal or foreign zone, a minimum of \$4.06 applies.

† Where a zone having over 300,000 dial tone lines is the normal or foreign zone, a minimum of \$24.23 applies.

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SERIES 2000 CHANNELS

C. RATES (Cont'd)

2. Interexchange Channels

a. Application of Rates

- (1) Within the same local service area, between contiguous exchanges or between an exchange and a contiguous zone of a multizone exchange, rates as specified in C.1. preceding apply.
- (2) For Type 2006A Channels, the mileage specified in b. following is measured airline between the rate centers of the normal and foreign exchanges.
- (3) 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.
- (4) For Type 2006A Channels, the mileage and channel terminal rates in b. and c. following apply except as specified in f. following.

b. Mileage, all types	Per <u>Month</u>
Per mile or fraction thereof .....	\$ 4.76

c. Channel Terminals

- (1) All types, each ..... 41.41
- (2) Where the total channel mileage between rate centers does not exceed three miles, the following rates apply for each channel terminal in lieu of (1) preceding:

Channel Length

Up to and including 3 miles .....	24.87
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d. Station Terminals, each\*

Types 2011, 2014, 2022, 2043, 2045, 2120, 2125 and 2126.....	42.26
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Type 2040.....	46.58
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All other types .....	41.74
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\* Not applicable for Type 2006A Channels.

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SERIES 2000 CHANNELS

C. RATES (Cont'd)

2. Interexchange Channels (Cont'd)

e. Additional Connections (Cont'd)

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

f. Other Rates Applications for Type 2006A Channels

- (1) When Foreign Exchange Service is provided in an exchange contiguous with a metropolitan exchange having 1,000,000 or more dial tone lines, and which is subscribed to from the zone of the metropolitan exchange whose rate center is nearest the rate center of the normal exchange.

Per  
Month

Each interexchange channel..... \$ .60

- (2) When Foreign Exchange Service as described in (1) preceding is provided in an exchange contiguous with an exchange described in (1) preceding, the maximum monthly rate for each channel is as specified following, plus the applicable mileage and channel terminal rates as specified in b. and c. preceding, except as specified in (3) following. Mileage is measured air-line between the rate centers of the normal exchange and the exchange adjacent to the metropolitan exchange.

Each interexchange channel..... 12.77

- (3) When Foreign Exchange Service as described in (1) preceding is provided in an exchange where only business service is offered and which is contiguous with an exchange described in (1) preceding.

Each interexchange channel..... 12.98

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SERIES 2000 CHANNELS

C. RATES (Cont'd)

2. Interexchange Channels (Cont'd)

f. Other Rates Applications for Type 2006A Channels (Cont'd)

- (4) For services between contiguous exchanges, the following airline mileage charges apply if they result in lower total rates than those computed as in b. and c. preceding: (LA-3)

Between the rate area of the foreign area and the location of the customer terminal equipment:

Between the boundary of the foreign area and the location of the customer terminal equipment:

<u>Dial Tone Lines</u>	<u>Per Month</u> <u>Per 1/2 Mile or</u> <u>Fraction Thereof</u>
Individual line, or PBX trunk each ..	\$5.30

3. Other Service Arrangements

a. Signaling Arrangements

Per  
Month

- (1) Automatic ringing, for use with type 2120 channels, per channel ..... \$ 6.63
- (2) Arrangement to convert E & M Signaling to DX Signaling, for use with types 2020, 2021, 2122, 2123 and 2124 channels, per local channel or station terminal ..... 16.76



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SERIES 2000 CHANNELS

C. RATES (Cont'd)

3. Other Service Arrangements (Cont'd)

a. Signaling Arrangements (Cont'd)	<u>Per Month</u>
(3) Arrangement for loop signaling, for use with type 2120 channels, per local channel or station terminal .....	\$ 6.63
(4) Arrangements for types 2014, 2022, 2125 and 2126 channels	
(1) Type A .....	12.40
(2) Type B .....	8.22
(3) Type C .....	.96
b. Auxiliary Line Equipment, for use with button telephone service(LA-3) .....	8.25

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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

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

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

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SERIES 3000 CHANNELS

A. GENERAL (Cont'd)

2. Channel Types (Cont'd)

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

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

- a. When Series 3000 Channels are used for data transmission, terminal equipment (data sets) is required to condition signals generated by apparatus furnished by the customer to signals suitable for transmission on the channel and to condition signals received from such a channel to signals for delivery to apparatus furnished by the customer.
- b. Series 3000 Channels may be used for normal black and white telephotograph (facsimile) transmission purposes without the use of terminal equipment. Where picture transmission refinements are required, suitable terminal equipment should be used.

4. Channel Conditioning 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

b. Type C2

The envelope delay distortion shall not exceed:

Between 2000 and 2600 Hz, a maximum difference of 500 microseconds.

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

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

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

SERIES 3000 CHANNELS

B. REGULATIONS (Cont'd)

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

b. Type C2 (Cont'd)

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

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

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

c. Type C4

The envelope delay distortion shall not exceed:

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

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

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

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

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

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

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

d. Type 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

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.

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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 b.(2) following.

b. Between Buildings on Different Properties

(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 Served Direct Service is not provided and at the option of the Telephone Company, a channel is provided directly between the customer locations, i.e., does not route through a wire center, the monthly rate is equivalent to one Local Channel.

(2) Local Channels	<u>Per Month</u>
Type 3001B.....	\$30.00
Type 3001C.....	48.03
All other types.....	45.90

(3) Interoffice Channels

Mileage, per 1/4 mile or fraction thereof, between the serving wire centers

All types ..... 1.13

(4) Channel Terminals, all types, each ..... 13.58

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SERIES 3000 CHANNELS

C. RATES (Cont'd)

2. Interexchange Channels

a. Within the same local service area, between contiguous exchanges or between an exchange and a contiguous zone of a multizone exchange, rates as specified in C.1 preceding apply.

b. Between other exchanges

Per  
Month

(1) Mileage, all types, per mile or fraction thereof ..... \$ 4.34

(2) Channels terminals

41.41

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

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

Channel Length

Up to and including 3 miles ..... 24.87

(3) Station terminals

(a) Type 3001B ..... 37.69

(b) Type 3001C ..... 59.45

(c) Types 3120 and 3122, each ..... 69.30

(4) Additional connections

Additional connections in the same exchange..... Rates and charges are as specified in (3) preceding.

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SERIES 3000 CHANNELS

C. RATES (Cont'd)

3. Channel Conditioning Arrangements for Series 3000 Channels

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

a. When associated with intraexchange service

Between buildings in the same exchange on a two-point or multi-point channel, not arranged for switching:

	<u>Installation</u> <u>Charge</u>	<u>Per</u> <u>Month</u>
Type C1, each .....	\$12.46	\$17.52
Type C2, each .....	31.16	65.62
Type C4, each (Two-point channel only) .....	62.32	98.43
Type D1, each (Two-point channel only)* .....	93.48	11.70

b. When associated with interexchange service

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

(a) Two-point interexchange channel

Type C1, each .....	12.46	17.52
Type C2, each .....	31.16	65.62
Type C4, each .....	62.32	98.43
Type D1, each* .....	93.48	11.70

(b) Multipoint interexchange channel

For the first connection in a building in each exchange

Type C1, each.....	31.16	34.67
Type C2, each.....	62.32	83.51

\* Where the local channel is connected outside the base rate area an additional rate, equivalent to the Local Exchange Line Mileage Band rate for an individual line, as specified in this Company's Local Exchange Services Tariff is applicable.

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SERIES 3000 CHANNELS

C. RATES (Cont'd)

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

b. When associated with interexchange service (Cont'd)

	<u>Installation Charge</u>	<u>Per Month</u>
(2) Each additional connection of the same channel at a different building, but in the same exchange as the first building:		
Type C1, each.....	\$12.46	\$ 10.43
Type C2, each.....	12.46	34.67
Type C4, each.....	12.46	34.67

4. Other Service Arrangements

a. Arrangements for use on types 3120 and 3122 channels, to provide a net loss of less than 16dB up to and including 0dB at 1000 Hz reference, per channel equipped, per receiving location.....

31.16      10.43

b. Multipoint services arrangements

These arrangements are required where more than two stations are connected to the Channel Service.

Types 3120 and 3122 Channels, per channel ..      6.30



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, Channel Service, 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 master 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 in-service 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.

Master Location

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

\* See General Regulations Tariff S.C.C.-Va.-No. 1, Section 3, Page 1.

SELECT-A-STATION SERVICE - LA-1\*

B. REGULATIONS (Cont'd)

1. Explanation of Terms (Cont'd)

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 multizone 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.

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.

\* See General Regulations Tariff S.C.C.-Va.-No. 1, Section 3, Page 1.

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SELECT-A-STATION SERVICE - LA-1\*

B. REGULATIONS (Cont'd)

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.
- 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.

\* See General Regulations Tariff S.C.C.-Va.-No. 1, Section 3, Page 1.

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SELECT-A-STATION SERVICE - LA-1\*

B. REGULATIONS (Cont'd)

3. Scope (Cont'd)

- e. A primary data station selector when used for sequential operation must be optioned for controlled step when used in tandem with a 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 A.T.&T. Co. 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.

C. RATES

1. Equipment

a. Primary Data Station Selector

	<u>Installation Charge</u>	<u>Per Month</u>
(1) Common Equipment		
Sequential Arrangement, each.....	\$294.74	\$121.43
Addressable Arrangement, each.....	294.74	182.74
(2) Channel Connector		
Per Type 4040 Channel Connected, each.....	29.47	3.48
Per Type 4041 Channel Connected, each.....	29.47	16.04

\* See General Regulations Tariff S.C.C.-Va.-No. 1, Section 3, Page 1.

\*\* Registered Service Mark of A.T.&T. Co.

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SELECT-A-STATION SERVICE - LA-1\*

C. RATES (Cont'd)

1. Equipment (Cont'd)

b. Secondary Data Station Selector

	<u>Installation Charge</u>	<u>Per Month</u>
(1) Common Equipment		
Sequential Arrangement, each .....	\$294.74	\$121.43
Addressable Arrangement, each .....	294.74	182.74
(2) Channel Connector		
Per Type 4040 Channel Connected, each..	29.47	3.48
Per Type 4041 Channel Connected, each..	29.47	16.04

2. Channels

a. Intraexchange

Series 4000

- (1) Channels to Connect Stations with Primary or Secondary Data Station Selectors, the Selector Control Unit and a Primary Data Selector Station or a Primary Data Selector Station and an Secondary Data Selector Station.

(a) Local Channels

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

Types 4040 .....	10.90
Types 4041 .....	35.01

(b) 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 Selector Station or Secondary Data Selector Station is located, between the wire center serving the Selector Control Unit and a wire center in which a Primary Data Selector Station is located or between the wire center in which a Primary Data Selector Station is located and a wire center in which a Secondary Data Selector Station is located.

\* See General Regulations Tariff S.C.C.-Va.-No. 1, Section 3, Page 1.

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SELECT-A-STATION SERVICE - LA-1\*

C. RATES (Cont'd)

2. Channels (Cont'd)

a. Intraexchange (Cont'd)

Series 4000 (Cont'd)

(1) (Cont'd)

Per  
Month

(b) Interoffice Channels (Cont'd)

Types 4040 .....	\$ 1.30
Types 4041 .....	2.42

(c) Channel Terminals, each ..... 4.89

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 section.

(1) Interexchange Portion

(a) Mileage, all types, each mile or fraction thereof ..... 2.35

(b) Channel Terminals, all types, each ..... 38.91

(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 ..... 2.42

\* See General Regulations Tariff S.C.C.-Va.-No. 1, Section 3, Page 1.

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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 Primary Data Station Selector is located and a wire center serving a master or remote location or a wire center in which an Secondary Data Station Selector is located

	<u>Per Month</u>
Types 4040 .....	\$ 1.30
Types 4041 .....	2.42

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

Types 4040 .....	\$ 1.30
Types 4041 .....	2.42
Channel terminals, all types, each .....	4.89

(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 an Selector Control Unit or master or remote location and the serving wire center

Types 4040 .....	\$10.90
Types 4041 .....	35.01

\* See General Regulations Tariff S.C.C.-Va.-No. 1, Section 3, Page 1.

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SELECT-A-STATION SERVICE - LA-1\*

C. RATES (Cont'd)

2. Channels (Cont'd)

b. Interexchange (Cont'd)

(3) System Activity Charges

	<u>Per Month</u>
(a) Service Establishment Charge, each.....	\$471.58
(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.	

\* See General Regulations Tariff S.C.C.-Va.-No. 1, Section 3, Page 1.



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 multipoint 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.

Primary Bridge

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

TELEMETRY ALARM BRIDGING SERVICE

B. REGULATIONS (Cont'd)

1. Explanation of Terms (Cont'd)

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.

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.

TELEMETRY ALARM BRIDGING SERVICE

B. REGULATIONS (Cont'd)

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.
- 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.

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TELEMETRY ALARM BRIDGING SERVICE

C. RATES

1. Split Band - Active Bridging

	<u>Installation Charge</u>	<u>Per Month</u>
a. Common Equipment, per central office, each		
(1) First bridging shelf, capacity of 48 two-wire connections .....	\$500.00	\$100.00
(2) Additional bridging shelf, capacity of 56 two-wire connections, each		
Initial installation.....	200.00	30.00
Subsequent installation.....	400.00	80.00
b. Channel Connections, per channel connected		
(1) Remote location channel connection, each .....	14.00	4.00
(2) Midlink channel connection, each		
First channel.....	50.00	7.00
Subsequent channels, each.....	50.00	7.00

2. Passive Bridging

Common Equipment, per central office each bridge, capacity of ten two-wire connections....	50.00	38.00
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3. Summation - Active Bridging

Common Equipment, per central office first or additional bridging shelves, capacity of ten two-wire connections, each.....	100.00	100.00
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4. Channels

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

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SERIES 5000 CHANNELS

A. GENERAL

Series 5000 Channels provides Base Capacity for transmitting various forms of electrical communication up to limits specified for the various types and connecting arrangements necessary for the utilization of such capacity as specified in B. following.

Channels are furnished for half-duplex or duplex operation, the charge being the same in either case on a two-point or multipoint basis.

B. REGULATIONS

1. Series 5000 Channels are no longer offered. The associated rates and charges apply only to existing installations of these channels for the same customer between the same rate center, including such customer's requests for additions to the existing installations only up to the maximum limit of the Base Capacity.

Channels are furnished between specified locations for voice, telephotograph (facsimile), teletypewriter, data transmission, remote metering, supervisory control, miscellaneous signaling and other purposes for which connecting arrangements are provided under 3. following. Series 5000 Channels are not furnished when all points are within the same exchange.

2. Base Capacity

Base Capacity denotes the potential for communication channels and services which can be realized only with the use of service terminals furnished under 3. following. Base Capacity, with appropriate service terminals, is provided for use as a wideband channel or for use as individual channels of lesser capacity which in total do not exceed the equivalent voice grade capacity specified for each type. Base Capacity is furnished in such manner as the Telephone Company may elect, whether by wire, radio or a combination thereof and whether or not by means of a single facility or route.

For each Base Capacity the Telephone Company undertakes to provide at the charges determined under C. following, only that portion of the maximum Base Capacity which the customer orders as channels arranged for his use; additional channels up to the maximum of the Base Capacity will be provided and arranged for use at the customer's request, subject to the availability of suitable service terminals or connecting arrangements.

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SERIES 5000 CHANNELS

B. REGULATIONS (Cont'd)

2. Base Capacity (Cont'd)

The various types and classifications of Base Capacity furnished within this series are as follows:

<u>Base Capacity</u>	<u>Maximum Equivalent Carrier Spectrum Assignment Kilocycles Per Second</u>	<u>Maximum Equivalent Voice Grade Channels</u>
Type 5500	48	12
Type 5600	96	24
Type 5700	240	60
Type 5800	1,000 (Approximate)	240

Within the maximums specified above, the Base Capacity made available to the customer in each classification is determined by the number and type of service terminals or connecting arrangements furnished from time to time pursuant to his order and is limited to the capacity so determined.

Within the limits of a Base Capacity the customer may order as many individual channels of lesser capacity arranged for use as he requires. A channel is considered arranged for use when the necessary connecting arrangements are furnished pursuant to the customer's order.

3. Service Terminals

Service terminals for use with the various types of Base Capacity are furnished under two classifications:

service terminals for use as a wideband channel

service terminals for use as individual channels of a lesser capacity

Type numbers for wideband service terminals are shown in a. following.

Where service terminals for use as individual channels of a lesser capacity are furnished, the type numbers as shown in b. following are assigned by reference to the individual channel as if it were furnished under Series 1000, 2000 or 3000 Channels by dropping the second digit of the regular type number and adding a 5 as the first digit of the new four-digit Series 5000 type number.

<u>Series</u>	<u>EXAMPLE Type</u>	<u>Equivalent 5000 Series Type</u>
1000	1001	5101
2000	2121	5220
3000	3120	5320

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SERIES 5000 CHANNELS

B. REGULATIONS (Cont'd)

3. Service Terminals

a. Service Terminals for Use as a Wideband Channel

- Type 5501 - Service terminals suitable for connecting channels having a frequency bandwidth of approximately 0 to 20,000 Hertz (Hz) with only minor deviation in gain and delay characteristics within this frequency range. Each channel has the equivalent of 12 voice grade channels.
- Type 5502 - Service terminals to accommodate the transmission of data signals at a rate of 40,080 bits per second in sequence and including one voice channel connection for coordination purposes. The channels developed by each terminal have the total equivalent of 12 voice grade channels.
- Type 5503 - Service terminals to accommodate the transmission of data signals at a rate of 19,200 bits per second in sequence and including one voice channel connection for coordination purposes. The channels developed by each terminal have the total equivalent of 12 voice trade channels.
- Type 5504 - Service terminals to accommodate the transmission of data signals at a rate of 50,000 bits per second in sequence and including one voice channel connection for coordination purposes. The channels developed by each terminal have the total equivalent of 12 voice grade channels.
- Type 5751 - Service terminals suitable for connecting channels having a frequency bandwidth of approximately 0 to 100,000 Hz with only minor deviation in gain and delay characteristics within this frequency range. Each channel has the equivalent of 60 voice grade channels.

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SERIES 5000 CHANNELS

B. REGULATIONS (Cont'd)

3. Service Terminals

b. Service Terminals for Use as Channels of a Lesser Capacity

Voice - Service terminals suitable for connecting channels having transmission characteristics and with interface arrangements similar to those furnished under Series 2000 Channels. The types of Series 5000 voice service terminals are as follows:

Types:	5220	5223	5226
	5221	5224	5240
	5222	5225	

Teletypewriter - Service terminals suitable for connecting channels having transmission characteristics and with interface arrangements similar to those for channels furnished under Series 1000 channels. The types of Series 5000 teletypewriter service terminals are as follows:

Types:	5101
	5150

Twelve such channels, or any portion thereof, or a combination, not exceeding twelve, of such channels, between the same pair of service points, have the equivalent of one voice grade channel.

Data - Service terminals suitable for connecting channels having transmission characteristics and with interface arrangements similar to those for Series 3000 Channels furnished for data transmission. Each channel has the equivalent of one voice grade channel. The types of Series 5000 data service terminals are as follows:

Types:	5320
	5322

4. Except as otherwise provided herein, the regulations applicable are as set forth for services of the same type and furnished for the same purposes under Series 1000, 2000 and 3000 services.
5. Channels furnished within this series are provided only through the use of Series 5000 service terminals or connecting arrangements provided by the Telephone Company. The customer may not create additional channels from channels furnished under this series except that the customer may create additional channels from channels of voice grade or less and channels utilizing Type 5502, 5503 and 5504 service terminals to the extent permitted under the provisions of this Company's General Regulations Tariff.



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SERIES 5000 CHANNELS

B. REGULATIONS (Cont'd)

6. Channels and service terminals furnished for purposes specified herein are suitable for such purposes. While other uses are permitted, channels and service terminals are not represented as being satisfactory for other uses.

7. Shared Use of Facilities

a. Shared use is permitted in the case of the following customers:

(1) Pipe line companies, railroad companies, other common or contract carriers or public utilities whose rates and charges are regulated by a government entity, and any non-profit communications organization of such companies, provided that those involved in such shared use are in the same line of business.

(2) Government agencies (Federal, State and Local).

b. Charges will be computed as though the facilities are furnished to a single customer and, without affecting the ultimate responsibility for payment of charges, will be allocated for billing purposes among the customers in accordance with percentages specified by them, such percentages to remain in effect for a minimum of one month. Such percentages on file on the first day of any month will be used in computing that month's billing.

8. Where Series 5000 Channels are furnished by more than one carrier, charges are determined as if such channels were furnished by one carrier.

C. RATES

The following rates apply for Series 5000 Channels involving this Company's exchanges and the exchanges of other companies to the extent specified in 7. following.

	<u>Per Airline Mile</u> <u>Per Month</u>
1. Base Capacity	
Type 5500.....	\$ 23.87
Type 5600.....	31.83
Type 5700.....	71.92
Type 5800.....	270.00

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SERIES 5000 CHANNELS

B. REGULATIONS (Cont'd)

2. Service Terminals

A service terminal is required for each service arranged for use by the customer, for each connection of such service to a station, or for each connection of such service to a Telephone Company office for the purpose of establishing a channel in connection with Foreign Exchange Service. The following charges apply:

a. Service Terminals for Use as a Wideband Channel

- (1) For the first station in an exchange or for a connection to a Telephone Company office on each service in use.

Per Service Terminal Month	<u>Installation Charge</u>	<u>Per Month</u>
Type 5501 .....	\$235.79	\$676.71
Type 5502 .....	235.79	676.71
Type 5503 .....	235.79	676.71
Type 5504 .....	235.79	676.71
Type 5751 .....	235.79	676.71

b. Service Terminals for Use as Channels of a Lesser Capacity

- (1) For the first station in an exchange or for a connection to a Telephone Company office on each service in use.

Per Service Terminal

Voice

Type 5220 .....	26.80	64.00
Types 5221, 5222, 5223, and 5224 .	26.80	64.00
Types 5225 and 5226 .....	26.80	54.53
Type 5240 .....	26.80	68.00

Teletypewriter

Type 5101 .....	26.80	57.18
Type 5150 .....	26.80	57.18

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SERIES 5000 CHANNELS

C. RATES (Cont'd)

2. Service Terminals (Cont'd)

b. Service Terminals for Use as Channels of a Lesser Capacity (Cont'd)

- (1) For the first station in an exchange or for a connection to a Telephone Company office on each service in use. (Cont'd)

Per Service Terminal (Cont'd)

Data	<u>Installation Charge</u>	<u>Per Month</u>
Type 5320 .....	\$26.80	\$71.33
Type 5322 .....	26.80	71.33
Voice		
Type 5220 .....	26.80	26.24
Types 5221, 5222, 5223 and 5224 ..	26.80	34.50
Types 5225 and 5226 .....	26.80	26.24
Type 5240 .....	26.80	38.50
Teletypewriter		
Type 5101 .....	26.80	28.89
Type 5150 .....	26.80	28.89
Data		
Type 5320 .....	26.80	43.03
Type 5322 .....	26.80	43.03

c. Move Charges

When a service terminal is moved to a different building, Installation Charges apply.

When a service terminal is moved to a new location within the same building, one-half the Installation Charge applies.

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SERIES 5000 CHANNELS

C. RATES (Cont'd)

3. Connecting Arrangements

A connecting arrangement is required for each connection of a channel furnished under this series to an interexchange channel furnished under other series, or other tariffs of this Company.

A connecting arrangement charge equal to the service terminal charge for the first station on such channel as specified in 2.b.(1) preceding applies for each such connecting arrangement.

4. Alternate Use Arrangements

Type 1 - For use on a two-point section of a Series 5000, type 5501 or type 5751, Channel to permit the alternate use of the channel as wideband channel or as channels of lesser capacity. Requires the service terminals for the wideband channel and the service terminals or connecting arrangements for the channels of lesser capacity that would be required for both types of operation.

At each terminal of a section or group of sections arranged for the alternate use Base Capacity equivalent to: Per  
Month

12 voice grade channels..... \$44.21

60 voice grade channels..... 53.05

At each terminal of a section or group of sections so arranged, a service terminal or connecting arrangement for each of the two types of operation is required for each channel arranged for use within the alternately used capacity.

5. Channel Conditioning Arrangement

Where Series 5000, types 5220, 5320 and 5322, Interexchange Channels are provided for use with data service terminals and used with either type C1, C2 or C4 conditioning, channel conditioning arrangement charges as specified for Series 3000 Channels in Section 4 preceding apply.

6. Other Items

Arrangements may be furnished to convert the station signal of a Telephone Company provided Wideband Service Terminal to 188C Military Standard signal at the same rates and charges as those specified in Section 4 of this tariff for the conversion.

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SERIES 5000 CHANNELS

C. RATES (Cont'd)

7. Channels to Exchanges Other Than Those of This Company

Series 5000 Channels described in this section are available at the rates specified herein for all exchanges of the following companies:

Amelia Telephone Corporation  
Buggs Island Telephone Cooperative  
Central Telephone Company of Virginia  
Citizens' Telephone Cooperative  
CFW Telephone, Incorporated  
New Hope Telephone Company  
Peoples Mutual Telephone Company, Incorporated  
Scott County Telephone Cooperative, Incorporated  
United Telephone-Southeast, Incorporated

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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 or within a zone of a multizone exchange between the studio and a station; between studios; between a studio and a distributing center: between a distributing center and each station served therefrom; or between a studio or station and the point of connection with an interexchange channel.

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.

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SERIES 6000 CHANNELS

B. REGULATIONS (Cont'd)

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.

c. In multizone exchanges, each zone is considered an exchange for the purpose of applying interexchange channel rates.

C. RATES

1. Local Channels

	<u>Per Month</u>
a. Local channels between the distributing center and stations per channel	
Nonequalized .....	\$14.74
Equalized, approximate frequency range	
100 to 5,000 Hertz (Hz) .....	22.40
50 to 8,000 Hz .....	31.24
50 to 15,000 Hz .....	40.08
b. Local channels to connect a customer's studio to a distributing center, a station, an interexchange channel, or another studio, per channel	
Nonequalized .....	22.40

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SERIES 6000 CHANNELS

C. RATES (Cont'd)

1. Local Channels (Cont'd)

	<u>Per Month</u>
b. (Cont'd)	
Equalized, approximate frequency range	
100 to 5,000 Hz .....	\$ 40.08
50 to 8,000 Hz .....	53.64
50 to 15,000 Hz .....	67.20
c. Equalization Charge	
	<u>Installation Charge</u>
One channel, or two channels between the same points and equalized at the same time .....	\$25.25
	None

2. Interexchange Channels, Station and Bridging Connection

a. Within the same local service area, between contiguous exchanges or between an exchange and a contiguous zone of a multizone exchange, rates as specified in C.1 preceding apply

b. Between other Exchanges

Type 6003

Interexchange Channel, per mile or fraction thereof .....	8.43
Bridging Connection, each (LA-3) .....	42.44

Type 6005

Interexchange Channel, per mile or fraction thereof .....	14.44
Bridging Connection, each (LA-3) .....	194.53

Note: Bridging or station connections are not required on interexchange channels between distributing centers or where the airline mileage of a two-point interexchange channel between service points is 25 miles or less.



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SERIES 8000 CHANNELS

A. GENERAL

Series 8000 Channels are wideband data channels having a maximum equivalent digital capability of approximately 50 kilobits per second and are designed for high speed data or facsimile transmission only. Channels are furnished for intraexchange service for half-duplex or duplex operation on a two-point basis.

B. REGULATIONS

1. Scope

These channels will be connected only at a customer's rate demarcation point.

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 channel service or channel. However, these channels may be connected with comparable interstate services through switching equipment provided by the customer at the customer's location, when the wideband data channel is connected at Terminal Equipment Arrangements for Switched Services specified in B.7. 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.

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.

SERIES 8000 CHANNELS

B. REGULATIONS (Cont'd)

7. Terminal Equipment Arrangements

a. Terminal Equipment Arrangements for Nonsecure Operation

Terminal equipment arrangements to accommodate the transmission of sequential synchronous or sequential nonsynchronous signals are as follows:

- (1) Type 8901 (Sequential Synchronous)  
For transmission at the rate of 19,200 bits per second.
- (2) Type 8902 (Sequential Synchronous)  
For transmission at the rate of 40,800 bits per second.
- (3) Type 8903  
For transmission of two-level sequential nonsynchronous facsimile signals with minimum signal element width of 20 microseconds, or sequential synchronous signals, at a rate of 50,000 bits per second.

b. Terminal Equipment Arrangements for Secure Communication

These terminal equipment arrangements are furnished to a department or agency of the United States Government.

Terminal equipment arrangements to accommodate the transmission of binary digital baseband signals in a random polar format are as follows:

- (1) Type 8910  
For transmission at the rate of 18,750 bits per second.
- (2) Type 8911  
For transmission at the rate of 50,000 bits per second.

c. Terminal equipment arrangements to accommodate the transmission of facsimile signals for switched services are as follows:

Type 8912

At a station other than a connection in a wideband switching arrangement, to accommodate the transmission of binary digital baseband signals in a random polar format at the rate of 50,000 bits per second.

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SERIES 8000 CHANNELS

B. REGULATIONS (Cont'd)

7. Terminal Equipment Arrangements (Cont'd)

c. (Cont'd)

Type 8912 (Cont'd)

At a station connected at a wideband switching arrangement provided by the Telephone Company at the customer's location to accommodate the transmission of restored polar two-level facsimile signals with a minimum signal element width of 20 microseconds at a rate of 50,000 bits per second.

C. RATES

1. Intraexchange Channels

	Installation Charge	Per Month
Type 8900, half-duplex or duplex operation		
Between buildings on different properties, per channel*		
First mile or fraction thereof .....	-	\$330.11
Each additional 1/4 mile or fraction thereof .....	-	24.46

2. Connecting Arrangements

a. Terminal equipment arrangements, each

Type 8901 .....	\$249.28	277.05
Type 8902 .....	249.28	277.05
Type 8903 .....	249.28	277.05

b. Terminal equipment arrangements for secure communications, each

Type 8910 .....	249.28	277.05
Type 8911 .....	249.28	277.05

\* Between each two stations.

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SERIES 8000 CHANNELS

C. RATES (Cont'd)

2. Connecting Arrangements (Cont'd)

	<u>Installation Charge</u>	<u>Per Month</u>
b. Terminal equipment arrangements for secure communications, each (Cont'd)		
Type 8912		
At a station other than a switched location .....	\$249.28	\$359.58
At a station at a switched location .....	124.63	51.28

3. Move Charges

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

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

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

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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 location 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's location 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.

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Original Page 1

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, 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

Basic Parameters	Specification or Limit	
	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.	

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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 40db at 9600 Hertz	The attenuation distortion with respect to 1000 Hertz loss when connected in 600 ohms shall not exceed an additional 3db 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.

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SERIES 11000 CHANNELS

B. REGULATIONS (Cont'd)

2. Basic Parameters and Specifications (Cont'd)

Basic Parameters	Specification or Limit	
	Nonloaded Channel	Loaded Channel
Attenuation Loss	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 terminations)

The 1000 Hertz loss when connected in 600 ohms shall not exceed 21 db.

The 1000 Hertz loss when connected in 600 ohms shall not exceed 15db.

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.



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SERIES 11000 CHANNELS

C. RATES

1. Channels

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

Each channel between the station location and the serving wire center	<u>Per Month</u>
Types 11080 .....	\$15.59
Types 11081 .....	24.62

2. Channel Modification Charges

Removal of Load Coils

First pair modified	<u>Charge</u>
First point unloaded.....	\$1114.00
Each additional point unloaded.....	436.00
Each additional pair modified at the same points and the same time as the first pair	
Per point unloaded.....	54.00

\* Where, at the option of the Telephone Company, a channel is provided directly between customer locations on different properties, i.e., does not route through a wire center, the monthly rate is equivalent to one channel, of the appropriate type, between the station location and the serving wire center.

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 digital access line.

B. REGULATIONS

1. Explanation of Terms

Channel Service Unit

Channel service units are standard interfaces which provide 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 must be approved by the Telephone Company.

Digital Access Line

A digital access line, is a path for digital transmission furnished within the serving area of a digital city between the principal Telephone Company central office and a station.

Digital City

A digital city is a city in which a principal Telephone Company central office is located and which serves a specific area.

Digital City Rate Center

A digital city rate center is a specified geographical location in a digital city from which mileage measurements are determined for the application of mileage rates.

Digital City Serving Area

A digital city serving area is a specific geographic area served in and around a digital city.

DIGITAL DATA SERVICE

B. REGULATIONS (Cont'd)

1. Explanation of Terms (Cont'd)

Principal Telephone Company Central Office

A principal Telephone Company central office is the central office to which Digital Data Service digital access lines are routed and where access is provided to such lines and associated equipment for testing purposes or the central office designated to provide the same functions on a theoretic basis for the purpose of establishing a digital city.

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.

3. Provision of Service

a. Service is provided to the customer for the transmission of communications to or from any station via a channel and/or digital access lines.

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

(1) One-station Service

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

(2) Two-station Service

This service may consist of digital access lines furnished in the same digital city serving area for service between two stations.

(3) Multistation Service

This service may consist of digital access lines furnished in the same digital city serving area for service between three or more stations.

A multistation arrangement is required per station to provide this service.

This service is offered on a limited basis, where facilities are available, at 19.2 Kbps, and is not offered at 64 Kbps.

DIGITAL DATA SERVICE

B. REGULATIONS (Cont'd)

3. Provision of Service (Cont'd)

b. The service options available to the customer are as follows: (Cont'd)

(4) Secondary Channel

An optional arrangement which provides a derived lower speed digital data companion channel which is independent of the primary Digital Data Service channel and allows customers to perform Network Management, Diagnostic and Maintenance applications on their Digital Data Network.

Secondary Channel is provided on station to station and multistation circuits at speeds of 2.4, 4.8, 9.6, and 19.2KBPS. 56KBPS is limited to station to station circuits and the option is not available at 64KBPS.

A Secondary Channel provides speeds as follow:

<u>Primary Channel</u>	<u>Secondary Channel</u>
2.4 KBPS	133 BPS
4.8 KBPS	266 BPS
9.6 KBPS	533 BPS
19.2 KBPS	1066 BPS
56 KBPS	2666 BPS

c. Service is provided to the customer via channels and/or digital access lines. Two types of digital access lines are offered as follows.

(1) Type I Digital Access Lines

Type I digital access lines are furnished to serve customer stations within the base-band transmission serving area of the principal Telephone Company central office.

(2) Type II Digital Access Lines

Type II digital access lines are furnished to serve customer stations outside the base-band transmission serving area of the principal Telephone Company central office.

d. Digital Data Service requires a channel service unit at all times at the customer's rate demarcation point and associated with the customer's data terminal devices.

DIGITAL DATA SERVICE

B. REGULATIONS (Cont'd)

4. Creation of Additional Bit Streams

Customers, by use of their own channel derivation equipment, may create digital bit streams from a Digital Service. This equipment may be connected at the customer's rate demarcation point 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.

- 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 were not suspended applies during the periods of suspension for digital access lines and associated equipment.

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 rate demarcation point of the customer subject to the following: no service will be provided to the premises of an Interexchange Carrier\* where the sole purpose of the service, including any bit streams derived therefrom, is to effect direct connection for through transmission with communications channels of such a carrier except that service may be provided to the premises of such a carrier for connection of service provided to a Composite Data Service Vendor for the provision of composite data service.

7. Serving Areas

- a. Digital Data Service is furnished within the following Digital Serving Areas.

Arlington  
Culpeper  
Danville  
Lynchburg  
Norfolk  
Richmond  
Roanoke  
Winchester

\* An Interexchange Carrier is as defined in this Company's Access Service Tariff.

DIGITAL DATA SERVICE

B. REGULATIONS (Cont'd)

7. Serving Areas (Cont'd)

b. Digital City Serving Areas

Central offices from which Type I and Type II digital access lines are provided are as specified by the Telephone Company.

8. Pricing Options

a. Description

A customer, by Billing Account, meeting the requirements as described in this section, can subscribe to specific longer term commitment periods in exchange for reduced monthly rates.

Pricing Option Plans are not applicable to service covered under any other Term, Quantity or Special Pricing rate plans.

The Digital Access lines must all be of the same speed, and in the same billing account, in order to be included in a specific plan.

Three Plans are available under an agreement for 2, 3, or 5 year periods. The quantity of Digital Access Lines (DAL) determines the Plan available to a customer. The Plans range in quantity as follows:

(1) Plan #1	1 - 24	DALs per LATA
(2) Plan #2	25 - 100	DALs per LATA
(3) Plan #3	over 100	DALs per LATA

b. Terms and Conditions

- (1) When requesting a Pricing Plan the customer must specify the length of the desired commitment period and the services that are to be included in the plan.
- (2) At the end of the commitment period, the associated service(s) will revert to the monthly rates, existing at that time, unless the customer subscribes to a new commitment period.
- (3) In the event of a change in the existing tariffed rates the plan will revert to the new rates for the remainder of the commitment period.
- (4) Each Pricing Plan will require a separate contract and is considered independent of all other pricing plans.

DIGITAL DATA SERVICE

B. REGULATIONS (Cont'd)

8. Pricing Options (Cont'd)

c. Termination Liability

- (1) A termination liability payment is applicable when a service is disconnected, in full or in part, prior to the end of the selected commitment period or when the customer fails to comply to the required conditions, except as set for in d. following.
- (2) Changes in the customer's service which results in the removal of Digital Access Lines (DALs) from the Pricing Plan without adding additional DALs to meet that plan's volume requirements is considered to be a termination of the agreement.
- (3) 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. In addition, the customer will be liable for 30% of the total monthly charges for the remaining portion of the commitment period.

d. Termination Without Liability

- (1) A Pricing Plan may be cancelled without liability should the applicable tariff rates increase.
- (2) A request to change to a longer commitment period will nullify the current termination liability. All terms and conditions of the new longer term commitment will apply.
- (3) Termination liability is not applicable if the customer requests to upgrade to a higher quantity plan and the new plan has a commitment period of equal or greater length than the existing plan.
- (4) Termination liability is not applicable if the customer requests to upgrade service to a higher speed and meets all of the following conditions:
  - (a) The new service is provided between the same locations as the disconnected service.
  - (b) The new service is purchased under a commitment period equal to or greater than the remaining commitment period of the service being disconnected.
  - (c) 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.

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DIGITAL DATA SERVICE

B. REGULATIONS (Cont'd)

8. Pricing Options (Cont'd)

e. Additions to the Plan

Customers with an existing agreement who wish to increase the number of Digital Access Lines have the following options:

- (1) Subscribe to the additional services under the monthly payment plan.
- (2) Subscribe to the additional services under a separate Pricing Plan.
- (3) If applicable, upgrade to a new Pricing Plan (eg. Plan 1 to Plan 2) with a term equal to or greater than the existing commitment period.

C. RATES

1. Digital Access Lines, each

a. Type I

<u>Transmission Speeds</u>	<u>Installation Charge</u>	<u>Per Month</u>
2.4 Kbps .....	\$350.00	\$ 105.41
4.8 Kbps .....	350.00	120.05
9.6 Kbps .....	350.00	153.73
19.2 Kbps .....	350.00	193.25
56 Kbps .....	350.00	256.22
64 Kbps .....	350.00	256.22

b. Type II

<u>Transmission Speeds</u>	<u>Installation Charge</u>	<u>Per Month</u>	
		<u>Fixed Charge</u>	<u>Per Mile*</u>
2.4 Kbps	\$350.00	\$117.12	\$2.92
4.8 Kbps	350.00	134.69	2.92
9.6 Kbps	350.00	168.37	2.92
19.2 Kbps .....	350.00	207.90	2.92
56 Kbps .....	350.00	278.17	2.92
64 Kbps .....	350.00	278.17	2.92

\* Mileage is measured airline distance between the Digital City Rate Center and the wire center that normally serves the distant station.



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DIGITAL DATA SERVICE

C. RATES (Cont'd)

2. Contract Pricing

a. Plan #1 - 2 Year Contract Digital Access Lines, each

(1) Type I

<u>Transmission Speeds</u>	<u>Installation Charge</u>	<u>Per Month</u>
2.4 Kbps .....	\$350.00	\$ 70.56
4.8 Kbps .....	350.00	80.36
9.6 Kbps .....	350.00	102.90
19.2 Kbps .....	350.00	129.36
56 Kbps .....	350.00	171.50
64 Kbps .....	350.00	171.50

(2) Type II

<u>Transmission Speeds</u>	<u>Installation Charge</u>	<u>Per Month</u>	
		<u>Fixed Charge</u>	<u>Per Mile*</u>
2.4 Kbps .....	\$350.00	\$ 78.40	\$1.90
4.8 Kbps .....	350.00	90.16	1.90
9.6 Kbps .....	350.00	112.70	1.90
19.2 Kbps .....	350.00	139.16	1.90
56 Kbps .....	350.00	186.20	1.90
64 Kbps .....	350.00	186.20	1.90

b. Plan #1 - 3 Year Contract Digital Access Lines, each

(1) Type I

<u>Transmission Speeds</u>	<u>Installation Charge</u>	<u>Per Month</u>
2.4 Kbps .....	\$350.00	\$ 68.40
4.8 Kbps .....	350.00	77.90
9.6 Kbps .....	350.00	99.75
19.2 Kbps .....	350.00	125.40
56 Kbps .....	350.00	166.25
64 Kbps .....	350.00	166.25

\* Mileage is measured airline distance between the Digital City Rate Center and the wire center that normally serves the distant station.

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DIGITAL DATA SERVICE

C. RATES (Cont'd)

2. Contract Pricing (Cont'd)

b. Plan #1 - 3 Year Contract Digital Access Lines, each (Cont'd)

(2) Type II

<u>Transmission Speeds</u>	<u>Installation Charge</u>	<u>Per Month</u>	
		<u>Fixed Charge</u>	<u>Per Mile*</u>
2.4 Kbps .....	\$350.00	\$ 76.00	\$1.70
4.8 Kbps .....	350.00	87.40	1.70
9.6 Kbps .....	350.00	103.50	1.70
19.2 Kbps .....	350.00	127.80	1.70
56 Kbps .....	350.00	171.00	1.70
64 Kbps .....	350.00	171.00	1.70

c. Plan #1 - 5 Year Contract Digital Access Lines, each

(1) Type I

<u>Transmission Speeds</u>	<u>Installation Charge</u>	<u>Per Month</u>
2.4 Kbps .....	\$350.00	\$ 64.80
4.8 Kbps .....	350.00	73.80
9.6 Kbps .....	350.00	94.50
19.2 Kbps .....	350.00	118.80
56 Kbps .....	350.00	157.50
64 Kbps .....	350.00	157.50

(2) Type II

<u>Transmission Speeds</u>	<u>Installation Charge</u>	<u>Per Month</u>	
		<u>Fixed Charge</u>	<u>Per Mile*</u>
2.4 Kbps .....	\$350.00	\$ 72.00	\$1.60
4.8 Kbps .....	350.00	82.80	1.60
9.6 Kbps .....	350.00	97.00	1.60
19.2 Kbps .....	350.00	120.60	1.60
56 Kbps .....	350.00	160.00	1.60
64 Kbps .....	350.00	160.00	1.60

\* Mileage is measured airline distance between the Digital City Rate Center and the wire center that normally serves the distant station.

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DIGITAL DATA SERVICE

C. RATES (Cont'd)

2. Contract Pricing (Cont'd)

d. Plan #2 - 2 Year Contract Digital Access Lines, each

(1) Type I

<u>Transmission Speeds</u>	<u>Installation Charge</u>	<u>Per Month</u>
2.4 Kbps .....	\$350.00	\$ 68.40
4.8 Kbps .....	350.00	77.90
9.6 Kbps .....	350.00	99.75
19.2 Kbps .....	350.00	125.40
56 Kbps .....	350.00	166.25
64 Kbps .....	350.00	166.25

(2) Type II

<u>Transmission Speeds</u>	<u>Installation Charge</u>	<u>Per Month</u>	
		<u>Fixed Charge</u>	<u>Per Mile*</u>
2.4 Kbps .....	\$350.00	\$ 76.00	\$1.80
4.8 Kbps .....	350.00	87.40	1.80
9.6 Kbps .....	350.00	109.25	1.80
19.2 Kbps .....	350.00	134.90	1.80
56 Kbps .....	350.00	180.50	1.80
64 Kbps .....	350.00	180.50	1.80

e. Plan #2 - 3 Year Contract Digital Access Lines, each

(1) Type I

<u>Transmission Speeds</u>	<u>Installation Charge</u>	<u>Per Month</u>
2.4 Kbps .....	\$350.00	\$ 64.80
4.8 Kbps .....	350.00	73.80
9.6 Kbps .....	350.00	94.50
19.2 Kbps .....	350.00	118.80
56 Kbps .....	350.00	157.50
64 Kbps .....	350.00	157.50

\* Mileage is measured airline distance between the Digital City Rate Center and the wire center that normally serves the distant station.

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C. RATES (Cont'd)

2. Contract Pricing (Cont'd)

e. Plan #2 - 3 Year Contract Digital Access Lines, each (Cont'd)

(2) Type II

<u>Transmission Speeds</u>	<u>Installation Charge</u>	<u>Per Month</u>	
		<u>Fixed Charge</u>	<u>Per Mile*</u>
2.4 Kbps .....	\$350.00	\$ 72.00	\$1.60
4.8 Kbps .....	350.00	82.80	1.60
9.6 Kbps .....	350.00	97.75	1.60
19.2 Kbps .....	350.00	120.70	1.60
56 Kbps .....	350.00	161.50	1.60
64 Kbps .....	350.00	161.50	1.60

f. Plan #2 - 5 Year Contract Digital Access Lines, each

(1) Type I

<u>Transmission Speeds</u>	<u>Installation Charge</u>	<u>Per Month</u>
2.4 Kbps .....	\$350.00	61.20
4.8 Kbps .....	350.00	69.70
9.6 Kbps .....	350.00	89.25
19.2 Kbps .....	350.00	112.20
56 Kbps .....	350.00	148.75
64 Kbps .....	350.00	148.75

(2) Type II

<u>Transmission Speeds</u>	<u>Installation Charge</u>	<u>Per Month</u>	
		<u>Fixed Charge</u>	<u>Per Mile*</u>
2.4 Kbps .....	\$350.00	\$ 68.00	\$1.50
4.8 Kbps .....	350.00	78.20	1.50
9.6 Kbps .....	350.00	91.25	1.50
19.2 Kbps .....	350.00	114.50	1.50
56 Kbps .....	350.00	150.50	1.50
64 Kbps .....	350.00	150.50	1.50

\* Mileage is measured airline distance between the Digital City Rate Center and the wire center that normally serves the distant station.

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DIGITAL DATA SERVICE

C. RATES (Cont'd)

2. Contract Pricing (Cont'd)

g. Plan #3 - 2 Year Contract Digital Access Lines, each

(1) Type I

<u>Transmission Speeds</u>	<u>Installation Charge</u>	<u>Per Month</u>
2.4 Kbps .....	\$350.00	\$ 64.80
4.8 Kbps .....	350.00	73.80
9.6 Kbps .....	350.00	94.50
19.2 Kbps .....	350.00	118.80
56 Kbps .....	350.00	157.50
64 Kbps .....	350.00	157.50

(2) Type II

<u>Transmission Speeds</u>	<u>Installation Charge</u>	<u>Per Month</u>	
		<u>Fixed Charge</u>	<u>Per Mile*</u>
2.4 Kbps .....	\$350.00	\$ 72.00	\$1.60
4.8 Kbps .....	350.00	82.80	1.60
9.6 Kbps .....	350.00	97.75	1.60
19.2 Kbps .....	350.00	120.70	1.60
56 Kbps .....	350.00	161.50	1.60
64 Kbps .....	350.00	161.50	1.60

h. Plan #3 - 3 Year Contract Digital Access Lines, each

(1) Type I

<u>Transmission Speeds</u>	<u>Installation Charge</u>	<u>Per Month</u>
2.4 Kbps .....	\$350.00	\$ 61.20
4.8 Kbps .....	350.00	69.70
9.6 Kbps .....	350.00	89.25
19.2 Kbps .....	350.00	112.20
56 Kbps .....	350.00	148.75
64 Kbps .....	350.00	148.75

\* Mileage is measured airline distance between the Digital City Rate Center and the wire center that normally serves the distant station.

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DIGITAL DATA SERVICE

C. RATES (Cont'd)

2. Contract Pricing (Cont'd)

h. Plan #3 - 3 Year Contract Digital Access Lines, each (Cont'd)

(2) Type II

<u>Transmission Speeds</u>	<u>Installation Charge</u>	<u>Per Month</u>	
		<u>Fixed Charge</u>	<u>Per Mile*</u>
2.4 Kbps .....	\$350.00	\$ 68.00	\$1.50
4.8 Kbps .....	350.00	78.20	1.50
9.6 Kbps .....	350.00	91.25	1.50
19.2 Kbps .....	350.00	114.50	1.50
56 Kbps .....	350.00	150.50	1.50
64 Kbps .....	350.00	150.50	1.50

i. Plan #3 - 5 Year Contract Digital Access Lines, each

(1) Type I

<u>Transmission Speeds</u>	<u>Installation Charge</u>	<u>Per Month</u>
2.4 Kbps .....	\$350.00	\$ 57.60
4.8 Kbps .....	350.00	65.60
9.6 Kbps .....	350.00	84.00
19.2 Kbps .....	350.00	105.60
56 Kbps .....	350.00	140.00
64 Kbps .....	350.00	140.00

(2) Type II

<u>Transmission Speeds</u>	<u>Installation Charge</u>	<u>Per Month</u>	
		<u>Fixed Charge</u>	<u>Per Mile*</u>
2.4 Kbps .....	\$350.00	\$ 64.00	\$1.40
4.8 Kbps .....	350.00	73.60	1.40
9.6 Kbps .....	350.00	86.50	1.40
19.2 Kbps .....	350.00	107.40	1.40
56 Kbps .....	350.00	142.00	1.40
64 Kbps .....	350.00	142.00	1.40

\* Mileage is measured airline distance between the Digital City Rate Center and the wire center that normally serves the distant station.

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DIGITAL DATA SERVICE

C. RATES (Cont'd)

	<u>Installation Charge</u>	<u>Per Month</u>
3. Secondary Channel		
a. Installed at same time as Digital Access Line		
per line.....	None	\$10.00
b. Installed on in-service Digital Access Lines		
per line.....	\$125.00	10.00
4. Multistation Arrangement, per station.....		16.50
5. Moves and Changes		
a. When a digital access line is moved to a different location in the same building, a charge of one-half the Installation Charge applies.		
b. When a digital access line is relocated to a different building Installation Charges apply.		
c. When, at the request of the customer, an existing Digital Data Service is replaced by a Digital Data Service of a different Kbps, the charge applicable is the same as that for a new installation of the replacing Digital Data Service.		

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HIGH CAPACITY DIGITAL SERVICE - DS1

A. GENERAL

High Capacity Digital Service, DS-1 is furnished on either a two point basis between customer premises, or between another DS-1 type service provided in a Telephone Company central office and a customer premises or between central offices for connection to other DS-1 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 - DS-1 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 DS-1 connects from the customer location to High Capacity DS-1 services provided at the serving wire center.
- d. One Channel Termination and Interoffice mileage when the wire center providing the High Capacity DS-1 services is not the local serving wire center.
- e. Interoffice Channel Mileage when High Capacity Digital Service connects the High Capacity DS-1 services provided at different central offices.

2. Availability of Service

High Capacity Digital Service, DS-1 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, DS-1 provides an electrical 4 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 they will be required to provide a suitable termination device - Channel Service Unit or equivalent.



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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 DS-1s 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 DS-1 system. Service provided under this tariff is subject to a minimum revenue guarantee of 2 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 DS-1 service within the LATA or upgrading to another Telephone Company service as long as: 1. they are replacing other Telephone Company channels with equal or higher channel capacity than those disconnected, and 2. they pay the appropriate nonrecurring charges to establish the new service, and 3. they accept a possible negotiated 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 for the new service is of equal or greater length than the remaining commitment period of the service being disconnected.

C. RATES

	<u>Installation Charge</u>	<u>Per Month</u>
1. Channel Terminations,.....	\$513.17	\$329.42
		<u>Per Month</u>
		<u>Fixed    Per Mile</u>
2. Interoffice Mileage,.....	\$73.20	\$43.92

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HIGH CAPACITY DIGITAL SERVICE - DS1

C. RATES (Cont'd)

3. Contract Pricing

a. Plan 1 - 1 Circuit

	Per Month	
Channel Terminations		
2 Year Plan .....	\$213.75	
3 Year Plan .....	210.94	
5 Year Plan .....	196.87	
Mileage		
	Per Month	
	Fixed	Per Mile
2 Year Plan .....	\$47.50	\$28.50
3 Year Plan .....	46.87	28.12
5 Year Plan .....	43.75	26.25

b. Plan 2 - 2-4 Circuits

	Per Month	
Channel Terminations		
2 Year Plan .....	\$210.94	
3 Year Plan .....	196.87	
5 Year Plan .....	182.81	
Mileage		
	Per Month	
	Fixed	Per Mile
2 Year Plan .....	\$46.87	\$28.12
3 Year Plan .....	43.75	26.25
5 Year Plan .....	40.62	24.37

c. Plan 3 - 5-8 Circuits

	Per Month	
Channel Terminations		
2 Year Plan .....	\$196.87	
3 Year Plan .....	182.81	
5 Year Plan .....	168.75	
Mileage		
	Per Month	
	Fixed	Per Mile
2 Year Plan .....	\$43.75	\$26.25
3 Year Plan .....	40.62	24.37
5 Year Plan .....	37.50	22.50

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HIGH CAPACITY DIGITAL SERVICE - DS1

C. RATES (Cont'd)

3. Contract Pricing (Cont'd)

d. Plan 4 - 9-16 Circuits

Per  
Month

Channel Terminations

2 Year Plan .....	\$182.81
3 Year Plan .....	168.75
5 Year Plan .....	154.69

Mileage	<u>Per Month</u>	
	<u>Fixed</u>	<u>Per Mile</u>
2 Year Plan .....	\$ 40.62	\$24.37
3 Year Plan .....	37.50	22.50
5 Year Plan .....	34.37	20.62

4. Options

a. Clear Channel.....	513.17	-
b. Extended Superframe.....	513.17	-

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.

HIGH CAPACITY DIGITAL HAND-OFF SERVICE

A. GENERAL

High Capacity Digital Hand-off Service is a high capacity digital channel which carries voice grade local exchange and Channel Services between the customer's serving central office and the customer's compatible premises equipment.

B. REGULATIONS

1. Explanation of Terms

Dedicated Hand-off Facility

The dedicated hand-off facility is a digital wideband channel operating at a transmission speed of 1.544 Mbps. It is a simultaneous two-way transmission media using serial, bipolar, return-to-zero, isochronous, alternating mark inversion format. It extends from a customer's high capacity interface to the serving central office where it is connected directly into the digital switch. A maximum of 24 local exchange direct inward dialed or direct outward dialed (where facilities permit) PBX trunks can be provided by each dedicated hand-off facility.

Clear Channel Capability will be provided where available.

Bipolar 8 Zero Substitution

A line of code based on AMI and is a technique that is used to accommodate the ones density requirement for digital transmission facilities (e.g. T-1s). Like AMI, B8ZS uses no voltage to represent a binary 0 and uses alternating positive and negative pulses to represent binary 1 bits. However, rather than inserting a 1 bit for every consecutive seventh 0 bit, this line code inserts violations of the bipolar line code. In other words, the B8ZS line code will insert two bipolar violations to identify a block of 8 consecutive 0's.

Alternate Mark Inversion

AMI is a line code that uses the absence of a pulse (i.e., no voltage) to represent a digital 0 bit. Digital 1 bits are coded using alternate positive and negative polarity pulses (i.e., positive and negative voltage).

Clear Channel Capability

CCC is an arrangement that allows a customer to transport 1.536 Mbps information rate signals over a 1.544 Mbps High Capacity channel or a 1.544 Mbps High Capacity channel subtending from a multiplexed 44.736 Mbps High Capacity channel with no constraint on the quantity or sequence of ones (mark) and zero (space) bits. This arrangement requires the customer signal at the channel interface to conform to Bipolar with Eight Zero Substitution (B8ZS) line code as described in Technical Reference TR-NPL-000054 and Technical Reference PUB 62508.

HIGH CAPACITY DIGITAL HAND-OFF SERVICE

B. REGULATIONS (Cont'd)

1. Explanation of Terms (Cont'd)

Multiplexed Hand-Off Facility

The multiplexed hand-off facility is a digital wideband channel operating at a transmission speed of 1.544 Mbps. It is a simultaneous two-way transmission media using serial, bipolar, return-to-zero, isochronous, alternating mark inversion format. It extends from the customer's high capacity interface to the serving central office where it is multiplexed for connection to a maximum of 24 local exchange or Channel Services.

Clear Channel Capability will be provided where available.

2. 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 the voice grade services so affected will be charged.
3. Local exchange and Channel Services to be transported must emanate from either the customer's normal serving central office or a customer-specified foreign office. Channel Services may extend beyond the serving central office and will be provided via whatever facilities the Telephone Company chooses, subject to applicable rates and charges.
4. Series 1000 Channels and Digital Data Service Channels cannot be transported over High Capacity Digital Hand-off Service.
5. The interface at the customer's premises must conform with Verizon Technical Publication TR000054 at the Digital Signal-1 level.
6. This service will only be offered where the serving central office is equipped to provide the service.

C. RATES

	Installation <u>Charge</u>	Per <u>Month</u>
High Capacity Digital Hand-off Service		
1. Multiplexed Hand-off Facility, each .....	\$376.00	\$292.00
2. Dedicated Hand-off Facility, each .....	376.00	123.00

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 Telephone Company central office (wire center) and a customer premises or between central offices for connection to other DS3-compatible services.

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

2. Availability of Service

High Capacity Digital Service-DS3 is available throughout the Telephone Company's serving area where facilities exist. The Telephone Company, at its discretion, 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 Tariff 203, Section 2 apply. Should a customer request the use of a wire center or redundant facilities in areas where they are not available at that time, Special Construction charges apply.

HIGH CAPACITY DIGITAL SERVICE-DS3

B. REGULATIONS (Cont'd)

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 designated premises would normally obtain dial tone.
- b. Channel mileage rates ,as specified in C. Rates following, 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.
- 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

The Multiplexing option extends from the customer's high capacity interface to a Telephone Company central office where it is multiplexed for connection to a maximum of 28 DS1 Channel Services per DS3. 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.

HIGH CAPACITY DIGITAL SERVICE-DS3

B. REGULATIONS (Cont'd)

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 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:

- a. They are replacing other Telephone Company channels with an equal or higher channel capacity than those disconnected;
- b. They pay the appropriate nonrecurring charges and if required, special construction, to establish the new service;
- c. They accept a temporary discontinuance of the existing service in order to establish the new service;
- d. The new service is ordered at the same time as the service being disconnected; and
- e. The term plan of the new service is of equal or greater length than the remaining commitment period of the service being disconnected.

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 for the existing service and the establishment of a new service for the application of all charges, except as stipulated under Section 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.



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HIGH CAPACITY DIGITAL SERVICE-DS3

B. REGULATIONS (Cont'd)

7. Moves (Cont'd)

- 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 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

Pricing arrangements will be furnished to meet the communications needs of specific customers on an Individual Case Basis (ICB) contract.

	<u>Nonrecurring Charge</u>		<u>Per Month</u>
	<u>First</u>	<u>Additional</u>	
Channel Termination			
Per Point of termination*	ICB	ICB	ICB
		<u>Per Month</u>	
	<u>Fixed</u>	<u>Per</u>	
	<u>Charge</u>	<u>Mile</u>	
Channel Mileage	ICB	ICB	
		<u>#Nonrecurring</u>	<u>Per</u>
		<u>Charge</u>	<u>Month</u>
Optional Features and Functions			
Multiplexing (per arrangement)		ICB	ICB

\* Subject to a minimum revenue guarantee of 12 months.

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 5000, 6000 or 10000 Channels.
- b. 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.

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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 of all charges for the service, each joint user shall be responsible for the payment of the charges billed to the joint user in accordance with the billing arrangements specified preceding.

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

C. RATES

Joint Use Arrangement	Per <u>Month</u>
Per joint user, per interexchange channel service so arranged.....	\$13.27
Per station terminal used to meet the communication requirements of each joint user.....	22.11

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SERVED DIRECT SERVICE

A. GENERAL

Served Direct Service is an arrangement for providing channels between two locations of the same customer in the same exchange in lieu of routing such channels through the wire center(s) serving the two locations. The service may be provided by specially placed facilities between the two locations or through the use of portions of existing distribution plant.

B. REGULATIONS

1. Served Direct Service consists of unconditioned voice grade channels in specified facility complements.
2. The customer is responsible for selecting the facility complement to meet his total channel requirement for a five-year period.
3. The customer is responsible for payment of the charges for the entire capacity provided regardless of the extent of utilization.
4. Served Direct Service will only be provided when the route measurement of the facility complement does not exceed one and one-half miles and in the judgment of the Telephone Company it is practical and feasible to do so.
5. The type and route of facilities provided is determined by the Telephone Company.
6. A two-wire channel requires one pair and a four-wire channel requires two pair.
7. The use of facilities provided for Served Direct Service must be made known to the Telephone Company by the customer.
8. When all or any part of a Served Direct Service is used as tie trunks or for extending branch exchange lines or lines from a customer-provided branch exchange or similar system, signaling arrangements are furnished for grandfathered and registered branch exchange or similar equipment in accordance with Part 68 of the Rules and Regulations of the Federal Communications Commission.
9. Signaling arrangements for use with Series 2000, Type 2014, 2022, 2125 and 2126 Channels are described in Section 3 of this tariff. Signaling arrangements for Series 2000, Type 2021 Channels are described in Section 3 of this tariff.

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SERVED DIRECT SERVICE

C. RATES

1. Facility Complement	Per Month		Termination Charge	
	1st 1/10 Mile*	Each Additional 1/10 Mile*	1st 1/10 Mile	Each Additional 1/10 Mile
Size				
25 Pair .....	\$ 78.00	\$ 56.00	\$ 2530.00 (60)	\$1770.00 (60)
50 Pair .....	91.00	60.00	2920.00 (60)	1885.00 (60)
100 Pair .....	110.00	67.00	3535.00 (60)	2110.00 (60)
200 Pair .....	175.00	85.00	5475.00 (60)	2625.00 (60)
300 Pair .....	230.00	105.00	7380.00 (60)	3105.00 (60)
400 Pair .....	290.00	120.00	9275.00 (60)	3575.00 (60)
600 Pair .....	415.00	160.00	13230.00 (60)	4680.00 (60)
900 Pair .....	590.00	205.00	18910.00 (60)	6090.00 (60)

The rates for facility complements preceding contemplate usual construction.

2. Individual Channels

When part of a facility complement is utilized as Series 1000, type 1150 Channels, Series 2000, type 2021 and 2022 Channels, Series 3000 or Series 11000 Channels, the rate for one local channel of the appropriate type as specified in Section 3, 4 and 10 respectively of this Tariff applies in addition to 1. preceding for each such channel.

3. Signaling Arrangements

a. Arrangements for Series 2000, Types 2014, 2022, 2125 and 2126

Rates and Charges are as specified in Section 3 of this tariff.

b. For Channels for Tie Trunk Use

Per  
Month

Arrangement to convert E&M to DX Signaling, per  
channel connection ..... \$11.79

\* Mileage is based on route measurement.

CUSTOMER OPERATING CENTER SERVICE

A. GENERAL

Customer Operating Center Service is a service arrangement for specified local channels and consists of dedicated complements of cable pairs between a Customer Operating Center and its serving wire center.

B. REGULATIONS

1. Explanation of Terms

a. Customer Operating Center

A Customer Operating Center is a customer location:

- (1) owned or leased by the customer over which the customer has control and provides security;
- (2) from which the customer furnishes and administers services to multiple patrons in a geographical area;
- (3) at which a system, or group of systems, is owned or leased by the customer whose operation is to receive signals and messages which are recorded, maintained, and supervised by the customer; and
- (4) at which the customer has regularly scheduled observers, operators and/or equipment in attendance at all times, which upon receipt of a signal or message from a patron, take such action as shall be required under the rules established by the customer for their/its guidance.

b. Patron

A patron is a subscriber to the service offered by the owner or lessee of a Customer Operating Center.

2. If, after subscribing to a dedicated complement of cable pairs of specified size, the customer wishes to decrease the number of pairs in the cable complement dedicated to his use, he must subscribe to a new complement of pairs and make payment of all applicable charges for both complements, including any outstanding termination charge.
3. When at the customer's request, a circuit or circuits within a dedicated complement are activated for use, nonrecurring and recurring charges apply for each circuit activated, as follows:
  - a. Nonrecurring charges apply for the type of channel as specified in this Company's General Services Tariff, Section 3. Channel connection charges are not applicable when the circuits used to provide COCS are already in use by the customer and no change in circuit type or provision is requested.

CUSTOMER OPERATING CENTER SERVICE

B. REGULATIONS (Cont'd)

3. (Cont'd)

b. Monthly rates apply as specified under C.2 and C.3 following and are based on the type of channel and the distance of the Customer Operating Center from its serving wire center as determined in accordance with C.2 following.

4. Customer Operating Center Service will only be furnished where the airline distance between the Customer Operating Center and its serving wire center does not exceed one and one-half miles.

5. Customer Operating Center Service is available for local channels for the following services:

a. Series 1000 Channels  
Type 1001

b. Series 2000 Channels  
(1) Type 2043  
(2) Type 2045  
(3) Type 2120

c. Series 3000 Channels  
(1) Type 3120 Channels  
(2) Type 3122 Channels

d. Select-A-Station Service  
Type 4041 Channels

6. The customer is responsible for selecting the dedicated complement of cable pairs to meet his channel requirements.

7. The customer is responsible for payment of the charges for the entire dedicated complement of cable pairs regardless of the extent of utilization.

C. RATES

1. Application of Rates

a. Rates for the dedicated complement of cable pairs are based on the size of the cable complement and the airline distance between the Customer Operating Center and its serving wire center.

b. Rates for each channel activated at the request of the customer are based on the channel type and the airline distance between the Customer Operating Center and its serving wire center.

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CUSTOMER OPERATING CENTER SERVICE

C. RATES (Cont'd)

2. Dedicated Complements of Cable Pairs, each

a. 100 Pair	<u>Termination Charge</u>	<u>Installation Charge</u>	<u>Per Month</u>
(1) 1/4 mile or less ..	\$11,700.00 (60)	\$1415.00	\$ 270.00
(2) Over 1/4 mile, up to and including 1/2 mile .....	25,200.00 (60)	1530.00	565.00
(3) Over 1/2 mile, up to and including 3/4 mile .....	36,300.00 (60)	1585.00	815.00
(4) Over 3/4 mile, up to and including 1 mile .....	54,600.00 (60)	1640.00	1225.00
(5) Over 1 mile, up to and including 1 1/4 mile .....	63,900.00 (60)	1750.00	1435.00
(6) Over 1 1/4 miles, up to and including 1 1/2 mile .....	74,100.00 (60)	1865.00	1665.00
b. 200 Pair			
(1) 1/4 mile or less ..	14,700.00 (60)	1510.00	340.00
(2) Over 1/4 mile, up to and including 1/2 mile .....	30,900.00 (60)	1620.00	700.00
(3) Over 1/2 mile, up to and including 3/4 mile .....	44,400.00 (60)	1675.00	1000.00
(4) Over 3/4 mile, up to and including 1 mile .....	66,300.00 (60)	1730.00	1490.00
(5) Over 1 mile, up to and including 1 1/4 mile .....	77,700.00 (60)	1845.00	1740.00
(6) Over 1 1/4 miles, up to and including 1 1/2 mile .....	90,000.00 (60)	1955.00	2015.00
c. 300 Pair			
(1) 1/4 mile or less ..	18,000.00 (60)	1600.00	415.00
(2) Over 1/4 mile, up to and including 1/2 mile .....	36,900.00 (60)	1710.00	840.00



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CUSTOMER OPERATING CENTER SERVICE

C. RATES (Cont'd)

2. Dedicated Complements of Cable Pairs, each (Cont'd)

c. 300 Pair(Cont'd)	Termination Charge	Installation Charge	Per Month
(3) Over 1/2 mile, up to and including 3/4 mile .....	\$ 52,800.00 (60)	\$1770.00	\$1195.00
(4) Over 3/4 mile, up to and including 1 mile .....	78,900.00 (60)	1825.00	1770.00
(5) Over 1 mile, up to and including 1 1/4 mile .....	92,100.00 (60)	1935.00	2065.00
(6) Over 1 1/4 miles, up to and including 1 1/2 mile .....	106,500.00 (60)	2045.00	2390.00
 d. 600 Pair			
(1) 1/4 mile or less ..	28,200.00 (60)	1765.00	650.00
(2) Over 1/4 mile, up to and including 1/2 mile .....	56,100.00 (60)	1875.00	1270.00
(3) Over 1/2 mile, up to and including 3/4 mile .....	79,500.00 (60)	1930.00	1795.00
(4) Over 3/4 mile, up to and including 1 mile .....	107,400.00 (60)	1990.00	2640.00
(5) Over 1 mile, up to and including 1 1/4 mile .....	136,800.00 (60)	2100.00	3075.00
(6) Over 1 1/4 miles, up to and including 1 1/2 mile .....	158,100.00 (60)	2210.00	3550.00
 e. 900 Pair			
(1) 1/4 mile or less ..	39,000.00 (60)	1930.00	895.00
(2) Over 1/4 mile, up to and including 1/2 mile .....	75,300.00 (60)	2040.00	1710.00
(3) Over 1/2 mile, up to and including 3/4 mile .....	105,900.00 (60)	2095.00	2390.00
(4) Over 3/4 mile, up to and including 1 mile .....	155,400.00 (60)	2150.00	3495.00

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CUSTOMER OPERATING CENTER SERVICE

C. RATES (Cont'd)

2. Dedicated Complements of Cable Pairs, each (Cont'd)

e. 900 Pair(Cont'd)	<u>Termination Charge</u>	<u>Installatio n Charge</u>	<u>Per Month</u>
(5) Over 1 mile, up to and including 1 1/4 mile .....	\$180,600.00 (60)	\$2265.00	\$4060.00
(6) Over 1 1/4 miles, up to and including 1 1/2 mile ..	208,500.00 (60)	2375.00	4680.00
f. 1200 Pair			
(1) 1/4 mile or less .....	48,000.00 (60)	2095.00	1110.00
(2) Over 1/4 mile, up to and including 1/2 mile .....	91,800.00 (60)	2205.00	2090.00
(3) Over 1/2 mile, up to and including 3/4 mile .....	128,700.00 (60)	2260.00	2910.00
(4) Over 3/4 mile, up to and including 1 mile .....	188,400.00 (60)	2315.00	4245.00
(5) Over 1 mile, up to and including 1 1/4 mile .....	219,000.00 (60)	2430.00	4930.00
(6) Over 1 1/4 miles, up to and including 1 1/2 mile ..	252,600.00 (60)	2540.00	5680.00

3. Circuits Activated, each

a. Series 1000 Channels, Type 1001.....	None
b. Series 2000 Channels	
(1) Type 2043 .....	None
(2) Type 2045 .....	1.00
(3) Type 2120	
(a) 1/4 mile or less .....	.05
(b) Over 1/4 mile, up to and including 1/2 mile .....	.10
(c) Over 1/2 mile, up to and including 3/4 mile .....	.30
(d) Over 3/4 mile, up to and including 1 mile .....	1.00
(e) Over 1 mile, up to and including 1 1/4 miles .....	2.25
(f) Over 1 1/4 miles, up to and including 1 1/2 miles .....	2.45

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CUSTOMER OPERATING CENTER SERVICE

C. RATES (Cont'd)

3. Circuits Activated, each (Cont'd)

c. Series 3000 Channels

Per  
Month

(1) Type 3120 Channels	
(a) 1/4 mile or less .....	\$ 9.00
(b) Over 1/4 mile, up to and including 1/2 mile ..	9.20
(c) Over 1/2 mile, up to and including 3/4 mile ..	9.40
(d) Over 3/4 mile, up to and including 1 mile ....	9.70
(e) Over 1 mile, up to and including 1 1/4 miles .	10.00
(f) Over 1 1/4 miles, up to and including 1 1/2 miles .....	10.25
(2) Type 3122 Channels	
(a) 1/4 mile or less .....	5.95
(b) Over 1/4 mile, up to and including 1/2 mile ..	6.90
(c) Over 1/2 mile, up to and including 3/4 mile ..	7.55
(d) Over 3/4 mile, up to and including 1 mile ....	12.75
(e) Over 1 mile, up to and including 1 1/4 miles .	16.50
(f) Over 1 1/4 miles, up to and including 1 1/2 miles .....	17.00

d. SELECT-A-STATION

Type 4041

1 1/2 miles or less..... 10.75

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Frontier Communications of Virginia, Inc.

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Digital Service-Voice (Effective 5/11/03 - LA-3\*)

A. GENERAL

Digital Service-Voice 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 to be provided on the customer's premises to terminate the T1 (DS1) facility. This customer premises equipment (CPE) must be compatible with the equipment in the Company's Central Office serving the customer.

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

1. The voice grade channels will then terminate in a local switch to provide the customer with POTS type services.
2. The Company will, if necessary, further route the high-speed (bonded into a 256kbps, 384kbps, 512kbps or 768kbps channel) data signals within the same Local Access Transport Area (LATA) between the digital hubbing arrangement in the customer's serving central office and a second, suitable digital hubbing arrangement in a distant central office. No additional interoffice mileage charges shall apply. At either the customer's serving central office or the distant Verizon central office, the bonded channel which is terminated in a digital hubbing arrangement can be electronically connected at the customer's direction to a compatible bonded channel designated by the customer and in turn transported to the location specified by the customer or its authorized representative.

B. REGULATIONS

1. Service Options

Customers are offered the following four options in determining how the available bandwidth on the single high-capacity T1 facility shall be allocated:

Digital Service-Voice 256: Four (4) DSO channels are linked to provide one 256 kbps channel for high-speed data access, leaving a total of twenty (20) DSO channels available for voice-grade signals.

Digital Service-Voice 384: Six (6) DSO channels are linked to provide one 384 kbps channel for high-speed data access, leaving a total of eighteen (18) DSO channels available for voice-grade signals.

Digital Service-Voice 512: Eight (8) DSO channels are linked to provide one 512 kbps channel for high-speed data access, leaving a total of sixteen (16) DSO channels available for voice-grade signals.

Digital Service-Voice 768: Twelve (12) DSO channels are linked to provide one 768 kbps channel for high-speed data access, leaving a total of twelve (12) DSO channels available for voice-grade signals.

\* See General Regulations Tariff S.C.C.-Va.-No. 1, Section 3, Page 1.

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Original Page 2

Digital Service-Voice (Effective 5/11/03 - LA-3\*)

B. REGULATIONS (Cont'd)

2. Feature Packages

The Digital Service-Voice package is a discount billing arrangement for business customers who subscribe to one of the following Digital Service-Voice feature packages.

Package No.	<u>Package Features</u>
1	Call Waiting, Call Forwarding, Main Telephone Number Redirect & Three-way Calling
2	Call Forwarding, Main Telephone Number Redirect, Caller ID with Name & Three-way Calling
3	Call Waiting, Call Forwarding, Main Telephone Number Redirect & Call Waiting ID with Name
4	Call Waiting, Call Forwarding, Main Telephone Number Redirect, Call Waiting ID with Name & Three-way Calling
5	Call Waiting, Call Forwarding & Call Waiting ID with Name
6	Call Forwarding, Three-way Calling & Caller ID with Name
7	Call Waiting, Three-way Calling & Call Waiting ID with Name

Both the Digital Service-Voice Feature packages described above and the Custom Calling Services features that are offered to subscribers of Communication System service, described in the General Services Tariff, are available to Digital Service-Voice customers.

3. Availability of Service

- a. High Capacity Channels require special equipment and will be provided only from those wire centers equipped for digital transmission. The wire centers equipped to furnish 1.544 Mbps High Capacity Channel service have been or will be designated by the Telephone Company. A service inquiry must be made to determine availability of service.
  - b. When the components required to provide service are not available, and when mutually agreed to by both the customer and Telephone Company, special construction may be undertaken to provide the required service. In such cases, charges based on costs apply.
4. The Telephone Company's responsibility ends at the Rate Demarcation Point and does not include maintaining operational capability of customer-provided equipment. Customers must provide and maintain terminal equipment at their expense. AC power and adequate room environment must be provided by the customer.

\* See General Regulations Tariff S.C.C.-Va.-No. 1, Section 3, Page 1.

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Digital Service-Voice (Effective 5/11/03 - LA-3\*)

B. REGULATIONS (Cont'd)

5. The customer will be required to provide the technically compatible CPE needed to operate the service. The CPE is a Channel Bank which will terminate on the customer's side of the demarcation point and provide the de-multiplexing which will separate the channels and provide the analog dial tone lines, e.g. 20 lines, and the data channel, e.g. 256Kbps. The bonded data channels will be assigned to the first channels of the system. For example, Digital Service-Voice 256 will use channels 1 through 4 for the bonded data channels.

6. Termination Liability

The minimum service period for Digital Service-Voice is one year. If service is terminated prior to the one-year period, the customer is responsible for the balance of the monthly recurring charge for the remainder of the one-year period. If a customer terminates service within the first year of a two- or three-year agreement, the customer is responsible for 100% of the recurring charges for the balance of the minimum service period plus 30% of the unpaid balance remaining in the selected service agreement period.

Customers may convert from a one-, two-, or three-year service agreement or to a different Digital Service-Voice Package without incurring a termination liability charge as long as the service agreement is equal to or greater than the customer's current service agreement period.

C. RATES

	<u>Monthly</u> <u>Rate</u>	<u>Nonrecurring</u>
1. Digital Service-Voice †ø7 Options		
Month-to-Month		
Digital Service-Voice 256 .....	\$ 585.00	
Digital Service-Voice 384 .....	\$ 630.00	
Digital Service-Voice 512 .....	\$ 698.00	
Digital Service-Voice 768 .....	\$ 788.00	

† Monthly rate includes the supporting individual business line and Communication System access line.

ø Monthly rate does not include the supporting Communication System features or Digital Service-Voice features.

7 The monthly rate applies whether or not all of the DSO channels have been activated and are being utilized.

\* See General Regulations Tariff S.C.C.-Va.-No. 1, Section 3, Page 1.

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Digital Service-Voice (Effective 5/11/03 - LA-3\*)

C. RATES

	<u>Monthly Rate</u>	<u>Nonrecurring</u>
1. Digital Service-Voice †Ø7 Options (Cont'd)		
2-Yr. Contract		
Digital Service-Voice 256 .....	\$ 553.00	
Digital Service-Voice 384 .....	\$ 595.00	
Digital Service-Voice 512 .....	\$ 659.00	
Digital Service-Voice 768 .....	\$ 744.00	
3-Yr. Contract		
Digital Service-Voice 256 .....	\$ 534.00	
Digital Service-Voice 384 .....	\$ 560.00	
Digital Service-Voice 512 .....	\$ 620.00	
Digital Service-Voice 768 .....	\$ 700.00	
Installation - Initial system.....		\$600.00
Installation - Each additional system installed at the same time and place.....		\$350.00
Change in existing Service Options (e.g., from Digital Service-Voice 256 to Digital Service-Voice 768).....		\$450.00
Features added after initial installation:		
Communication System features .....		\$ 25.00/line
Digital Service-Voice features .....		\$ 10.00/line

† Monthly rate includes the supporting individual business line and Communication System access line.

Ø Monthly rate does not include the supporting Communication System features or Digital Service-Voice features.

7 The monthly rate applies whether or not all of the DSO channels have been activated and are being utilized.

\* See General Regulations Tariff S.C.C.-Va.-No. 1, Section 3, Page 1.

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Digital Service-Voice (Effective 5/11/03 - LA-3\*)

C. RATES (Cont'd)

2. Digital Service-Voice Feature Packages Service Options, per voice grade channel		<u>Monthly</u>
Digital Service-Voice Feature Package 1 -		
Call Waiting, Call Forwarding, Main Telephone Number Redirect, & Three-way Calling.....		\$6.00
Digital Service-Voice Feature Package 2 -		
Call Forwarding, Main Telephone Number Redirect,, Caller ID with Name & Three-way Calling.....		6.00
Digital Service-Voice Feature Package 3 -		
Call Waiting, Call Forwarding, Main Telephone Number Redirect,, & Call Waiting ID with Name.....		6.00
Digital Service-Voice Feature Package 4 -		
Call Waiting, Call Forwarding, Main Telephone Number Redirect, Call Waiting ID with Name & Three-way Calling.....		7.00
Digital Service-Voice Feature Package 5 -		
Call Waiting, Call Forwarding & Call Waiting ID with Name.....		5.00
Digital Service-Voice Feature Package 6 -		
Call Forwarding, Three-Way Calling, & Caller ID with Name.....		5.00
Digital Service-Voice Feature Package 7 -		
Call Waiting, Three-way Calling, & Call Waiting ID with Name.....		5.00
3. Communication System Feature Package, per voice grade channel		5.00

\* See General Regulations Tariff S.C.C.-Va.-No. 1, Section 3, Page 1.



DIGITAL SERVICE-VOICE, LD AND INTERNET

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 customer's serving central office.

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.

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

Analog Voice Service (local exchange lines, PBX trunks, Full Features Business Voice System voice grade private lines),

Dedicated Access at speeds of 256Kbps, 384Kbps, 512Kbps 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 DS-1 facility. Additional activity subsequent to the initial installation is required on a DS0 basis if capacity is available.

B. REGULATIONS

1. Digital Service-Voice, LD and Internet is provided subject to the availability of facilities.
2. Digital Service-Voice, LD and Internet is available on a digital basis at the network interface on the customer's premises.
3. Digital Service-Voice, LD and Internet arrangements must have at least one DS0 equivalent channel activated. The total number of activated by the customer may not at any time exceed the total Digital Service-Voice, LD and Internet capacity.

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DIGITAL SERVICE-VOICE, LD AND INTERNET

B. REGULATIONS (Cont'd)

4. 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-Voice, LD and Internet system(s).
5. Direct Inward Dialing capability is available on PBX trunks at the rates specified in General Services Tariff, S.C.C.-Va. No. 3.
6. Customers can elect one of three 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, and (c) under a three-year commitment.
7. Termination Liability

The minimum service period for Digital Service-Voice, LD and Internet is one year. 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:  $25\% \times \text{MRC} \times \# \text{ of Lines/Channels/Paths} \times \text{Remainder of Term} = \text{Termination Charge}$ .

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.

Customers may convert from a one-, two-, three-year, or five-year service agreement, or to a different Digital Service Voice, LD, Internet package, without incurring a termination liability charge, as long as the service agreement is equal to or greater than the customer's current service periods.

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

- a. 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;

DIGITAL SERVICE-VOICE, LD AND INTERNET

B. REGULATIONS (Cont'd)

7. Termination Liability (Continued)

Early termination charges will not be assessed under the following circumstances: (Con't)

- b. Customer attempts to move the existing service to a new location within Company's service area, but the service is unavailable;
- c. 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
- d. 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.

End of Term Options

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:

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

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.

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DIGITAL SERVICE-VOICE, LD AND INTERNET

B. REGULATIONS (Cont'd)

8. 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.
9. 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.
10. The Company undertakes to maintain and repair the facilities that 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.

DIGITAL SERVICE-VOICE, LD AND INTERNET

B. REGULATIONS (Cont'd)

11. Feature Packages

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

<u>Package No.</u>	<u>Package Features</u>
1	Call Waiting, Call Forwarding, Main Telephone Number Redirect & Three-way Calling
2	Call Forwarding, Main Telephone Number Redirect, Caller ID with Name & Three-way Calling
3	Call Waiting, Call Forwarding, Main Telephone Number Redirect & Call Waiting ID with Name
4	Call Waiting, Call Forwarding, Main Telephone Number Redirect, Call Waiting ID with Name & Three-way Calling
5	Call Waiting, Call Forwarding & Call Waiting ID with Name
6	Call Forwarding, Three-way Calling & Caller ID with Name
7	Call Waiting, Three-way Calling & Call Waiting ID with Name

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DIGITAL SERVICE-VOICE, LD AND INTERNET

C. RATES

	<u>Monthly Rate</u>	<u>Nonrecurring</u>
1. Digital Service-Voice, LD and Internet		
C.O. Capacity of 24 Channels		
One-Year <sup>1</sup> .....	\$ 214.50	
Two-Year <sup>1</sup> .....	\$ 187.00	
Three-Year <sup>1</sup> .....	\$ 159.50	
Five-Year <sup>1</sup> .....	\$ 143.00	
Service Activation		
Initial DS1 .....		\$ 1.00
Each Additional DS1 .....		25.00
Subsequent Installation, per DS0 .....		25.00
System Rearrangement .....		200.00
Analog Line/PBS Trunk/Communication System, Full Featured Business Voice Service.....		
Month-to-Month .....	\$5.00	
One-Year.....	\$5.00	
Two-Year.....	\$5.00	
Three-Year.....	\$5.00	
Five-Year.....	\$5.00	
Voice Grade Connectivity.....	1.00	
Intraoffice Channel, Per Channel.....	7.00	
Interoffice Channel, Per Channel.....	12.00	
Direct Inward Dialing (DID) <sup>2</sup> .....		
Digital Service-Voice specific Direct Inward Dialing .....	18.00	
DID) FlexCapability in addition to trunk .....		
Service Level Grooming		
Level 4 (256 Kbps) .....	2.00	
Level 6 (384 Kbps) .....	3.00	
Level 8 (512 Kbps) .....	3.00	
Level 12 (768 Kbps) .....	3.00	

<sup>1</sup>Any customer who does not renew or change their term arrangement prior to the end of their initial commitment period will be converted to Month-to-Month billing at a rate equivalent to the One-Year term rate.

<sup>2</sup>Refer to General Services Tariff, S.C.C.-Va. No. 3, Section 6, for rates for DID Station Numbers and DID dial tone line termination.

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DIGITAL SERVICE-VOICE, LD AND INTERNET

C. RATES (Cont'd)

2. Digital Service-Voice, LD and Internet Feature  
Packages Service Options, per voice grade channel

	<u>Monthly</u>	<u>Nonrecurring</u>
Digital Service-Voice, LD and Internet Feature Package 1 - Call Waiting, Call Forwarding, Main Telephone Number Redirect & Three-way Calling.....	\$6.00	
Digital Service-Voice, LD and Internet Feature Package 2 - Call Forwarding, Main Telephone Number Redirect, Caller ID with Name & Three-way Calling.....	6.00	
Digital Service-Voice, LD and Internet Feature Package 3 - Call Waiting, Call Forwarding, Main Telephone Number Redirect, & Call Waiting ID with Name.....	6.00	
Digital Service-Voice, LD and Internet Feature Package 4 - Call Waiting, Call Forwarding, Main Telephone Number Redirect, Call Waiting ID with Name & Three-way Calling.....	7.00	
Digital Service-Voice, LD and Internet Feature Package 5 - Call Waiting, Call Forwarding & Call Waiting ID with Name.....	5.00	
Digital Service-Voice, LD and Internet Feature Package 6 - Call Forwarding, Three-Way Calling, & Caller ID with Name.....	5.00	
Digital Service-Voice, LD and Internet Feature Package 7 - Call Waiting, Three-way Calling, & Call Waiting ID with Name.....	5.00	
3. Communication and Full Featured Business Voice Service Standard Features.....		5.00
4. Features added after Initial Installation:		
Full Features Business Voice Service, per line...		\$25.00
Digital Service-Voice, LD and Internet, per line.		10.00

CHANNEL SERVICES TARIFF  
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DS1 CYBER SERVICE

A. GENERAL

1. DS1 Cyber Service provides network dial tone service between a customer's premises and the local serving office on a channelized basis (DS0) over a single high-capacity (DS1) digital facility that terminates on the trunk side of the switch in the local serving office. DS1 Cyber Service is available for data dialed access use.
2. DS1 Cyber Service is provided in capacity increments of 24 digital channels within a single DS1 (1.544 Mbps) signal.
3. DS1 Cyber Service provides a trunkside DS1 connection with 24 channels. DS1 Cyber Service does not provide the function of analog to digital (or vice versa) conversions, and no service types can be specified on the DS1.
4. DS1 Cyber Service is comprised of a DS1 Cyber Service Capacity component:
  - a. The DS1 Cyber Service Capacity will be at the rates and charges as specified in Section F.
  - b. DS1 Cyber Service customers will have to select capacity in increments of 24 digital channels.
5. Customers will be offered DS1 Cyber Service on a month-to-month basis, a 12-, 24-, or 36-month term commitment or a term and volume plan (TVP).

B. DIGITAL ARCHITECTURE

1. DS1 Cyber Service differs in provisioning method and numbering format from end-to-end services. These services will be available from the Company on a link basis rather than as an end-to-end service. This architecture is intended to promote more efficient connectivity of analog and digital networks.
2. The time required to provision service is known as the service date interval. The service date interval for DS1 Cyber Service and related network services connected to DS1 Cyber Service will differ from the normal guidelines applicable to end-to-end services.
3. DS1 Cyber Service will be available on a digital basis at the network interface on a customer's premises. Both the Company and the customer have joint responsibilities to ensure the proper transmission of the provided services. Normal analog channel network interface specifications will be superseded by the electrical specifications on the 1.544 Mbps (DS1) channel which is actually terminated. Each digital channel provided will have an identity only as a "time slot" within a DS1 Channel. Compatible digital to analog conversion equipment must be provided by the customer to derive the desired analog service. Any Channel Service Units (CSUs) necessary for digital services are the responsibility of the customer.



DS1 CYBER SERVICE

C. DEFINITIONS

Channel Service Unit (CSU)

The term CSU denotes network channel terminating equipment provided by the customer to terminate digital channel facilities on a customer's or user's premises.

DS1CYBER SERVICE Capacity

A DS1 signal between the customer premises and the central office. This digital link can be used to transport switched data services. DS1 Cyber Service is available in increments of 24 digital channels.

DS0

The term DS0 denotes a channel service expressed in terms of its digitally encoded data bit rate in accordance with the North American hierarchy of digital signal levels. It is generally referred to as having a 64 Kbps transmission bit rate signal; however, customer transmitted bit rates are limited to 56 Kbps. The required format and interface specifications are stated in Section 7000 of the Verizon Technical Interface Reference Manual.

DS1

The term DS1 denotes a channel service expressed in terms of its digitally encoded bit rate in accordance with the North American hierarchy of digital signal levels. It has a 1.544 Mbps transmission data rate and provides for the two-way simultaneous transmission of isochronous timed bit stream format. Unframed signal formats are not permitted or compatible with Company equipment. The required format and interface specifications are stated in Section 7000 of the Verizon Technical Interface Reference Manual.

D. REGULATIONS

1. DS1 Cyber Service is furnished subject to the availability of facilities from digital central office equipment located in a central office building owned or leased by the Company. Clear Channel Capability (B8ZS) will be provided where available.
2. DS1 Cyber Service is available within an exchange where appropriate digital facilities are available as determined by the Company. Service inquiries will be necessary to determine availability. Special Construction Charges as specified in Section 2 of this Tariff may be applicable.
3. Foreign Exchange Service for DS1 Cyber Service is available. Charges will apply, as specified in the Company's tariffs.

DS1CYBER SERVICE

D. REGULATIONS (Cont'd)

4. All DS1 Cyber Service must be channelized in a single equipment location on a customer's premises. DS1 Cyber Service cannot be split between premises, or multiple locations within a premise. Standard network interfaces, without Integrated Services Digital Network (ISDN) signaling and without any line type features, will be provided by the Company for analog and digital services consistent with existing practices.
5. The technical specifications and standard network interface for DS1 and associated channelized services are stated in Section 7000 of the Verizon Technical Interface Reference Manual.

E. APPLICATION OF RATES

1. The DS1 Cyber Service Capacity rate is applicable to each DS1 Cyber Service.
2. The DS1 Cyber Service Capacity element provides for the network facility to the customer premises and the central office channelization.
3. DS1 Cyber Service is available on a month-to-month basis or on a 12-, 24-, or 36-month term commitment plan or term and volume plan (TVP). Changes between service periods, (i.e., month-to-month, term commitment plan or TVP) will incur a Subsequent Service Order Charge as specified in Section 5, Service Charges of this Tariff.
4. TVP customers may change the number of DS1 Cyber Services during the term period. In the event customers under a TVP make subsequent DS1 Cyber Service increases or decreases that cause the total number of DS1 Cyber Services to fall within a different threshold level, all remaining DS1 Cyber Services will be billed at the applicable level rate for the remainder of the term period. TVP customers may not change to a month-to-month or term commitment offering and must maintain the minimum threshold of six (6) DS1 Cyber Services for the term period to avoid incurring termination liability charges.
5. Customers on a term commitment plan may convert to a TVP without incurring termination liability charges provided the new TVP length is equal to or greater than the existing term commitment plan and the customer has less than twelve (12) months remaining on their existing term commitment plan.
6. In the event DS1 Cyber Service is terminated by the customer prior to the completion of the current term commitment plan or TVP period, Termination Liability as found in Section 2, Termination Liability will apply.
7. Transfer of service responsibility between customers is permitted subject to the rules and regulations as specified in Section 2, Supersedure of this Tariff.
8. Unless specified herein, rules and regulations contained in General Regulations Tariffs No. 1 are also applicable to DS1 Cyber Service.

DS1CYBER SERVICE

E. APPLICATION OF RATES (Cont'd)

9. DS1 Cyber Service Credit - For each increment of 24 digital channels, a credit equal to 100% of the applicable interstate Subscriber Line Charge\* will be applied to 22 of the 24 channels.

F. RATES AND CHARGES

	<u>Nonrecurring Charge</u>		
DS1 Cyber Service Capacity, per DS1	\$500.00		
		<u>Monthly Rate</u>	
Month-to-month, Per DS1		\$750.00	
	<u>Monthly Rate</u>		
	<u>12 Month</u>	<u>24-Month</u>	<u>36-Month</u>
<u>Term Commitment Plan</u>			
Per DS1	\$725.00	\$675.00	\$600.00
<u>Term and Volume Plan (TVP)</u>			
DS1 Threshold Levels:			
6-10	675.00	625.00	550.00
11-20	600.00	550.00	450.00
21 and over	500.00	450.00	375.00

\* Non-Regulated Service Charge