

Verizon North LLC

MILEAGE CHARGES

A. EXCHANGE LINE

1. The following is a schedule of zone charges that apply in addition to the monthly charges as specified in Section 32 for the Emmaus and Hershey exchanges.

	<u>1-Party</u>
Zone A	\$.70
Zone B	1.40
Zone C	2.10
Zone D	2.80

B. INTRAEXCHANGE STATION LINE

When a station, bell, gong, or PBX station is located in a building separate and apart from that housing the primary station, an additional monthly charge applies to that portion of the line extending beyond the building in which the primary station is installed. The charge is computed on airline measurement from the point of exit from the main building to the entrance point of the other building per line, as follows:

	<u>Monthly Charge</u>
When the two buildings are on the same premises and are not separated by intervening buildings or by a public thoroughfare, for each 1/10 mile or fraction thereof	\$1.15
When the buildings are on separate premises or are separated by a public thoroughfare, for each 1/4 mile or fraction thereof	2.80

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C. FOREIGN EXCHANGE SERVICE

1.
 - a. Foreign exchange service is primary exchange service or information-system access lines furnished from an exchange (the serving exchange) which does not normally serve the area in which the customer to such service is located.
 - b. Foreign exchange service is not offered as a normal or customary form of telephone service. However, when facilities are available, and service conditions permit, the Company may furnish this service subject to the following regulations and rates.
2. This service is furnished only with individual line service, PBX service, key lines, and information-system access lines, except as otherwise specified in this Product Guide. When foreign exchange is furnished by means of a branch exchange trunk line, connections to the trunk at the branch exchange switchboard are restricted to the stations connected with and in the immediate vicinity of the branch exchange switchboard.
3. Intracompany Foreign Exchange Service

Subscribers to Foreign Exchange Service are required to contract for service in the exchange from which they would normally be served and to limit the use of the foreign exchange service to calls within the local service area of that foreign exchange. This Company will provide service to the subscriber at the individual line, key system or trunk rate at the foreign exchange.
4. Intercompany Foreign Exchange Service
 - a. Subscribers to foreign exchange service are required to contract for access line service in the exchange from which they would normally be served and to limit the use of the foreign exchange service to calls within the local service area of that foreign exchange. This company will rent a terminal in the foreign exchange and provide it to the subscriber at the individual line or trunk rate at the foreign exchange.
 - b. Intralata foreign exchange loop charges for Intralata, Intercompany Foreign Exchange Service in a specific exchange, there will be a charge for the local loop that is equal to 85% of the business one-party rate of that exchange for business customers, and 85% of the residence one-party rate of that exchange for residence customers.
5. There are several combinations of service conditions which determine how charges for foreign exchange service will be computed and billed. These conditions are:

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MILEAGE CHARGES

C. FOREIGN EXCHANGE SERVICE (Cont'd)

5. (Cont'd)

- a. Where the customer is located.
- b. Where the telephone service is coming from.
- c. Whether or not there is a toll charge between the two areas involved.
- d. Whether more than one telephone is required to provide the service.

There are a number of combinations of the factors listed above and each is considered and treated separately.

6. Monthly Charges

The following can be used to determine foreign exchange mileage charges:

- a. Within the serving company (Intracompany)
Adjacent exchanges
Toll charge between exchanges

Only individual lines, key lines, and PBX trunks are offered.

The distance is measured airline from the central office of the normal exchange to the central office of the foreign exchange.

Monthly rates - per mile or fraction \$ 10.00 per line

Exchange zone charges, where applicable, will be charged per the rates of A. above.

A supplemental charge of \$3.60 for each \$.01 multiple of the day station-to-station initial period message toll rate between the normal exchange and the foreign exchange.

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MILEAGE CHARGES

C. FOREIGN EXCHANGE SERVICE (Cont'd)

6. Monthly Charges (Cont'd)

- b. Within the serving company (Intracompany)
Adjacent exchange
No toll charge between exchanges (local calling area)

Only individual lines, key lines and PBX trunks are offered.

The distance is measured airline from the central office of the normal exchange to the central office of the foreign exchange.

Monthly rate - each mile or fraction \$ 10.00 per line

Exchange zone charges, where applicable, will be charged per the rates of A. above.

- c. Within the serving company (Intracompany)
Non-adjacent exchanges
Whether toll charge or local service between exchanges

Only individual lines, key lines and PBX trunks are offered.

The distance is measured airline from the central office of the normal exchange to the central office of the foreign exchange.

Monthly rates - per mile or fraction \$ 10.00 per line

Exchange zone charges, where applicable, will be charged per the rates of A. above.

A supplemental charge of \$3.60 for each \$.01 multiple of the day station-to-station initial period message toll rate between the normal exchange and the foreign exchange. Such charge does not apply if the local and foreign exchanges are in the same local calling area.

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MILEAGE CHARGES

C. FOREIGN EXCHANGE SERVICE (Cont'd)

6. Monthly Charges (Cont'd)

d. When service is furnished jointly by two telephone companies

(Intercompany Foreign Exchange Service)

Non-adjacent exchanges (Toll or Local Calling)

Only individual lines, key lines and PBX trunks are offered.

The distance is measured airline from the central office of the exchange in which the customer is located (normal exchange) to the point of connection with other telephone company.

Monthly rate - per mile or fraction \$ 10.00 per line

Outside the territory of this Company, such mileage charges as provided by tariffs and/or Product Guides of other participating companies.

A supplemental charge of \$3.60 for each \$.01 multiple of the day station-to-station initial period message toll rate between the normal exchange and the foreign exchange. Such charge does not apply if the local and foreign exchanges are in the same local service area or a similar charge is made by the company in whose territory the subscriber is located.

Exchange zone charges where applicable will be charged per the rates of A. above.

Special repeaters where required for satisfactory transmission and/or signaling will be provided at \$15.00 per month each.

e. When service is furnished jointly by two telephone companies

(Intercompany Foreign Exchange Service)

Adjacent Exchanges

Toll charge between exchanges

This company is Serving Company (Outgoing)

Only individual lines, key lines, and PBX trunks are offered.

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MILEAGE CHARGES

C. FOREIGN EXCHANGE SERVICE (Cont'd)

6. Monthly Charges (Cont'd)

e. (Cont'd)

The distance is measured airline from the central office of the serving exchange to the boundary line of the adjoining company.

Monthly rate - per mile or fraction \$ 10.00 per line

A supplemental charge of \$3.60 for each \$.01 multiple of the day station-to-station initial period message toll rate between the normal exchange and the foreign exchange unless a similar charge is made by the adjoining company.

Special repeaters where required for satisfactory transmission and/or signaling will be provided at \$15.00 per month each.

f. When service is furnished jointly by two telephone companies (Intercompany Foreign Exchange Service)

Adjacent Exchanges

Toll charge between exchanges

Connecting Company is Serving Company (Incoming)

The distance is measured airline from the central office of the normal exchange to the point of connection with the lines of the other telephone company.

Monthly rates, each mile or fraction

Individual line, key line or PBX Trunk \$ 10.00 per line

Outside the territory of this Company, such mileage charges as provided by tariffs and/or Product Guides of other participating companies.

A supplemental charge of \$3.60 for each \$.01 multiple of the day station-to-station initial period message toll rate between the normal exchange and the foreign exchange.

Exchange zone charges where applicable will be charged per the rates of A. above.

Special repeaters where required for satisfactory transmission and/or signaling will be provided at \$15.00 per month each.

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MILEAGE CHARGES

C. FOREIGN EXCHANGE SERVICE (Cont'd)

6. Monthly Charges (Cont'd)

- g. When service is furnished jointly by two telephone companies
(Intercompany Foreign Exchange Service)
Adjacent Exchanges
No toll charge between exchanges (local calling area)
This company is Serving Company (Outgoing)

Only individual lines, key lines and PBX trunks are offered.

The distance is measured airline from the central office of the serving exchange to the boundary of the adjoining company.

Monthly rate - each mile or fraction \$ 10.00 per line

Special repeaters where required for satisfactory transmission and/or signaling will be provided at \$15.00 per month each.

- h. When service is jointly furnished by two telephone companies
(Intercompany Foreign Exchange Service)
Adjacent Exchanges
No toll charge between exchanges (local calling area)
Connecting Company is Serving Company (Incoming)

The airline distance is measured from the central office to the point of connection with the lines of the connecting company.

Monthly rate - each mile or fraction
Individual line, key line, PBX trunk \$ 10.00 per line

Outside the territory of this Company, such mileage charges as provided by tariffs and/or Product Guides of other participating companies.

Exchange zone charges where applicable will be charged per the rates of A. above.

Special repeaters where required for satisfactory transmission and/or signaling will be provided at \$15.00 per month each.

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MILEAGE CHARGES

D. LEASED LINES

1. When available or when they can be conveniently provided at reasonable cost, the Company's wire facilities will be leased for private and special use to either the general public or other carriers under the following terms and conditions:

Monthly
Charge

For each 1/4 mile or fraction thereof \$ 3.30

2. The minimum monthly charge for any leased lines or circuit is equivalent to the applied rate for 1/2 mile.
3. When the terminating points of a private line facility are located within the same central office area or exchange, mileage will be measured by actual circuit distance via the normal cable route.
4. When the terminating points of a private line facility are located in different central office areas or exchanges, mileage will be measured in airline miles between central offices via the normal toll route. Local channels from terminal point to each central office will be measured as stated in 3. above.
5. If a portion of a channel is provided by another company, any established charges applied by that company are in addition to the charges of this Company and any established regulations of that company apply to the use of the channel between points in its operating territory and points outside of that territory.

E. INTEREXCHANGE OFF-PREMISE STATION OR PBX STATION

1. When a subscriber of this Company desires a station or PBX station extended to a location in another exchange, the rate for the service is comprised of the following monthly charges:
 - a. For Off-premises Stations (Intercompany)
 - (1) An interexchange channel charge of \$10.00 per mile or fraction thereof, airline measurement from the serving central office to the exchange boundary point of channel connection with the participating company.
 - (2) Outside the territory of this Company, the other company's station charge, its local channel charge and in addition such mileage charges as provided in its Product Guide.

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MILEAGE CHARGES

E. INTEREXCHANGE OFF-PREMISE STATION OR PBX STATION (Cont'd)

1. (Cont'd)

a. For Off-Premises Stations (Intercompany) (Cont'd)

- (3) The charge of \$3.60 for each \$.01 multiple of the day station-to-station rate between the primary exchange rate center and the off-premise station exchange rate center.

b. For Off-premise Stations (Intracompany)

Charges under a. (1) and (3) apply in addition to this Company's station and local channel charge.

c. Off-premises PBX Station

- (1) A local channel charge of \$6.00 for the first 1/2 mile or fraction plus \$3.00 for each additional 1/4 mile or fraction measured airline, from the center of the PBX building location to the serving central office.
 - (2) In addition, the charges under a. (1), (2), and (3) above apply.
- 2. Subscribers for off-premise station and PBX stations are required to contract for regular service in the exchange providing service at the location of the off-premise station or PBX station. The off-premise stations or PBX stations are not to be used to originate message toll calls, but limited to calls within the local service area of the originating service or PBX.
 - 3. When a subscriber of another company desires a station or PBX station to be located in the territory of this Company, the charges made by this Company to the contracting company will consist of the charge for the station, local channel, and that portion of the interexchange channel as provided in a. (1) above, and the supplemental charge as provided in a. (3) above applies unless the contracting company makes a similar supplemental charge, in which case it is reduced by 50%.
 - 4. If repeaters are required to provide satisfactory transmission and/or signaling, an additional charge will be made to cover the carrying charges on this equipment.

MILEAGE CHARGES

F. DIGITAL DATA SERVICE

1. Description of Service

Facilities for Digital Data Service (DDS) are furnished for the simultaneous two-way transmission of synchronous data and are available at transmission speeds of: 2.4 kbps, 4.8 kbps, 9.6 kbps, 19.2 kbps, 56 kbps or 64 kbps. Digital Data facilities may be provided on a two-point or multipoint basis with the exception of 19.2 kbps and 64 kbps which are available only on a two-point basis.

The following rate elements are applicable to Digital Data Service:

a. Special Access Line

The Special Access Line (SAL) provides the transmission facilities to a customer designated location or the facilities between a customer designated location and the serving wire center.

b. Transport Facility

The Transport Facility rate element provides for the transmission facilities between the serving central offices of a multioffice exchange or serving wire centers associated with two customer designated locations or between the serving wire center associated with a customer designated location and a Hub Wire Center if bridging services are required. The Transport Facility rate element is distance sensitive and based on airline mileage between two wire centers.

c. Bridging

Provides for a multi-junction unit (MJU) arrangement to bridge 2.4 kbps, 4.8 kbps, 9.6 kbps, or 56 kbps DDS facilities. Different speeds cannot be mixed on the same bridge. This function is provided on a per port basis.

2. Application of Rates

a. Ordering Charges

The Service Ordering Charges as set forth in Section 33 of this Product Guide will apply to the ordering of Digital Data Service.

b. Special Access Line

- (1) One installation charge applies per DDS Special Access Line.
- (2) One DDS Special Access Line monthly charge applies per customer designated location at which the DDS facility is terminated. This charge applies even if the facilities to the customer designated location do not transit a serving wire center. The charge also applies if the customer designated location and the serving wire center are co-located in a Company building.

MILEAGE CHARGES

F. DIGITAL DATA SERVICE (Cont'd)

2. Application of Rates (Cont'd)

c. Transport Facility

The mileage used to determine the monthly rate for the DDS Transport Facility is calculated on the airline distance between the serving wire centers involved. Where the calculated miles include a fraction, the value is always rounded up to the next full mile. Where the calculated value is zero, no Transport mileage is charged.

When a Hub Wire Center is involved for bridging purposes, the Transport mileage will be measured from the Hub Wire Center to the serving wire center of each customer designated location connected to the hubbed facilities. Mileage is calculated for each section and rates are applied accordingly.

The rates for the mileage are applied per airline mile.

d. Bridging

One DDS Bridging charge applies per port.

e. DDS Optional Payment Plan (OPP)

(1) General

- (a) Only the Special Access Line (SAL) rate element is available under an OPP. All other associated rate elements or additional features are available at the standard month-to-month rates and regulations.
- (b) Installation charges do not apply to DDS OPP arrangements.
- (c) Three year and five year OPP rates will be equal to or less than the one year OPP rates. Decreases to the one year OPP will flow through to the three year and five year OPP.
- (d) Payment periods of one year, three year, and five year are available to all customers at the applicable rates set forth in Paragraph D. regardless of when they subscribe to an OPP arrangement.
- (e) The customer must designate on the order the payment period for the OPP.
- (f) Inside moves, provided in accordance with Paragraph 5.6.4 in Tariff Telephone-Pa. P.U.C. No. 9, will not incur termination liability charges.
- (g) Outside moves, provided in accordance with Paragraph 5.6.4(B) in Tariff Telephone-Pa. P.U.C. No. 9, will allow the customer to retain the same OPP payment period. Any other move will be treated as a disconnect of the service and termination liability charges will apply.

MILEAGE CHARGES

F. DIGITAL DATA SERVICE (Cont'd)

2. Application of Rates (Cont'd)

e. DDS Optional Payment Plan (OPP) (Cont'd)

(2) Changes in Length of OPP Period

Prior to the completion of the selected OPP period, the customer may elect to convert to a new OPP period of the same or different length, subject to the following conditions:

- No credit toward the new payment period will be given for payments made under the original OPP arrangement.
- No applicable nonrecurring charges will be reapplied for existing service(s).
- If the new OPP period is shorter in length than the time remaining under the existing OPP, the change to the new OPP period constitutes a disconnect of the existing OPP service and termination liability charges apply.

(3) Renewal Options

- (a) At the expiration of an OPP period, the Company will automatically renew the service at the same OPP period unless the customer chooses to convert to a different OPP period, convert to month-to-month rates or discontinue service.
- (b) Conversion to a different OPP period will require the customer to submit a change order. Conversion to a different OPP period will be allowed without application of any nonrecurring or ordering charges.
- (c) Conversion to month-to-month rates will be treated as a disconnect of service and establishment of new service.

(4) Notification of Discontinuance

An order for discontinuance of an OPP arrangement must be received by the Company at least thirty (30) days prior to actual disconnect of service. Monthly charges will apply for a period of thirty (30) days from the date the Company receives disconnect notification or until the requested disconnect date, whichever period is longer.

MILEAGE CHARGES

F. DIGITAL DATA SERVICE (Cont'd)

2. Application of Rates (Cont'd)

e. DDS Optional Payment Plan (OPP) (Cont'd)

(5) Upgrade to Higher Speed Service

Customers may elect to upgrade service(s) to a higher speed during an OPP period, subject to the following conditions:

- The upgraded service will be subject to any appropriate nonrecurring charges.
- Termination liability charges will not apply as long as the upgraded service remains connected at the same point of termination(s) or meets the requirements set forth in Paragraph 5.6.4(B) of Tariff Telephone-Pa. P.U.C. No. 9.
- If the upgrade involves establishing a multiplexing arrangement, termination liability charges will not apply if the hub wire center is the same one associated with the customer designated location.

(6) Termination Liability

When an OPP service is discontinued prior to the end of the period, termination liability charges, as set forth below, will apply based on the remainder of the OPP period in effect at the time of disconnect.

One Year OPP - 50% of any remaining portion of the first year's recurring charges.

Three Year OPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second and third years, the customer will be liable for 10% of the total monthly recurring charges in that time period.

Five Year OPP - 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second through fifth years, the customer will be liable for 20% of the total monthly recurring charges in that time period.

(7) Termination Without Liability

During an OPP period, should the currently effective rate for a customer's service increase, the customer may, at their option, terminate the OPP arrangement without penalty or liability.

(8) Conversions

For conversion of existing month-to-month DDS to an OPP arrangement, the customer will be required to submit a change order to convert to the OPP. No service or billing interruption will occur when a customer converts from month-to-month rates to OPP rates. If no other changes to be service are ordered, no charges will apply.

3. Treatment of Existing Customers

Customers currently subscribing to DDS under Individual Case Basis (ICB) rates will continue their service at their existing rates for the length of their individual contracts. At the end of the contract period, if the customer chooses to continue his DDS, the Product Guide rates in effect at that time will apply.

MILEAGE CHARGES

F. DIGITAL DATA SERVICE (Cont'd)

4. RATES AND CHARGES

	<u>Installation Charge</u>	<u>Monthly Rate</u>
a. Standard Arrangements		
(1) Special Access Line, Per SAL		
(a) 2.4 kbps	\$250.00	\$56.00
(b) 4.8 kbps	250.00	56.00
(c) 9.6 kbps	250.00	56.00
(d) 19.2 kbps	250.00	56.00
(e) 56 kbps	250.00	72.00
(f) 64 kbps	250.00	72.00
(2) Transport Facility, Per Airline Mile		
(a) 2.4 kbps		4.50
(b) 4.8 kbps		4.50
(c) 9.6 kbps		4.50
(d) 19.2 kbps		4.50
(e) 56 kbps		4.50
(f) 64 kbps		4.50
b. Optional Arrangements - Supplemental Features		
(1) Bridging, Per Port		23.00
c. DDS Optional Payment Plan Special Access Line		
	<u>Monthly Rates</u>	
	<u>1 Year</u>	<u>3 Year</u> <u>5 Year</u>
(1) 2.4, 4.8, 9.6, 19.2 kbps	\$66.00	\$58.00 \$57.50
(2) 56, 64 kbps	82.00	72.00 69.80

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MILEAGE CHARGES

G. 1.544 MBPS DIGITAL FACILITIES (T-SPAN LINES)

1. The Company, to the extent that such facilities are or can be made available with reasonable effort, will provide 1.544 Mbps Digital Facilities upon reasonable notice.
2. T-Span or 1.544 Mbps (megabit per second) Digital Facilities are point to point digital arrangements provided within or between rate center areas for the transmission of digital signals at a rate of 1.544 Mbps.
3. The Company will lease 1.544 Mbps Digital lines at the following rates and conditions:
 - a. Local Channel - circuit that terminates at customer's premises.

Monthly
Rate
\$73.00/mile

- b. Interexchange Channel - circuits that terminate in a different exchange.

Monthly
Rate
\$ 65.00/mile

A one-time connection charge applies per
request for 1.544 Mbps Digital Facilities

Installation
Charge
\$1,210.00

Mileage charges are based on airline distances between the wire centers associated with the customer's serving wire center in each Digital Service Area.

4. The channel charges above are subject to a minimum payment period of 24 months. If service is disconnected prior to the expiration of the initial 24 month period, termination liability charges are applicable for the remaining portion of the minimum period, whether service is used or not. The termination liability charge will be reduced by 1/24th for each month of service.

H. CLEAR CHANNEL CAPABILITY (B8ZS)

An arrangement that allows the customer to transport 1.536 Mbps of information through a DS1 with no constraint on the quantity or sequence of one (mark) and zero (space) bits utilizing the Bipolar with Eight Zero Substitution method of providing bit sequence independence.

Regulations and rates for this service are located in the Verizon North LLC Tariff Telephone-Pa. P.U.C. No. 9, Section 5.

MILEAGE CHARGES

I. INTERCOMPANY PRIVATE LINE SERVICE

1. General

- a. Channels are furnished for intraexchange or interexchange service on a two-point or multi-point basis for a minimum period of one month.
- b. With reference to the channel descriptions given below:
 - (1) "Effective two-wire facilities" may be composed of two-wire metallic and/or four-wire metallic and/or carrier segments; "four-wire facilities" are composed entirely of four-wire metallic and/or carrier segments.
 - (2) The 1000 Hz loss objective range specified refers to the total channel offering (end-to-end) and indicates that the engineered objective loss will fall within that range at the discretion of the Company depending upon available facilities and the applicability of appropriate engineering designs. These specifications do not include gains or losses present in customer-provided equipment.
 - (3) The Company reserves the right to revise these objectives and other technical parameters as described herein.
- c. The Company will bill the customer for the portion of the Private Line Service that is provided by the Company. The applicable non-recurring service charges can be found in Section 33 of this Product Guide.
- d. Third-party Lease facilities, required to provide the Private Line Service, will be charged to the customer on a cost basis.

2. Series 1000 Channels*

- a. Type 1005 - used for low speed data transmission not to exceed 75 baud. Such services being furnished to existing customers at the same premises. Maintenance of these services is limited to the availability of replacement components furnished from existing stock.
- b. Type 1006 - used for low speed data transmission not to exceed 150 baud. Such services being furnished to existing customers at the same premises. Maintenance of these services is limited to the availability of replacement components furnished from existing stock.

* As of October 31, 2014, Series 1000 Channels are no longer available to new customers. Existing customers may maintain their channels; however, term commitment plans will not be renewed. Moves, Adds or changes to subscribers' existing channels are permissible. Metallic Facilities are not available to be used when ordering voiceband services.

MILEAGE CHARGES

I. INTERCOMPANY PRIVATE LINE SERVICE (Cont'd)

2. Series 1000 Channels* (Cont'd)

- c. Type 1011 (30 baud) - available on an intraexchange basis only for two- or three-point DC transmission and only where existing facilities and operating conditions permit. In offering to provide this service, the Company assumes no obligation to specially select, alter, rearrange, or construct facilities and does not represent that a facility provided under this subsection is suitable for the intended customer application. Further, in providing this service where existing facilities permit, the Company assumes no obligation to continue such provision where rearrangements or changing service requirements necessitate the elimination of such facilities or render such facilities unsuitable for the customer application.
- d. Type 1012 (30 baud) - provided both for intraexchange and interexchange applications. On an intraexchange basis, type 1012 is provided with a minimum of 3 points (master station and 2 remote premises) and up to a maximum of 26 points (master station and 25 remote premises). On an interexchange basis, Type 1012 is provided with a minimum of 2 points (master station and a remote premises) and a maximum of 26 points (master station and 25 remote premises). Type 1012 service is restricted to a maximum of 3 central office serving areas located in the same or different exchanges (one for the master station and two others to provide service to other remote premises).

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

e. Rate Schedules

- (1) Channels on the same or connected premises -
Type 1005 and Type 1006
- | | |
|------------------------|---------|
| Each two-wire channel | \$ 2.00 |
| Each four-wire channel | 4.00 |
- (2) Channels between adjacent premises -
Type 1005 and Type 1006
- | | |
|------------------------|---------|
| Each two-wire channel | \$ 8.50 |
| Each four-wire channel | 17.00 |

* As of October 31, 2014, Series 1000 Channels are no longer available to new customers. Existing customers may maintain their channels; however, term commitment plans will not be renewed. Moves, Adds or changes to subscribers' existing channels are permissible. Metallic Facilities are not available to be used when ordering voiceband services.

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MILEAGE CHARGES

I. INTERCOMPANY PRIVATE LINE SERVICE (Cont'd)

2. Series 1000 Channels* (Cont'd)

e. Rate Schedules (Cont'd)

(3) Intraexchange and Interexchange Channels

- (a) Local channel - one required for each premises at which a channel terminates

Each two-wire channel	\$21.00
Each four-wire channel	\$42.00

- (b) Mileage -

Interexchange and Interexchange Channels per mile between wire centers for Series 1000 channels.

	<u>Monthly Rate</u>	
	<u>Fixed Rate</u>	<u>Rate Per Mile</u>
0 to 1 Mile	\$ 12.50	\$ --
Over 1 to 3 Miles	11.00	4.00
Over 3 to 5 Miles	14.00	4.00
Over 5 to 15 Miles	16.00	4.00
Over 15 to 25 miles	32.00	3.00
Over 25 Miles	44.00	2.50

(4) Transmission Function

Intraexchange and Interexchange -

	<u>Monthly Rate</u>	
	<u>Intraexchange</u>	<u>Interexchange</u>
Type 1005 and Type 1006		
Data & Teletype	\$ 5.00	\$ 16.00
Miscellaneous Purpose	--	6.00
Type 1011	--	6.00
Type 1012	1.00	6.00

(5) Other Features and Arrangements

- (a) Multi-Point One-Way Type 1005 Channels
(furnished to existing customers only) - Monthly Rate
\$ 3.00

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

* As of October 31, 2014, Series 1000 Channels are no longer available to new customers. Existing customers may maintain their channels; however, term commitment plans will not be renewed. Moves, Adds or changes to subscribers' existing channels are permissible. Metallic Facilities are not available to be used when ordering voiceband services.

MILEAGE CHARGES

I. INTERCOMPANY PRIVATE LINE SERVICE (Cont'd)

2. Series 1000 Channels* (Cont'd)

e. Rate Schedules (Cont'd)

(5) Other Features and Arrangements (Cont'd)

(b) Station Arrangement Charges for Type 1006 Channels -

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

	<u>Monthly Rate</u>
Two-Point Type 1006 channel between terminals in	
Same building	\$15.50
Same premises	15.50
Same wire center	15.50
Same Exchange-Different Wire Center	28.00
Different exchanges	28.00

3. Series 2000 Channels

- a. Type 2001 - A two wire interface with effective two wire facilities engineered for a 1000 Hz loss objective of 0 to 10 db; or a four-wire interface with four-wire facilities engineered for a 1000 Hz loss objective of 0 to 16 db; for two-point or multi-point service, normally suitable for use for private line telephone service.

(1) Regulations applicable to type 2001 channels

- (a) Type 2001 channels are furnished for voice transmission of approximate band-width of 300-3000 Hz.
- (b) For private line duplex intraexchange or interexchange service the monthly rates for two local channels and two transmission functions for each premises served, apply.
- (c) When these channels are furnished for multi-point service, bridging charges apply at each premises at which the channel terminates.
- (d) These channels are not suitable for switching and/or tandem operations to the public switched network or other private line services.

* As of October 31, 2014, Series 1000 Channels are no longer available to new customers. Existing customers may maintain their channels; however, term commitment plans will not be renewed. Moves, Adds or changes to subscribers' existing channels are permissible. Metallic Facilities are not available to be used when ordering voiceband services.

MILEAGE CHARGES

I. INTERCOMPANY PRIVATE LINE SERVICE (Cont'd)

3. Series 2000 Channels (Cont'd)

a. Type 2001 (Cont'd)

(2) Automatic Signaling

- (a) Automatic signaling is only provided on a two-point basis between locations on different premises for use with Type 2001 channels.
- (b) Automatic signaling is provided by means of central office automatic ringing equipment which operates when the receiver at one station is lifted and causes the bells of stations at the other end of the line to ring collectively without code signals.

b. Type 2002 - A two wire interface with effective two-wire facilities or a four-wire interface with four-wire facilities designed for remote operation of mobile radio telephone systems; for a two-point or multi-point service.

(1) Regulations applicable to Type 2002 channels

- (a) When these channels are furnished for multipoint service, a bridging charge applies at each premises bridged on the same circuit.
- (b) The following channels are furnished between specified locations of remote operation and control of private land radio telephone stations established for communications with mobile units.

1) Voice Channels

Channels are similar as to transmission characteristics, to those furnished for Type 2001 channels.

Channels specially designed to provide transmissions in a frequency range broader than that furnished for Type 2001 channels.

2) Control Channels

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

MILEAGE CHARGES

I. INTERCOMPANY PRIVATE LINE SERVICE (Cont'd)

3. Series 2000 Channels (Cont'd)

b. Type 2002 (Cont'd)

2) Control Channels (Cont'd)

For Combined Voice Transmission and Control Purposes

Channels furnished for combined voice transmission and control purposes may be used by the customer, in accordance with the normal transmission characteristics of such channels, for voice transmission purposes and to transmit more than one tone or signal in sequence or simultaneously or to create additional channels for remote control and indication purposes only.

On two-point services, voice channels may be used alternately for control at no additional charge, where the control function is derived through the use of standard one-way, two-state Direct Current signaling over the voice channel.

On multipoint services, two-state, Direct Current signaling for control purposes is provided by means of a separate Type 1005 channel. Appropriate monthly and non-recurring charges apply separately for the Type 1005 and the Type 2002 channel.

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

Additional Equipment and Facilities

Repeaters, amplifiers, special loading, equalization or special types of plant, required in connection with channels provided under either 1) or 2) above, are furnished at charges based upon the cost incurred.

(2) Conditioning applicable to Type 2002 Channels

- (a) Type C1 - For a two-point or multipoint channel the envelope delay distortion shall not exceed:

MILEAGE CHARGES

I. INTERCOMPANY PRIVATE LINE SERVICE (Cont'd)

3. Series 2000 Channels (Cont'd)

b. Type 2002 (Cont'd)

(2) Conditioning applicable to Type 2002 Channels (Cont'd)

between 1000 and 2400 Hertz, a maximum difference of 1000 micro-seconds

- the loss deviation with frequency (from 1000 Hertz reference) shall not exceed:
between 1000 and 2400 Hertz, -1db to +3db
between 300 and 2700 Hertz, -2db to +6db
between 2700 and 3000 Hertz, -3db to +12db
(+ means more loss)

- (b) Type C2 - For a two-point or multipoint channel the envelope delay distortion shall not exceed:
between 1000 and 2600 Hertz, a maximum difference of 500 micro-seconds
between 600 and 2600 Hertz, a maximum difference of 1500 micro-seconds
between 500 and 2800 Hertz, a maximum difference of 3000 micro-seconds

- the loss derivation with frequency (from 1000 Hertz reference) shall not exceed:
between 500 and 2800 Hertz, -1d to +3db
between 300 and 3000 Hertz, -2db to +6db
(+ means more loss)

Note: On a multipoint channel arranged for switching, conditioning in accordance with the above specifications is applicable only when in the unswitched mode.

c. TIE Line Channels

- (1) Type 2021 - A two-wire or four-wire interface with four-wire facilities furnished for tie-line use between PBX's.
- (2) Type 2025 - A two-wire or four-wire interface with four-wire facilities furnished for tie-line use between a PBX and a C.O. Centrex.
- (3) Type 2026 - Furnished for tie-line use between C.O. Centrexes.
- (4) Regulations applicable to Types 2021, 2025, and 2026 Channels

MILEAGE CHARGES

I. INTERCOMPANY PRIVATE LINE SERVICE (Cont'd)

3. Series 2000 Channels (Cont'd)

c. TIE Line Channels (Cont'd)

- (a) Type 2025 tie line channels between C.O. Centrex switching systems and non-C.O. Centrex switching systems are subject to one transmission function charge and one local channel charge at the non-C.O. Centrex end.
- (b) For Type 2026 channels connecting switching systems located in different central office serving areas, one interoffice channel is required to connect the wire centers. In addition, a transmission function is required at each end of the interoffice channel to make the channel operative.
- (c) For Type 2026 channels connecting switching systems located in different exchange areas, one interexchange channel is required to connect the wire centers. In addition, a transmission function is required at each end of the interexchange channel to make the channel operative.
- (d) A Signaling Arrangement is provided for tie lines connected to grandfathered PBXs in accordance with Part 68 of the F.C.C. Rules and Regulations under the following conditions:
 - An E&M Signaling Arrangement is required for each tie line termination, operating in a Dial Repeating mode, at a customer premises with a Registered PBX.
 - An E&M Signaling Arrangement is required for each tie line termination of a customer premises with customer-provided PBXs when the tie-line is arranged with an E&M signaling interface.
 - An E&M Signaling Arrangement is not required with Type 2021 or Type 2025 channels for additions to or for new installations of customer provided PBX equipment when not arranged with an E&M signaling interface.

d. Telephone Answering Service Channels

- (1) Type 2040 - A two-wire interface with effective two-wire facilities engineered for a 1000 Hz loss objective of 0 to 8 db; normally suitable for Telephone Answering Service use for secretarial lines connected directly to Telephone Answering Service Equipment.

MILEAGE CHARGES

I. INTERCOMPANY PRIVATE LINE SERVICE (Cont'd)

3. Series 2000 Channels (Cont'd)

d. Telephone Answering Service Channels (Cont'd)

(1) Type 2040 (Cont'd)

(a) Regulations applicable to Type 2040 Channels

- When the secretarial line is connected directly to Telephone Answering Service Equipment in the same exchange, one local channel measured in one-quarter (1/4) airline mile increments from the customer's serving wire center to the location of the Telephone Answering Service Equipment is provided. When the secretarial line is connected directly to Telephone Answering Service Equipment not on the same premises, one transmission function is also required.
- When the secretarial service is furnished from an exchange other than the one in which the Telephone Answering Service is located, one interexchange channel is required to connect the wire centers. One local channel and one transmission function are required to connect the interexchange channel to the premises of the Telephone Answering Service.

(2) Type 2041 - A two-wire interface with effective two-wire facilities engineered for a 1000 Hz loss objective of 0 to 4 db; normally suitable for Telephone Answering Service use for secretarial lines terminated in concentrator equipment.

(a) Regulations applicable to Type 2041 Channels

- When a secretarial line is connected to a concentrator located in the same central office serving area as the customer's normal central office serving area, the connection is provided at a flat rate and requires no measurement.
- When a secretarial line is connected to a concentrator located in a different exchange from the customer's normal exchange, one interexchange channel is required to connect the wire centers. A transmission function is required at each end of the interexchange channel to make the channel operative.

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MILEAGE CHARGES

I. INTERCOMPANY PRIVATE LINE SERVICE (Cont'd)

3. Series 2000 Channels (Cont'd)

d. Telephone Answering Service Channels (Cont'd)

- (3) Type 2043 - A two-wire interface with effective two-wire facilities engineered for a 1000 Hz loss objective of 0 to 4 db; normally suitable for Telephone Answering Service concentrator - identifier use between a concentrator unit located at either the Company or the Telephone Answering Service premises and an identifier unit located at the Telephone Answering Service premises.
- (a) Regulations applicable to Type 2043 Channels
- When the concentrator is located in a Company central office, one local channel and one transmission function, Type 2043, are required for each talking path connected to the identifier at the Telephone Answering Service premises. If the central office serving area where the concentrator is located is different from the Telephone Answering Service central office serving area, one interoffice channel for each talking path is also required to connect the wire centers.
 - When the concentrator is located in a different exchange area from the identifier, an interexchange channel is required to connect the wire centers. One local channel and one transmission function are required to connect the interexchange channel to the Telephone Answering Service premises.
 - When the concentrator is located at a Telephone Answering Service premises, for each talking path one local channel and one transmission function, Type 2043, are required to connect the serving central office to the premises where the concentrator is located and one local channel and one transmission function, Type 2043, are required to connect the serving central office to the premises where the identifier is located. If the central office serving areas for two premises are different, one interoffice channel for each talking path is required to connect the wire centers.
 - When a customer provided concentrator is located on a premises in a different exchange from the customer provided identifier, one interexchange channel is

MILEAGE CHARGES

I. INTERCOMPANY PRIVATE LINE SERVICE (Cont'd)

3. Series 2000 Channels (Cont'd)

d. Telephone Answering Service Channels (Cont'd)

(3) Type 2043 (Cont'd)

(a) Regulations applicable to Type 2043 Channels (Cont'd)

required to connect the wire centers. One local channel and one transmission function are required to connect the interexchange channel to the premises where the concentrator is located and one local channel and one transmission function are required to connect the interexchange channel to the premises where the identifier is located.

e. Rate Schedules

(1) Channels on the same or connected premises Type 2021

Each Two-Wire Channel	\$ 2.00
Each Four-Wire Channel	4.00

(2) Channels between adjacent premises Type 2021

Each Two-Wire Channel	\$ 8.50
Each Four-Wire Channel	17.00

(3) Intraexchange and Interexchange Channels

(a) Local channel - one required for each premise at which a channel terminates

Each Two-Wire Channel	\$21.00
Each Four-Wire Channel	42.00

(b) Intraexchange and Interexchange channels per mile between wire centers for Series 2000 channels

	<u>Monthly Rate</u>	
	<u>Fixed Rate</u>	<u>Rate Per Mile</u>
0 to 1 Mile	\$12.50	\$ -
Over 1 to 3 Miles	11.00	4.00
Over 3 to 5 Miles	14.00	4.00
Over 5 to 15 Miles	16.00	4.00
Over 15 to 25 Miles	32.00	3.00
Over 25 Miles	44.00	2.50

MILEAGE CHARGES

I. INTERCOMPANY PRIVATE LINE SERVICE (Cont'd)

3. Series 2000 Channels (Cont'd)

e. Rate Schedules (Cont'd)

(4) Transmission Function - one required per local channel

	<u>Monthly Rate</u>	
	<u>Intraexchange</u>	<u>Interexchange</u>
Type 2001	\$ 4.00	\$11.50
Type 2002	4.00	10.50
Type 2021	11.00	21.00
Type 2025	30.00	34.00
Type 2026	-	16.00
Type 2040	1.20	35.50
Type 2041	-	6.75
Type 2043	12.50	19.00

(5) Automatic Signaling

Private Line Signaling Automatic Ringing, each	\$ 3.96
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(6) E&M Signaling

E&M Signaling arrangement, for Type 2021 and Type 2025 Channel, each	\$17.00
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(7) Multi-Point Channels

For bridging multi-point 2001 and Type 2002 Channels	
At each premise at which a channel terminates	\$19.50

(8) Conditioning

(a) Type C1	
On a two-point channel not arranged for switching - each station	\$ 6.00
On a multi-point channel not arranged for switching - for the first station in an exchange - for each additional station in the same exchange as the first station	\$11.50 \$ 8.00

MILEAGE CHARGES

I. INTERCOMPANY PRIVATE LINE SERVICE (Cont'd)

4. Series 3000 Channels (Cont'd)

a. Type 3001 (Cont'd)

(8) Conditioning (Cont'd)

Type C2

On a two-point channel not
arranged for switching
- each station \$22.00

On a multi-point channel not
arranged for switching
- for the first station in
an exchange \$32.00
- for each additional station
in the same exchange as the
first station \$11.50

4. Series 3000 Channels

a. Type 3001 - A two-wire interface with effective two-wire facilities or a four-wire interface with four-wire facilities engineered for a 1000 Hz loss objective of 16dB; for two-point or multi-point service; normally suitable for half-duplex or full-duplex operation for remote metering, supervisory control and miscellaneous signaling.

(1) Regulations applicable to Type 3001 channels

- (a) When these channels are furnished for multipoint service, a bridging charge applies for each premises bridged on the same circuit, in addition to all other applicable charges for the channels.
- (b) For duplex service on the same or connected premises or to adjacent premises, the monthly rates for two channels apply.
- (c) For duplex intraexchange and interexchange service the monthly rates for two local channels for each premises served, apply.
- (d) The equipment and associated station wiring shall be provided by the customer.
- (e) The use of customer-owned equipment is subject to the regulations set forth in this Product Guide regarding the connections with customer-owned equipment. However, the customer, by the use of his own equipment, may create additional channels or may transmit more than one tone or signal in sequence or simultaneously to the extent permitted by the normal transmission characteristics of the grade of channel furnished.

MILEAGE CHARGES

I. INTERCOMPANY PRIVATE LINE SERVICE (Cont'd)

4. Series 3000 Channels (Cont'd)

a. Type 3001 (Cont'd)

(1) Regulations applicable to Type 3001 channels (Cont'd)

- (f) Customers, by use of their own equipment, and to the extent permitted by the normal transmission characteristics of the grade of channel ordered may create additional channels for any type of communication by sub-dividing a channel furnished under this Product Guide. The Company makes no representations as to the suitability of the channels provided by it for such sub-division into additional channels by the customer. These channels may be connected with other channels which are furnished by the Company to the same customer, and to channels created therefrom, if the forms of electrical communication for which they are being used are compatible.

b. Type 3002 - A two-wire interface with effective two-wire facilities or a four-wire interface with four-wire facilities engineered for a 1000 Hz loss objective of 16dB; for two-point or multi-point service; normally suitable for half or full duplex data transmission.

(1) Regulations applicable to Type 3002 channels

- (a) Data processing equipment, teletypewriter station equipment and terminal equipment required to condition signals generated by or delivered to customer apparatus, and station wiring for data transmission purposes shall be provided by the customer, subject to the terms and conditions set forth in this Product Guide regarding connections with customer-owned equipment.
- (b) Customers, by use of their own equipment, and to the extent permitted by the normal transmission characteristics of the grade of channel ordered may create additional channels for any type of communication by subdividing a channel furnished under this Product Guide. The Company makes no representation as to the suitability of the channels by the customer. These channels may be connected with other channels which are furnished by the Company to the same customer, and to channels created therefrom, if the forms of electrical communication for which they are being used are the same.

MILEAGE CHARGES

I. INTERCOMPANY PRIVATE LINE SERVICE (Cont'd)

4. Series 3000 Channels (Cont'd)

b. Type 3002 (Cont'd)

(1) Regulations applicable to Type 3002

- (c) When these channels are furnished for multi-point service, a bridging charge applies for each station bridged on the same circuit.

(2) Conditioning applicable to type 3002 Channel

- (a) Type C1 - For a two-point or multipoint channel the envelope delay distortion shall not exceed: between 1000 and 2400 Hertz, a maximum difference of 1000 micro-seconds
- the loss deviation with frequency (from 1000 Hertz reference) shall not exceed:
between 1000 and 2400 Hertz, -1db to +3db
between 300 and 2700 Hertz, -2db to +6db
between 2700 and 3000 Hertz, -3db to +12db
(+ means more loss)
- (b) Type C2 - For a two-point or multipoint channel the envelope delay distortion shall not exceed:
between 1000 and 2600 Hertz, a maximum difference of 500 micro-seconds
between 600 and 2600 Hertz, a maximum difference of 1500 micro-seconds
between 500 and 2800 Hertz, a maximum difference of 3000 micro-seconds
- the loss deviation with frequency (from 1000 Hertz reference) shall not exceed:
between 500 and 2800 Hertz, -1db to +3db
between 300 and 3000 Hertz, -2db to +6db
(+ means more loss)

NOTE: On a multipoint channel arranged for switching with the above specifications is applicable only when in the unswitched mode.

MILEAGE CHARGES

I. INTERCOMPANY PRIVATE LINE SERVICE (Cont'd)

4. Series 3000 Channels (Cont'd)

b. Type 3002 (Cont'd)

(2) Conditioning Applicable to Type (Cont'd)

- (c) Type C4
- For a two-point, three-point or four-point channel
 - the envelope delay distortion shall not exceed:
 - between 1000 and 2600 Hertz, a maximum difference of 300 micro-seconds
 - between 800 and 2800 Hertz, a maximum difference of 500 micro-seconds
 - between 600 and 3000 Hertz, a maximum difference of 1500 micro-seconds
 - between 500 and 3000 Hertz, a maximum difference of 3000 micro-seconds
 - the loss deviation with frequency (from 1000 Hertz reference) shall not exceed:
 - between 500 and 3000 Hertz, -2db to +3db
 - between 300 and 3200 Hertz, -2db to +6db
- (+ means more loss)

NOTE: On a three-point or four-point channel, conditioning in accordance with the above specifications is applicable only between one exchange (that designated by the customer as the control point) and each of the other two or three exchanges.

- (d) Type D1
- For a two-point channel not arranged for switching
 - Certain data transmission characteristics necessary for high performance data transmission cannot be assured on all channels generally available for data transmission. However, Type 3002 voice grade two-point channels may be specially arranged to provide for the following technical parameters at the request of the customer:
 - Signal to C-Notched Noise Ratio 28db
 - Nonlinear distortion:
 - (1) signal to second order distortion 35db
 - (2) signal to third order distortion 40db

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MILEAGE CHARGES

I. INTERCOMPANY PRIVATE LINE SERVICE (Cont'd)

4. Series 3000 Channels (Cont'd)

b. Type 3002 (Cont'd)

(2) Conditioning Applicable to Type (Cont'd)

(d) Type D1 (Cont'd)

When the channel equipped with this conditioning is utilized for voice communications, the Company does not undertake to represent that channel will be suitable for such voice transmission.

c. Rate Schedule

(1) Channels on the same or connected premise

Type 3002

Each Two-wire Channel	\$ 2.00
Each Four-wire Channel	4.00

(2) Channels between adjacent premise

Type 3002

Each Two-wire Channel	\$ 8.50
Each Four-wire Channel	17.00

(3) Intraexchange and Interexchange Channels

(a) Local Channel - one required for each premise at which a channel terminates (Type 3002)

Each Two-wire Channel	\$21.00
Each Four-wire Channel	42.00

(b) Intraexchange and Interexchange channels per mile between wire centers for Series 3000 Channels

	<u>Monthly Rate</u>	
	<u>Fixed Rate</u>	<u>Rate Per Mile</u>
0 to 1 mile	\$12.50	\$ 0
Over 1 to 3 miles	11.00	4.00
Over 3 to 5 miles	14.00	4.00
Over 5 to 15 miles	16.00	4.00
Over 15 to 25 miles	32.00	3.00
Over 25 miles	44.00	2.50

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MILEAGE CHARGES

I. INTERCOMPANY PRIVATE LINE SERVICE (Cont'd)

4. Series 3000 Channels (Cont'd)

c. Rate Schedule (Cont'd)

- (4) Transmission Function - one required per local channel

	<u>Monthly Rate</u>	
	<u>Intraexchange</u>	<u>Interexchange</u>
Type 3001	\$ 4.00	\$10.50
Type 3002	14.00	19.00

- (5) Multi-point Channels - in addition to the preceding, the following charge applied for bridging multi-point channels.

	<u>Monthly Rate</u>	
	<u>Intraexchange</u>	<u>Interexchange</u>
(a) At each premises at which a Type 3001 channel terminates	\$19.50	\$19.50
(b) At each station at which a Type 3002 channel terminates	19.50	19.50

- (6) Conditioning

	<u>Monthly Rate</u>
(a) Type C1	
- on a two-point channel not arranged for switching	
- each station	\$ 6.00
- on a multi-point channel not arranged for switching	
- for the first station in an exchange	11.50
- each additional station in the same exchange as the first station	8.00

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MILEAGE CHARGES

I. INTERCOMPANY PRIVATE LINE SERVICE (Cont'd)

4. Series 3000 Channels (Cont'd)

c. Rate Schedule (Cont'd)

(6) Conditioning (Cont'd)

	<u>Monthly Rate</u>
(b) Type C2	
- on a two-point channel not arranged for switching	
- each station	\$22.00
- on a multi-point channel not arranged for switching	
- for the first station in an exchange	32.00
- each additional station in the same exchange as the first station	11.50
(c) Type C4	
- on a two-point channel not arranged for switching	
- each station	35.00
(d) Type D1	
- on a two-point channel not arranged for switching	
- per channel	10.00