

SPRINT MISSOURI, INC.  
D/B/A/ SPRINT

First Revised Adoption Notice Page  
Cancels Original Adoption Notice Page

ADOPTION NOTICE

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Effective July 5, 1996, United Telephone Company of Missouri registered the fictitious name Sprint. Effective May 2, 1997, the Articles of Incorporation were amended to change the corporation name to Sprint Missouri, Inc. Sprint Missouri, Inc. d/b/a Sprint, hereby adopts, ratifies, and makes its own, in every respect as if the same had been originally filed by it, all schedules, rules, notices, concurrences, schedule agreements, divisions, authorities or other instruments whatsoever, filed with the Public Service Commission, State of Missouri, by United Telephone Company of Missouri prior to May 2, 1997.

By this notice it also adopts and ratifies all supplements or amendments to any of the above schedules, etc., which the United Telephone Company of Missouri has heretofore filed with said Commission.

ISSUED:  
December 8, 1997

EFFECTIVE:  
December 31, 1997

BY: Richard D. Lawson  
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SPRINT MISSOURI, INC.  
d/b/a SPRINT

Original Title Page 1

SCHEDULE OF RATES AND CHARGES

FOR

PRIVATE LINE SERVICE

This Tariff applies to Private Line Service furnished or made available by United Telephone Company of Missouri, hereinafter referred to as the Company, and for Private Line Service furnished jointly with a connecting company. This Tariff applies to the portion of such Private Line Service furnished by the Company to the point of connection with the service components of another company for which that company's rates and regulations apply, over service components wholly within the Local Access and Transport Areas (LATAs) of the State of Missouri, between two or more points, all of said points being within a LATAs of the State of Missouri. The schedules of rates and specific regulations are set forth in this Tariff.

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BY: Richard D. Lawson  
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SPRINT MISSOURI, INC.  
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PRIVATE LINE SERVICE

Following are the exchanges in which Private Line Services are available in Missouri. The exchange areas are as defined by maps filed with the Missouri Public Service **Commission**.

(RT)

APPLETON CITY  
BLACKBURN  
BLAIRSTOWN  
BRAZITO  
BUCKNER  
BUTLER  
CALHOUN  
CALIFORNIA  
CAMDEN POINT  
CENTERTOWN  
CENTerview  
CHILHOWEE  
CLARKSBURG  
CLINTON  
COAL  
COLE CAMP  
CRAIG  
DEARBORN  
DEEPWATER  
EDGERTON  
EUGENE  
FAIRFAX  
FERRELVUE  
FT. LEONARD WOOD  
GREEN RIDGE  
HARDIN  
HARRISONVILLE

HENRIETTA  
HOLDEN  
HOLT  
HOPKINS  
HOUSTONIA  
IONIA  
JEFFERSON CITY  
KEARNEY  
KING CITY  
KINGSVILLE  
LAKE LOTAWANA  
LEBANON  
LEETON  
LEXINGTON  
LINCOLN  
LONE JACK  
MALTA BEND  
MARYVILLE  
MISSOURI CITY  
MONTROSE  
MOUND CITY  
NEW BLOOMFIELD  
NEWBURG  
NORBORNE  
OAK GROVE  
ODESSA

ORRICK  
OTTERVILLE  
PICKERING  
PLATTE CITY  
PLEASANT HILL  
RICHLAND  
ROLLA  
RUSSELLVILLE  
ST. ROBERT  
ST. THOMAS  
SALEM  
SMITHTON  
STRASBURG  
SWEET SPRINGS  
SYRACUSE  
TAOS  
TARKIO  
TIPTON  
URICH  
WARRENSBURG  
WARSAW  
WAVERLY  
WAYNESVILLE  
WELLINGTON  
WESTON  
WINDSOR

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PRIVATE LINE SERVICE

EXPLANATION OF MARGIN INDICATORS

<u>CODE</u>	<u>INTERPRETATION</u>
(C)	Changed regulation
(D)	Discontinued rate or regulation
(I)	Increased rate
(M)	Matter relocated without change
(N)	New rate or regulation
(R)	Reduction of rate
(S)	Reissued matter
(T)	Change in text but no change in rate or regulation
(Z)	Correction

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PRIVATE LINE SERVICE

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Trademarks and Service Marks Used in this Tariff

Below is a list of trademarks which may be used in this Tariff. These designations will not be listed hereafter in the Tariff. However, the laws regarding trademarks and service marks will still apply. Trademarks that are owned by Sprint cannot be used by another party without authorization.

Digilink®  
Lightlink<sup>SM</sup>  
Translink®

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September 22, 2004

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PRIVATE LINE SERVICE

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PRIVATE LINE SERVICE

1.1 Undertaking of the Company

1.1.1 Scope

- A. This tariff section contains the general regulations and definitions governing Private Line Service furnished by the Company. The regulations of the connecting company apply to the portion of Private Line Service which it furnishes at "other line" charges.
- B. Private Line Service is the furnishing of the Company service components for communication between specified locations all within a Local Access and Transport Area (LATA) of the State of Missouri, 24 hours daily, seven days per week. Service components may be those of the Company only or those of the Company and other connecting companies.
- C. The Company does not undertake to transmit messages, but offers the use of its service components, where available, to customers for such purposes.
- D. Services provided under this Tariff shall be used by private line customers for use in obtaining end-to-end Private Line Service. Interexchange Carriers may use services found in this Tariff that will meet their administrative needs; however, an Interexchange Carrier is restricted from utilizing services found in this Tariff to furnish a portion of their authorized service offerings.

1.1.2 Limitations

- A. In case a shortage of service components exists at any time, either for temporary or protracted periods, the establishment of Message Telecommunications Service and/or Local Exchange Service shall take precedence over all other services and uses.

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PRIVATE LINE SERVICE

1.1 Undertaking of the Company (Continued)

1.1.2 Limitations (Continued)

- B. The furnishing of service under this Tariff will require certain physical arrangements of the service components of the Company and is, therefore, subject to the availability of such service components.
- C. The use and restoration of service shall be in accordance with the Federal Communications Commission's Rules and Regulations which specify the priority system for such activities.
- D. Subject to compliance with Section 1.1.2, C., preceding, where a shortage of channels or equipment exists at any time, either for temporary or protracted periods, the establishment of Message Telecommunications Service shall take precedence over all other services.

1.1.3 Liability

- A. In view of the fact that the customer has exclusive control of communications over the service components furnished by the Company and of the other uses for which service components may be furnished by the Company, and because of unavoidable errors incidental to the services and to the use of such service components of the Company, the services and service components furnished by the Company are subject to the terms, conditions and limitations herein specified and to such particular terms, conditions and limitations as are set out in Sections 2 and 3 of this Tariff governing the respective services.

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PRIVATE LINE SERVICE

1.1 Undertaking of the Company (Cont'd)

1.1.3 Liability (Cont'd)

- B. The liability of the Company for damages arising out of mistakes, omissions, interruptions, delays or errors or defects in transmission occurring in the course of furnishing service, whether the result of negligence of the Company or other causes shall in no event exceed an amount equivalent to the proportionate charge to the customer for the service during the period in which such mistakes, omissions, interruptions, delays, errors or defects in transmission occur and continue.

However, any such mistakes, omissions, interruptions, delays, errors or defects in transmission or service which are caused or contributed to by the negligence or willful act of the customer, or which arise from or in connection with the use of customer -provided service components or premise equipment shall not result in the imposition of any liability whatsoever upon the Company.

- C. The customer indemnifies and saves the Company harmless against claims for libel, slander, or the infringement of copyright arising from the material transmitted over the service components; against claims for the infringement of patents arising from, combining with or used in connection with service components of the Company, apparatus and systems of the customer; and against all other claims arising out of any act or omission of the customer in connection with the service components provided by the Company.
- D. The Company will not be liable for any consequential, incidental or indirect damages for any cause of action, whether in contract or tort. Consequential, incidental and indirect damages include, but are not limited to, lost projects, lost revenues and loss of business opportunity, whether or not the Company was aware or should have been aware of the possibility of these damages.

(N)

(N)

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PRIVATE LINE SERVICE

1.1 Undertaking of the Company (Cont'd)

1.1.3 Liability (Cont'd)

- E. The Company does not guarantee nor make any warranty with respect to service components provided by it for use in an explosive atmosphere. The customer indemnifies and holds the Company harmless from any and all loss, claims, demands, suits or other actions or any liability whatsoever whether suffered, made, instituted or asserted by the customer or by any other party or persons for any personal injury to or death of any person or persons and for any loss, damage or destruction of any property, whether owned by the customer or caused directly or indirectly by the installation, operation, failure to operate, maintenance, removal, presence, condition, location or use of said service components so provided. The Company may require each customer to sign an agreement for the furnishing of such service components as a condition precedent to the furnishing of such service components. (T)
- F. When the facilities of connecting companies are used in establishing connections to points not reached by the Company's facilities, the Company is not liable for any act or omission of the connecting company or companies. (T)
- G. The Company is not liable for any defacement or damage to the premises of a customer resulting from the furnishing of channel service components or the attachment of the service components furnished by the Company on such premises or by the installation or removal thereof when such defacement or damage is not the result of negligence of the agents or employees of the Company. (T)
- H. The Company shall be under no liability for the quality or defects in voice recordings where Company combined service components are used in making such recordings.
- I. The Company will make reasonable efforts to cure any material failure to provide service caused solely by year 2000 defects in the Company hardware, software or systems. Due to the interdependence among telecommunications providers and the interrelationship with non-Company processes, equipment and systems, the Company is not responsible for failures caused by circumstances beyond its control, including, but not limited to, failures caused by: 1) the Customer; 2) other telecommunications companies as defined by Missouri statute; or 3) customer premises equipment. In addition, the Company does not ensure compatibility between the Company and non-Company services used by the Customer. (N)

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PRIVATE LINE SERVICE

1.1 Undertaking of the Company (Continued)

1.1.4 Provision of Service Components

A. The Company and/or other connecting companies with which it jointly furnishes service will provide, maintain and repair all service components necessary for Private Line Service, except for those facilities on the customer's side of the network interface. Also, the customer must provide his own terminal equipment, communications system or premises wiring for use with such service as specified in Section 1.6.

1. When a Private Line Service is used for teletypewriter transmission, the teletypewriter equipment will be provided by the customer.
2. When a Private Line Service is used for data transmission which requires terminal equipment (data sets) not provided as an integral part of the channel, such data sets will be provided by the customer. It shall be the responsibility of the customer to ensure the continuing compatibility of such data set(s) with the service components furnished by the Company.
3. Where Company-provided service components and customer-provided equipment and/or customer-provided premise wiring are connected to the same Private Line Service, the customer-provided equipment and/or customer-provided premise wiring must be compatible with the Company provided service. The Company has the service responsibility up to the network inter-face on the customer's promise for the customer-provided equipment and/or customer provided premise wiring.
4. IntraLATA Private Line Service is offered where existing service components and operating conditions permit.

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PRIVATE LINE SERVICE

1.1 Undertaking of the Company (Continued)

1.1.4 Provision of Service Components (Continued)

- B. Maintenance and Repair - All ordinary expense of maintenance and repair associated with network facilities and equipment, unless otherwise specified in this Tariff, is borne by the Company. The customer agrees to take good care of the network equipment and facilities provided. In case of damage to or destruction of any of the Company's network equipment or facilities not due to ordinary wear and tear, the customer is held responsible for the cost of replacing the Company's network equipment destroyed or for the cost of restoring the Company's network equipment to its original condition, except where such damage is not occasioned by the negligence of the customer.
- C. The charges specified in this Tariff do not contemplate installation, maintenance or repair work being performed by company employees involved at a time when overtime wages apply as a result of customer requests, nor do they contemplate work once begun being interrupted by the customer.

If the customer requests that labor be performed at hours of the day or days of the week other than normal work hours or day, or on holidays, or interrupts work once begun, an additional charge based on the additional costs involved applies. Such charges do not apply if sufficient advance notice is given so that employees' work schedules can be changed. The additional charge does not apply to overtime or premium time worked at the Company's convenience.

In situations where the customer requests that "stand-by" Company personnel be provided for installation or maintenance irrespective of when such "stand-by" personnel are provided, the additional estimated cost of providing such "stand-by" personnel will be billed to the customer.

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Section 1  
Original Page 9

PRIVATE LINE SERVICE

1.1 Undertaking of the Company (Continued)

1.1.4 Provision of Service Components (Continued)

- D. Service components furnished by the Company on the premise of a customer are the property of the Company, whose agents and employees shall have the right to enter said premises at any reasonable hour for the purpose of installing, inspecting or repairing the service components or upon termination of the service for the purpose of removing such service components.
- E. When serving wire office boundary realignments are necessary at the discretion of the Company, those Private Line Services affected by the change will be recon-figured, which may result in an increase or decrease in the charges. Any change in the charges billed to a Private Line customer will become effective when the serving office transfer is made.

1.1.5 Protective Equipment

- A. When a hazardous electrical environment is present at a customer's premise, protective equipment is required to protect all facilities affected when the estimated rise in ground potential is sufficient to cause damage to Company facilities or to endanger the safety of its employees or customers. The customer may elect to provide his own protective equipment, subject to Company specifications. The protective equipment may also be provided in accordance with Section 1.1.7.
- B. Neutralizing transformers, isolating transformers, drainage coils and other special protective equipment for use in providing service to the customer's premise where there are high ground potentials, even though not required by Section 1.1.5, A., may be provided by the customer subject to Company specifications or in accordance with Section 1.1.7.

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PRIVATE LINE SERVICE

1.1 Undertaking of the Company (Continued)

1.1.6 Application for Private Line Service

- A. Any applicant for Private Line Service may be required to sign an application requesting the Company to furnish the service in accordance with rates, charges, rules and regulations as specified in this Tariff.
- B. The Company reserves the right to refuse service to any applicant who is found to be indebted to the Company, or those connecting companies with whom it jointly provides, for Private Line Service previously furnished, until satisfactory arrangements have been made for the payment of such indebtedness.

The company may also refuse to furnish service to any applicant desiring to establish service for former or previous customers of the Company who are indebted for Private Line Service until satisfactory arrangements have been made for the payment of the prior indebtedness.

- C. If Private Line Service is established and it is subsequently determined that either condition in Section 1.1.6, B. exists, the Company may suspend or disconnect such service on two days' written notice until satisfactory arrangements have been made for the payment of the prior indebtedness.

1.1.7 Special Equipment and Arrangements

When the customer requests a service arrangement which requires the installation of special equipment or modification of standard equipment, and for which provision is not other-wise made in this Tariff, it can be furnished by the Company subject to additional regulations, rates and charges as specified for in the Special Equipment and Assembly Section of the General Exchange Tariff.

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PRIVATE LINE SERVICE

1.2 Use

Private Line Service may be used for one or more of the purposes specified in Section 1.2.1, following.

1.2.1 Authorized Use

A customer may use Private Line Service for one or more of the following purposes:

- A. For the transmission of communications to or from the customer and relating directly to the customer's business.
- B. For the transmission, to all stations simultaneously, of communications which relate directly to matters of common interest to the customer when those connected to the service are all in the same general line of business.
- C. For the transmission of communications relating directly to the business of a subsidiary corporation(s) over which the customer exercises control through the ownership of more than 50 percent of the voting stock.
- D. For the transmission of communication to or from any station of a service furnished to a department or agency of the United States Government when the head of the department or agency, or their duly authorized representative, notifies the Company in writing that the use is intended only for official United States Government business.
- E. For the transmission of communications to, from, within and between air carriers where the customer is an aeronautical communications company licensed under the Aviation Services Rules of the Federal Communications Commission to operate stations in the aeronautical mobile and fixed services.
- F. Where the customer is an organized stock or commodity exchange for the transmission of communications to or from an exchange member located on the floor of such exchange and relating directly to the business of the member.

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Section 1  
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PRIVATE LINE SERVICE

1.2 Use (Continued)

1.2.1 Authorized Use (Continued)

- G. Where the use of the service relates to coordination or exchange of electrical pooled power for the transmission of communications between any two or more stations of such service or similar services furnished to others who are parties to the coordinating or exchange arrangement.
- H. For the transmission of communications to, from and/or between users utilizing premise switching equipment within a Multiline Terminating System Area. The premise Switching equipment may be furnished under a resold or shared arrangement.

1.2.2 Resale of Use for Others

Interexchange Private Line Service may be resold for the purpose of offering an intrastate communications service to others for a profit, subject to the following regulations:

- A. The resale of a Private Line Service may not encompass the conversion of that Private Line Service into Local Exchange Service, Message Telecommunications Service, Wide Area Telecommunications Service or the equivalent thereof.
- B. Orders, including those which involve the start, rearrangement, release or discontinuance of service will be accepted by the Company only from the customer.

(D)  
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(D)

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PRIVATE LINE SERVICE

1.2 Use (Continued)

1.2.3 Shared Use of Private Line Service

Interexchange Private Line Service may be shared in a long-term arrangement between the customer and users subject to the following regulations.

- A. The customer may, but does not have to, use the Private Line Service.
- B. The customer is responsible for payment of all charges incurred that are associated with the service utilized by the customer or sharing arrangement participants.
- C. The customer is responsible for compliance with Tariff regulations by each participant in a sharing arrangement.
- D. The Company is not responsible for procuring participants for a sharing arrangement.
- E. Sharing arrangement must be nonprofit. The total charges to all participants in a sharing arrangement may not exceed the sum of the Company's charges for the Private Line Service. The allocation of charges to each participant should be on a nonprofit prorated basis. Where the customer for a sharing arrangement is organized as a nonprofit entity, a not for profit fee, charged solely for the management, may be allocated by the customer among the sharing participants.
- F. The Company shall not be responsible for the allocation of usage or charges for shared Interexchange Private Line Service. Orders, including those which involve the start, rearrangement, release or discontinuance of service, will be accepted by the Company only from the customer.
- G. Sharing of Private Line Service may not encompass the conversion of that Private Line Service into Local Exchange Service, Message Telecommunications Service, Wide Area Telecommunications Service or the equivalent thereof.

(D)  
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(D)

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PRIVATE LINE SERVICE

1.3 Obligation of the Customer

1.3.1 Customer Responsibilities

In addition to other rules and regulations, the customer shall be responsible for:

- A. Establishing his identity in the course of any communication as often as may be necessary.
- B. Establishing the identity of the person or person with whom connection is made at the called service point.
- C. Damages to service components of the Company caused by the negligence or willful act of the customer and not due to ordinary wear and tear or other causes beyond the control of the customer.
- D. Reimbursing the company for any loss through thefts of the service components on the customer's premises.
- E. The provision of appropriate power including the outlet and power wiring when the Company service components installed on the premises of a customer requires power for its operation.
- F. Furnishing and maintaining poles and/or underground facilities on private property.
- G. The provision, installation and maintenance of sealed conduit with explosive proof fittings between service components furnished by the Company in explosive atmospheres and points outside the hazardous area where connection may be made with regular service components of the Company and may be required to install and maintain Company service components within the hazardous area if, in the opinion of the Company, injury or damage to Company employees or property might result from installation or maintenance by the Company.

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PRIVATE LINE SERVICE

1.3 Obligation of the Customer (Continued)

1.3.1 Customer Responsibilities (Continued)

- H. Obtaining permission for Company agents or employees to enter the premises of the customer at any reasonable hour for the purpose of installing, inspecting, repairing, or, upon termination of the service, removing the service components of the Company.
- I. Making all Company Private Line service components available for maintenance purposes at a time agreeable to both the Company and the customer. No allowance will be made for the period during which the service is interrupted for such purpose.

1.3.2 Rearrangements and Repairs

A customer may not rearrange, disconnect, remove or attempt to repair or permit others to rearrange, disconnect, remove or attempt to repair any service components installed by the Company, except upon written consent of the Company.

1.3.3 Transfer of Service

Service furnished one customer may be assumed by a new customer upon due notice of cancellation or abandonment, provided there is no lapse in service. The new customer must assume all the obligations of the previous customer. Such transfers are not subject to service charges applicable for Private Line Service.

1.3.4 Intended Use

The purpose or purposes for which the Private Line Service is to be used must be made known to the Company at the time of application for service. In the event of a planned change in use of service, the customer will notify the Company, in writing, prior to the change.

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PRIVATE LINE SERVICE

1.4 Payment Arrangements and Credit Allowances

1.4.1 Payment of Charges and Deposits

A. Advance Payments

Applicants for service or channels may be required to pay in advance of the establishment of service the applicable installation charges and any fixed charges applicable for the first month.

B. Payment for Service

The customer is responsible for payment of all charges for service components and services furnished the customer, including any charges transferred to the customer's account where the customer has executed a Contract of Guaranty for the applicant or a present customer. Upon nonpayment of any undisputed delinquent charges, the service may be disconnected in accordance with the provisions of the Rules and Regulations Applying To All Customers' Contracts and Suspension of Service Sections of the General Exchange Tariff.

C. Deposits

The Company may require an applicant or a present customer to post a deposit in accordance with the provisions of the Rules and Regulations Applying to All Customers' Contracts Section of the General Exchange Tariff.

1.4.2 Cancellation for Cause

The Company shall be authorized to discontinue service upon notice from any official charged with the enforcement of the law stating that such service is being used as an instrumentality to violate the law.

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PRIVATE LINE SERVICE

1.4 Payment Arrangements and Credit Allowances (Continued)

1.4.3 Minimum and Fractional Rates and Charges

- A. The minimum service period is one month, except when the cost of special construction is such as to necessitate a longer contract period.
- B. When rates are on a "per month" basis, the minimum charge will be for one month. If the period of use exceeds one month, the charges for the fractional part of a month following and consecutive with a full month will be a proportionate part of the monthly charges based on the actual number of days the service components are furnished. For the purpose of administering this regulation with respect to the determination of charges for a fractional part of a month, every month is considered to have 30 days.
- C. In applying a rate involving a fraction of a cent, the fraction is carried through the entire computation of the charge for the service. When the charge so computed includes a fraction of a cent, a fraction of less than one-half cent is disregarded, and a fraction of one-half cent or more is treated as one cent.

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PRIVATE LINE SERVICE

1.4 Payment Arrangements and Credit Allowances (Continued)

1.4.4 Special Construction

- A. Rates and charges for special construction will be provided as set forth in Section 14 of the Company's Intrastate Access Service Tariff.
- B. Special construction is that construction undertaken:
  - 1. Where service components are not presently available and there are no other requirements for the service components so constructed.
  - 2. Of a type other than that which the Company would normally utilize in the furnishing of its services.
  - 3. Over a route other than that which the Company would normally utilize in the furnishing of its services.
  - 4. In a quantity greater than that which the company would normally construct to serve the customer's needs.
  - 5. On a temporary basis until permanent service components are available.
  - 6. Involving abnormal costs.
  - 7. In advance of the normal construction on an expedited basis.
- C. A request for charges for special construction will be subject to a special quotation charge for the direct administrative and engineering costs associated with the preparation of that particular quotation. The amount of such charges will be credited to the account of the customer when an order for that particular special construction is received within 90 days of the quotation. The customer will authorize, through a designated representative, the request for a quotation before the Company undertakes any work involved in developing such quotations.

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PRIVATE LINE SERVICE

1.4 Payment Arrangements and Credit Allowances (Continued)

1.4.5 Change in Service Arrangement

The normal service charge per channel applies when changing from one type of Private Line Service to another type of Private Line Service.

1.4.6 Suspension of Service

Upon request of the customer, service will be suspended without cancellation at any time after the minimum period of service. Service will be suspended for a period of not less than two weeks, and billing shall continue at the full rate. For the purpose of this section, the minimum service period shall be computed from the initial establishment of service or from the date the service was last restored from suspension.

1.4.7 Temporary Surrender of a Service

When, at the request of the Company, a service is temporarily surrendered by the customer for other than maintenance purposes, credit will be allowed. The amount of the credit will be determined in the same manner as for an allowance for interruptions.

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PRIVATE LINE SERVICE

1.4 Payment Arrangements and Credit Allowances (Continued)

1.4.8 Allowances for Interruptions

If the service is interrupted other than by the negligence or willful act of the customer, an allowance as provided following, at the rate for that portion of the customer's service affected by the interruption, shall be made for the time such interruption continues after the fact is reported by the customer or detected by the Company.

- A. No credit is allowed for interruption of less than 24 hours (except for interruptions pursuant to temporary surrender of service). Credit is allowed for the proportionate part of the monthly charge in multiples of one day for each 24 hours of interruption for the portion of the service rendered inoperative by reason of the interruption.
- B. Message Telecommunications Service furnished at customer's request when his Private Line Service is interrupted is charged for at Message Telecommunications Service rates.
- C. For purposes of administering this regulation with respect to the determination of allowances for a fractional part of a month, every month is considered to have 30 days.

1.4.9 Cancellation of Application of Service

Where installation of service components other than those provided by special construction has been started prior to the cancellation of service, the charges specified in Sections 1.4.9, A, and 1.4.9,B., following, whichever is lower, applies.

- A. A charge equal to the estimated costs incurred in such installation less estimated net salvage.
- B. The charge for the minimum period of the service ordered by the customer, as provided in this Tariff, plus the full amount of any termination charges applicable.
- C. Installation of service components for a customer is considered to have started when the company incurs any expense, including engineering, in connection therewith or in preparation therefore which would not otherwise have been incurred, provided the customer has placed an order with the Company for provision of service.

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PRIVATE LINE SERVICE

1.5 Definitions

Certain terms used generally throughout this Tariff are defined as follows:

Authorized Protective Connecting Module - Denotes a protective unit designed by the Company and manufactured under the control of the Company quality assurance procedures which unit is to be incorporated in a conforming answering device.

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

Bridging - The connection of a channel or channels to another channel or the common point where more than two channels of any type connect.

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Building - "Same Building" is a structure under one roof, or two or more structures on the same premises, which are connected by an enclosed passageway in which the wires or cables of the Company may be placed without exposure to outside electrical circuits or the weather. In no case can conduit be considered as an enclosed passageway. The term "same building" does not include those premises connected by a covered public mall (see Premises.).

Channel - Denotes a portion of a Private Line Service which is a path (or paths) for electrical communication between two or more network interfaces located on a customer premises, or between Company offices, or between a network interface located on a customer's premises and a serving office. A Channel may be furnished in such a manner as the Company may elect, whether by wire, radio or a combination thereof and whether or not by means of a single physical service component or route.

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PRIVATE LINE SERVICE

1.5 Definitions (Continued)

Channel Terminal - The service components required to terminate an intraLATA interexchange channel at a serving office.

Communications Systems - Denotes channels and other service components which are capable, when not connected to Private Line Services, of two-way communications between customer-provided terminal equipment or Company service components.

Company - United Telephone Company of Missouri.

Conformance Number - Denotes an identifying number assigned by the Company to a particular model of conforming answering device, incorporating an authorized protective connecting module, when that model of device is in conformance with the provisions set forth by the Company in the Bell Technical Reference for Conforming Answering Devices.

Conforming Answering Device - Denotes a customer-provided device which automatically answers incoming calls; transmits a prerecorded voice message or appropriate audible signal to the calling party; records a voice message from the calling party, if so designed and arranged; and automatically disconnects from the line in a prearranged manner on completion of the last of the functions for which it was designed and arranged as described in this paragraph. The conforming answering device may include remote interrogation and/or device function control. A conforming answering device must incorporate an authorized protective connecting module and must bear a valid conformance number.

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PRIVATE LINE SERVICE

1.5 Definitions (Continued)

Connecting Arrangement - Denotes the service components provided by the Company to accomplish the direct electrical connection of customer-provided service components with the service components of the Company or the direct electrical connection of Company service components.

Connecting Company - A corporation, association, firm or individual owning and operating one or more exchange(s) and with whom traffic is interchanged.

Contract - The service agreement between a customer and the Company under which service components for communication between specified locations for designated periods, and for which the use of the customer or user specifically named in the contract are furnished in accordance with the provisions of the Tariff.

Covered Public Mall - A covered public area, intended for the general public use, which runs between two or more premises and is not an integral part of any building.

Customer - The person, firm or corporation who orders service and is responsible for the payment of charges and the compliance with the rules and regulations of the Company.

Customer Premises Equipment - Devices, apparatus and their associated wiring, provided by a customer or user for use with service components furnished by the Company for Private Line Service, not including customer-provided communications systems.

Customer Provided Premises Wiring - Premises wiring provided by a customer for use with service components furnished by the Company for Private Line Service.

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PRIVATE LINE SERVICE

1.5 Definitions (Continued)

Customer Provided Test Equipment - Denotes test equipment located at the premises of the customer or user that is used by the customer or user for the detection and/or isolation of a communications service fault.

Data Access Arrangement - Denotes a protective connecting arrangement for use with the network control signaling unit, or, in lieu of the connecting arrangement, an arrangement to identify a central office line and protective service components and procedures to determine compliance with criteria set forth in this Tariff.

Demarcation Point - That point at which the Company's responsibility for installation and maintenance on a tariffed basis ends and the customer's option to install and/or maintain inside wire begins.

Direct Electrical Connections - Denotes a physical connection of the electrical conductors in the communications path.

Distribution Center - Indicates amplifying and bridging equipment required to connect the various local sections of a music network or to connect local sections to an interexchange section of that network.

Duplex Service - Denotes service which permits customers or users to communicate in both directions simultaneously.

Encoded Analog Content - An analog signal which has been multiplexed and coded within a digital signal.

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PRIVATE LINE SERVICE

1.5 Definitions (Continued)

Equalized - Denotes a procedure which provides for the component frequencies of the material transmitted having about the same relationship at the two ends of the channel.

Equivalent Analog Signal Power - The power of the analog signal at the output of zero level decoder obtained when a digital signal is the input to the decoder. A zero level decoder yields an analog level of 0dBm at its output when the input is a digital multiwatt signal.

Exchange - Denotes a unit established by the Company or a connecting company for the administration of telecommunications service in a specified area which usually embraces a metropolitan area, city, town or village and its environs. It consists of one or more serving offices together with the associated plant used in furnishing communications service within that area.

Exchange Area - The area within which the Company will furnish complete telephone service at the service rates applicable within that area.

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## PRIVATE LINE SERVICE

1.5 Definitions (Continued)Grandfathered Connections of Communications System -

Denotes connections via Company-provided connecting arrangements of customer communications systems (including their equipment and premises wiring) at the customer's premise, in accordance with any of the Company's tariffs, and that are considered to be grandfathered under the Federal Communications Commission's Rules and Regulations because (a) such connection to the telecommunications network or the private line services specified in Section 1.6.2., B., following, were made via Company provided connecting arrangements connected to the telecommunications network or the private line services specified in Section 1.6.2, B., following, as of June 1, 1978, or (b) such connections to the private line services specified in Sections 1.6.2, C. or 1.6.2. D., following were made via Company-provided connecting arrangements prior to May 1, 1983, and such connecting arrangements were of a type of connecting arrangement connected to the private line services specified in Sections 1.6.2, C. or 1.6.2, D. following, as of April 30, 1980.

Grandfathered Connections of Terminal Equipment-

Denotes connections via Company-provided connecting arrangements of customer-provided terminal equipment connected at the premises of the customer, authorized user or joint user, in accordance with any of the Company's tariffs, and that are considered to be grandfathered under the Federal Communications Commission's Rules and Regulations because (a) such connections to the telecommunications network or the private line services specified in Section 1.6.2.B., following, were made via Company-provided connecting arrangements connected to the telecommunications network or the private line services specified in Section 1.6.2., B., following, as of October 17, 1977 or (b) such connections to the private line services specified in Sections 1.6.2, C. or 1.6.2, D, following, were made via Company-provided connecting arrangements prior to May 1, 1983, and such connecting arrangements were of a type of connecting arrangement connected to the private line services specified in Sections 1.6.2. C. or 1.6.2, D., following, as of April 30, 1980.

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PRIVATE LINE SERVICE

1.5 Definitions (Continued)

Half Duplex Service - Denotes service which permits communications alternately in either direction, or for communication in one direction only, including bidirectional simultaneous transmission of tones required solely for control purposes, quick turnaround or synchronization.

Interexchange Carrier (IC) or Interexchange Common Carrier

Denotes any individual, partnership, association, joint-stock company, trust, governmental entity or corporation engaged for hire in intrastate communication by wire or radio, between two or more exchanges, whether on their own facilities or by reselling the facilities or services of others.

Interexchange Channel - That portion of a Private Line Service which interconnects two primary serving offices in different exchanges or metropolitan exchanges within the same LATA.

Interexchange Service - A Private Line Service within the same LATA where the network interfaces located on customer's premises are in different exchanges or metropolitan exchanges within the same LATA.

Interoffice Channel - That portion of a Private Line Service within the same LATA which interconnects (1) local channels in different serving offices associated with intraexchange service or (2) interexchange channels with local channels.

Intrabuilding Network Cable - Cable in a building that extends the outside plant distribution service components from the building entrance to equipment rooms, cross connection points or other distribution points.

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PRIVATE LINE SERVICE

1.5 Definitions (Continued)

IntraLATA - Services which originate and terminate in the same Local Access and Transport Area (LATA).

Isochronous - Transmission timing derived from the signal carrying the data (i.e., no timing or clock lead is provided at the customer interface).

Local Access and Transport Area (LATA) - Denotes a geographical area established for the administration of communications service. It encompasses designated local operating company exchanges which are grouped to serve common social, economic and miscellaneous purposes.

Local Channel - That portion of a Private Line Service which interconnects a network interface located on a customer's premises to an interexchange channel.

Move -When used in connection with the application of move charges for Private Line Service, denotes a change in the physical location on different premises when made at the request of the customer, without discontinuance of service, of service components provided by the Company.

Multiline Terminating System Area - Denotes a premises or multi-premises within the same building or continuous property in resold or shared use arrangements for customer premises key or switching equipment.

Multipoint Service - Denotes a service arrangement which provides communications capability between more than two private line network interfaces within the same LATA constituting a common dedicated communications system.

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PRIVATE LINE SERVICE

1.5 Definitions (Continued)

Network Control Signaling - Denotes the transmission of signals used in telecommunications systems which performs functions such as supervision (control, status and charging signals), address signaling (e.g., dialing), calling and called number identification, audible tone signals (call progress signals indicating reorder or busy conditions, alerting, coin denominations, coin collect and coin return tones) to control the operation of switching machines in the telecommunications systems.

Network Control Signaling Unit - Denotes the service components furnished, installed and maintained by the Company for the provision of network control signaling.

Network Interface - A point of minimum penetration on a customer's premises where the network service is electrically terminated. This physical interface or demarcation point is a standard registration jack or its equivalent which provides electrical isolation between the network service and the customer premises and is defined for each type of Private Line Service (See Demarcation Point).

Other Line Charges - The charges applied by another company for the portion of an intraLATA interexchange service which it furnishes. The "other line" charges added to the Company's charge for the portion of the intraLATA interexchange service which it furnishes is the through charge for the entire intraLATA interexchange service furnished jointly by the Company and other connecting companies.

Other Telephone Company - See Connecting Company

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PRIVATE LINE SERVICE

1.5 Definitions (Continued)

Premises -

All portions of the same building occupied by the same customer, provided that:

The portions are not separated from each other by intervening offices, rooms, or suites not occupied by the customer.

The portions of different floors are contiguous and that the portion on the upper floor is directly above the portion occupied on the lower floor.

All of the buildings are located on one continuous plot of property, all of which plot is owned and/or held under lease by the same customer, and the buildings are not separated by a public vehicular thoroughfare which is governmentally owned.

Premises Wiring - Wiring on the customer's side of the network interface provided for use with service components furnished by the Company for Private Line Service.

Primary Serving Office - That office in a single office service area or that office of a multi-office service area which is designated by the Company as the primary serving office. A primary serving office is also a serving office. In a service area where a serving office is not physically located, a theoretical location has been established by the Company for billing purposes.

Private Line Service - Channels and other service components (when provided by the Company) provided solely for the use of a customer or user.

Registered - Denotes equipment which complies with and has been approved within the registration provisions of the Federal Communications Commissions's Rules and Regulations.

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PRIVATE LINE SERVICE

1.5 Definitions (Continued)

Served Direct Service - Those service components provided for specified two-point intraexchange channels between different buildings on different premises which do not route through a serving office.

Service Area - An **exchange of** a metropolitan exchange.

Service Components - All the plant and equipment of the Company, including all tangible and intangible real and personal property, without limitation, and any and all means and instrumentalities in any manner owned, operated, leased, licensed, used, controlled, furnished or supplied for, by or in connection with the business of the Company, including any construction work in progress. (CT)

Service Point - Denotes the service components furnished by the company at a location on a premises connected for Private Line Service, or a point on a premises at which a Private Line Service is terminated, where the service at that premises involves only channels furnished by the Company, and the transmitting or receiving equipment, or combination transmitting and receiving equipment, is furnished by the customer.

Serving Office - The office in the service area from which a customer would normally be served for Local Exchange Service. Where the serving office is not located in the service area, a theoretical location has been established by the Company for billing purposes.

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PRIVATE LINE SERVICE

1.5 Definitions (Continued)

Serving Office Area -

The specific area normally served by a serving office. A serving office area may be served in several ways, namely:

By a single unit serving office with one telephone number prefix.

By a multiple unit serving office with multiple telephone number prefixes.

By a theoretical serving office with switching equipment located in another exchange or serving office area. Such an area is also termed a "potential serving office area."

Station Port - The classification of the station interface for off-premises main stations or extension stations of a premises PBX (or similar) switching system used in reference to loop signaling requirements on grandfathered and registered PBX systems.

Studio - When used in connection with Private Line Service for wired music distribution, indicates fixed premises of a customer at which personnel of the customer are present and in which audio material regularly originates or is received for closed circuit transmission to wired music service point locations. The term "studio" excludes all locations where the subject matter to be transmitted is not originated primarily for wired music distributions.

Termination - When used in connection with the application of termination charges for Private Line Service, denotes the discontinuance, either at the request of the customer, or by the Company, under the regulations concerning cancellation for cause of service or service components provided by the Company.

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PRIVATE LINE SERVICE

1.6 Connections

1.6.1 General Provisions

A. General

1. Terminal equipment and communication systems may be connected at the customer's premises to Private Line Service furnished by the Company where such connections are made in accordance with applicable provisions of this Tariff and the Connections with Equipment of Facilities Provided by the Customer and Private Line and Equipment Sections of the General Exchange Tariff.
2. The term "telecommunications service," when used in this section, denotes Local Exchange Service, Message Telecommunications Service (MTS) and Wide Area Telecommunications Service (WATS).

B. Responsibility of the Customer

1. The customer shall be responsible for the installation, operation and maintenance of any customer or interexchange carrier-provided terminal equipment or communications system. No combination of customer premises equipment or communications system shall require a change or alteration in service components of the Company, cause electrical hazards to Company personnel, damage to Company service components, malfunction of Company billing equipment or degradation of service to persons other than the use of the subject terminal equipment or communications system, his calling or called party. Upon notice from the Company that customer premises equipment or a communications system is causing such hazard, damage, malfunction or degradation of service, the customer shall make such change as shall be necessary to remove or prevent such hazard, damage, malfunction or degradation of service.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.1 General Provisions (Continued)

B. Responsibility of the Customer (Continued)

2. The customer shall be responsible for the payment of a nonrecurring Trouble Isolation Charge found in Miscellaneous Equipment and Services Section of the General Exchange Tariff for each repair visit to a premises of the customer or user or premises of any other customer where the service difficulty or trouble results from the use of equipment or service components provided by the customer or user.

C. Responsibility of the Company

1. Private Line Service is not represented as adapted to the use of the customer or interexchange carrier-provided terminal equipment or communications system. Where such terminal equipment or communications systems are used with Private Line Service, the responsibility of the Company shall be limited to the furnishing of service components suitable for Private Line Service and to the maintenance and operation of service components in a manner proper for such service. Subject to this responsibility, the Company shall not be responsible for (1) the through trans-mission of signals generated by the customer premises equipment or communications system or for the quality of, or defects in, such transmission, or (2) the reception of signals by customer premises equipment or communications system or (3) address signaling where such signaling is performed by customer - provided signaling equipment.
2. The Company will, at the customer's request, provide information concerning interface parameters, including the number of ringers which may be connected to a particular line needed to permit customer premises equipment to operate in a manner compatible with the telecommunications services network.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.1 General Provisions (Continued)

C. Responsibility of the Company (Continued)

3. The company may make changes in its telecommunications service network, service components, operations or procedures where such action is not inconsistent with the Federal Communications Commission's Rules and Regulations. If such changes can be reasonably expected to render any customer premises equipment or communications system incompatible with the telecommunications services network, or require modification or alteration of such customer premises equipment or communications system, or otherwise materially affect its use or performance, the customer or interexchange carrier will be given adequate notice in writing to allow the customer or the interexchange carrier an opportunity to maintain uninterrupted service.

D. Recording of Two Way Telephone Conversations

Private Line Service is not represented as adapted to the recording of two-way telephone conversations. When customer-provided voice recording equipment is used with a Private Line Service which is connected to telecommunications services, the provisions relating to Recording of Two-Way Telephone Conversations as set forth in the Connections with Equipment or Facilities Provided by Customers Section of the General Exchange Tariff are applicable to such Private Line Service.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.1 General Provisions (Continued)

E. Violation of Regulations

When any customer's or interexchange carrier's customer premises equipment or communications system is used with Private Line Service in violation of any of the provisions in this section, the Company will take such immediate action as necessary for the protection of the telecommunications network and Company employees and will promptly notify the customer or interexchange carrier of the violation. The customer shall take such steps as are necessary to discontinue such use of the terminal equipment or communications system, or correct the violation, and shall confirm in writing to the Company within 10 days following the receipt of written notice from the Company, that such use has ceased or that the violation has been corrected. Failure to discontinue such use or correct the violation and to give required written confirmation to the company within the time stated above, shall result in suspension of the customer's service until such time as there is compliance with the provisions of this Tariff.

F. Connection of Service Components Furnished by the Customer Which Involve Hazardous or Inaccessible Locations

Service Components furnished by the customer which involve hazardous or unaccessible locations may be connected with Private Line Service furnished by the Company. Such service components furnished by the customer must comply with the minimum protection criteria contained in Section 1.6.3, E., following.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.2 Connections of Registered Equipment, Grandfathered Terminal Equipment and Grandfathered Communications Systems

- A. Terminal equipment, protective circuitry and communications systems that are registered may be connected to those Private Line Services specified in Section 1.6.2, B., 1.6.2,C., or 1.6.2,D., following, subject to Section 1.6.1, preceding, and further subject to the Connections with Equipment or Facilities Provided by Customers Section of the General Exchange Tariff.
- B. The connection may be made only at the premises of the customer or user to Series 300(1) or 400 Private Line Service that present a two-wire or four-wire loop signaling interface for such connection under the following conditions:
  - 1. Registered terminal equipment, registered protective circuitry and registered Key Telephone Systems may be connected to the service point end of Private Line services furnished in connection with off-premises service.
  - 2. Registered PBX Systems may be connected as a trunk termination to the service point end of Private Line Services furnished in connection with off-premises service.
  - 3. Registered terminal equipment, registered protective circuitry and registered Key Telephone Systems may be connected to common controlled switching access lines.
- C. The connection of registered terminal equipment and registered PBX Systems may be made only at the customer's premises to a Series 300(1) or 400 Private Line Service that presents an interface for a two-wire or four-wire transmission, with separate E & M signaling leads conventionally known as Type I (battery/ground) or Type II (contact closure type). Such E & M signaling leads are those terminal equipment or PBX leads (other than voice or data communications leads) used for the purpose of transferring supervisory or address signals across the interface.

- (1) Obsolete - applicable to existing installations at existing locations for existing customers.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.2 Connections of Registered Equipment, Grandfathered Terminal Equipment and Grandfathered Communications Systems  
(Continued)

- D. The connection of customer-provided registered terminal equipment and registered PBX System may be made only at the premises of the customer to a Series 100, 300(1) or 400 Private Line Service furnished to provide indications of message registration of outgoing calls or Automatic Identification of Outward Dialing (AIOD) to such customer-provided equipment or systems. In addition, customers who intend to install, perform additions to, or make rearrangements of AIOD functions shall give advance notice to the Company in accordance with the procedures specified in the Federal Communications Commission's Rules and Regulations or as otherwise authorized by the Federal Communications Commission.
- E. Grandfathered terminal equipment and grandfathered communications systems directly connected to the Private Line Services specified in Section 1.6.2., B., preceding, are subject to regulations in the Connections with Equipment or Facilities Provided by the Customer Section of the General Exchange Tariff.

- (1) Obsolete-applicable to existing installations at existing locations for existing customers.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.3 Connections of Customer Premises Equipment and  
Communications Systems Not Subject to the Federal  
Communications Commission's Registration Program

A. General

1. Connecting arrangements are not required and minimum protection criteria are not applicable where customer premises equipment or communications system are connected with the following channels when such channels are used for the types of transmission specified herein due to the nature of the service provided and/or type of channels and equipment used:
  - Series 100
  - Series 200
  - Series 400
2. Except as otherwise provided in Section 1.6.2 preceding, customer premises equipment and communications systems may be electrically connected to Private Line Services in accordance with Section 1.6.3.
  - a. When the customer premises equipment or communications system is connected with Private Line Service furnished by the Company and such Private Line Service is not arranged for connection to telecommunications services, such connections shall be made to a network interface provided by the Company.
  - b. When the customer premises equipment or communications system is connected with Private Line Service furnished by the Company and such Private Line Service is arranged for connection to telecommunications services:
    - (1) Except as otherwise specified in Section 1.6.3, D.2., following, such connections shall be made through a connecting arrangement as provided for in this Section.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.3 Connections of Customer Premises Equipment and Communications Systems Not Subject to the Federal Communications Commission's Registration Program (Continued)

A. General (Continued)

2. (Continued)

b. (Continued)

(2) The connection shall be such that the functions of the network control signaling (except customer-provided tone-type address signaling through a Company-provided connecting arrangement) are performed by service components furnished by the Company.

c. Customer premises equipment or communications systems connected pursuant to Section 1.6.3, A.2.a. or b., preceding, must comply with the minimum protection criteria specified in Section 1.6.3, E., following.

B. Data Terminal Equipment-Direct Electric Connection

Customer-provided data terminal equipment which involves direct electrical connection to service components furnished for Private Line Service by the Company may be used with such service components for such purpose under the conditions set forth below:

1. The customer shall be responsible for ordering and specifying the type channel and the channel conditioning for operation with data processing equipment provided by the customer. The undertaking of the Company is to furnish the type channel and channel conditioning as ordered and specified by the customer.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.3 Connections of Customer Premises Equipment and  
Communications Systems Not Subject to the Federal  
Communications Commission's Registration Program (Continued)

B. Data Terminal Equipment-Direct Electric Connection  
(Continued)

2. Except as otherwise specified in Section 1.6.3, B.3. following, when the connection of customer-provided data terminal equipment requires the use of data sets, the data sets will be provided by the customer. When the customer provides his own data set(s) on a given Private Line Service, it shall be the responsibility of the customer to ensure the continuing compatibility of such data set(s) with the service components furnished by the Company.
3. To protect the telecommunications services network, the connection of customer-provided data terminal equipment to Private Line Service provided by the Company, when such Private Line Service is arranged for connection to telecommunications services, shall be through a connecting arrangement as described below:

Data Access Arrangement - When the customer provides and uses data terminal equipment through a data access arrangement, the customer shall furnish the equipment which performs the function of data signal conditioning and the Company shall furnish the data access arrangement for use with the network control signaling unit.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.3 Connections of Customer Premises Equipment and  
Communications Systems Not Subject to the Federal  
Communications Commission's Registration Program (Continued)

B. Data Terminal Equipment-Direct Electric Connection  
(Continued)

4. When the data access arrangement furnished with customer premises equipment is used for both voice and data communications, the data access arrangement will be used to connect the customer premises equipment for voice communications.

C. Voice Terminal Equipment

1. Customer-provided voice terminal equipment may be connected at the customer's premises to Private Line Service in accordance with the following when such Private Line service is arranged as provided in Section 1.6.3, A.2.b., preceding.
  - a. The connection shall be made through a network control signaling unit and a connecting arrangement furnished by the Company.
  - b. When the data access arrangement is furnished in connection with customer premises equipment and such premises equipment is used for both voice and data communication, the data access arrangement will be used to connect the customer premises equipment for voice communication.
2. Attested equipment and conforming answering devices may be used with Private Line Service subject to the provisions of the Connections With Equipment of Facilities Provided by Customers Section of the General Exchange Tariff.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.3 Connections of Customer Premises Equipment and Communications Systems Not Subject to the Federal Communications Commission's Registration Program (Continued)

D. Communications Systems

1. Customer-provided communications systems (other than communications systems connected pursuant to Section 1.6.2 preceding) may be connected to Private Line Service in accordance with Section 1.6.3. These communications systems (including channels derived from such systems) not exceeding voice grade may be connected at the customer's premises where the customer has a regular and continuing requirement for the origination or termination of communications over the customer-provided communications system provided that:
  - a. The normal mode of operation of the customer-provided communications system shall be to provide communications originating or terminating at the premises on which the connection is made.
  - b. The connection shall be made through switching equipment provided by the customer.
  - c. The connection shall be to channels of voice grade or less.
2. When the Private Line Service is arranged as provided in Section 1.6.3, A.2.b., preceding, the connection is made through:
  - a. A connecting arrangement provided by the Company.
  - b. Registered or grandfathered terminal equipment, communications systems or protective circuitry which, either singularly or in combination, assures that the requirements of the Federal Communications Commission's Rules and Regulations are met at the private line network interface.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.3 Connections of Customer Premises Equipment and  
Communications Systems Not Subject to the Federal  
Communications Commission's Registration Program (Continued)

D. Communications Systems (Continued)

2. (Continued)

b. (Continued)

Minimum protection criteria as set forth in Section 1.6.3, E., following, must be complied with when the connection is made through equipment or systems that are not registered.

In lieu of these requirements for total hardware protection, an optional, alternative method as described in Section 1.6.3, D.3., following, is available for the control of signal power only.

3. When customer-provided communications systems not subject to the Federal Communications Commission's Rules and Regulations are connected to Private Line Services that are arranged as provided in (a) a Company-provided connecting arrangement or (b) registered or grandfathered terminal equipment or communications systems, protective circuitry which assures that all of the requirements of the Federal Communications Commission's Rules and Regulations are met at the Private Line Service network interface, no further action is required. However, when a customer elects to connect a communications system to Private Line service and the registered or grandfathered equipment, system or protective circuitry through which the connection is made does not provide protection for signal power control, the customer must comply with the following institutional procedures:

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.3 Connections of Customer Premises Equipment and  
Communications Systems Not Subject to the Federal  
Communications Commission's Registration Program (Continued)

D. Communications Systems (Continued)

3. (Continued)

a. The customer-provided communications system must be installed, operated and maintained so that the signal power (within the frequency range of 200-4000 Hertz) at the Private Line Service network interface continuously complies with the Federal Communications Commission's Rules and Regulations.

b. The operator(s)/maintainer(s) responsible for the establishment, maintenance and adjustment of the voice frequency signal power present at the Private Line service network interface must be trained to perform these functions by successfully completing one of the following:

(1) A training course provided by the manufacturer of the equipment used to control voice frequency signal power.

(2) A training course provided by the customer or authorized representative, who has responsibility for the entire communications system, using training materials and instructions provided by the manufacturer of the equipment used to control the voice frequency signal power.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.3 Connections of Customer Premises Equipment and  
Communications Systems Not Subject to the Federal  
Communications Commission's Registration Program (Continued)

D. Communications Systems (Continued)

3. (Continued)

b. (Continued)

(3) An independent training course (e.g.,  
trade school or technical institution)  
recognized by the manufacturer of the  
equipment used to control the voice  
frequency signal power.

(4) In lieu of the preceding training require-  
ments, the operator(s)/maintainer(s) is  
under the control of a supervisor trained  
in accordance with Section 1.6.3, D.1.a.  
through c., preceding.

Upon Request, the customer is required to  
provide the proper documentation to demon-  
strate compliance with these requirements.

c. At least 10 days' advance notice must be given  
to the Company in the form of a notarized  
affidavit before the initial connection of the  
customer-provided communications system, A  
copy of the affidavit must also be maintained  
at the customer's premises. The affidavit must  
contain the following information:

(1) The full name, business address, business  
telephone number and signature of the  
customer or authorized representative who  
has responsibility for the operation and  
maintenance of the communications system.

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1.6 Connections (Continued)

1.6.3 Connections of Customer Premises Equipment and  
Communications Systems Not Subject to the Federal  
Communications Commission's Registration Program (Continued)

D. Communications Systems (Continued)

3. (Continued)

c. (Continued)

(2) The line(s) which the communications system will be either connected to or arranged for connection to.

(3) A statement that all operations associated with the establishment, maintenance and adjustment of the signal power present at the Private Line Service network interface will comply with Federal Communication's Commissions Rules and Regulations.

(4) A statement describing how each operator/maintainer of the communications system will meet and continue to meet the training requirements for persons installing, adjusting or maintaining the communications system.

4. Extraordinary Procedures

a. The Company may invoke extraordinary procedures to protect the Private Line Service where one or more of the following conditions are present:

(1) Information provided in the affidavit gives reason to believe that a violation of the Federal Communications Commission's Rules and Regulations or the Institutional Procedures set forth in Section 1.6.3, D.3., preceding, is likely.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.3 Connections of Customer Premises Equipment and  
Communications Systems Not Subject to the Federal  
Communications Commission's Registration Program (Continued)

D. Communications Systems (Continued)

4. Extraordinary Procedures (Continued)

a. (Continued)

(2) Harm has occurred and there is reason to believe this harm was a result of operations performed under the Institutional Procedures set forth in Section 1.6.3, D.3., preceding.

b. The extraordinary procedures which can be invoked by the Company include:

(1) Requiring the use of protective apparatus which either protects solely against signal power or which assures that all of the requirements of the Federal Communications Commission's Rules and Regulations are met at the Private Line Service network interface. This protective apparatus may be provided by either the Company or the customer.

(2) Disconnecting service.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.3 Connections of Customer Premises Equipment and Communications Systems Not Subject to the Federal Communications Commission's Registration Program (Continued)

D. Communications Systems (Continued)

4. Extraordinary Procedures (Continued)

- a. A charge equal to the Trouble Isolation Charge found in the Miscellaneous Equipment and Service Section of the General Exchange Tariff will apply when:

(1) It is necessary to send a Company employee to the premises where the connection is made because a condition set forth in Section 1.6.3, D.4.(a), preceding, exists.

(2) A failure to comply with the Federal Communications Commission's Rules and Regulations or the institutional procedures for signal power control in Section 1.6.3, D.3., preceding, is disclosed.

E. Minimum Protection Criteria for Electrical Connections

1. Since Private Line Service utilizes company channels and service components in common with other services, it is necessary in order to prevent excessive noise and crosstalk, that the power of the signal applied to the Company Private Line service is individually engineered. A single-valued limit for all applications cannot be specified. Therefore, the power of the signal in the band above 300 Hertz which may be applied by the customer-provided equipment to the network interface will be consistent with the signal power allowed on the telecommunications services network.
2. To protect other services, it is necessary that the signal which is applied by the customer-provided equipment to the Company network interface located on the customer's premises meet the following limits:

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.3 Connections of Customer Premises Equipment and  
Communications Systems Not Subject to the Federal  
Communications Commission's Registration Program (Continued)

E. Minimum Protection Criteria for Electrical Connections  
(Continued)

2. (Continued)

- a. The power in the band from 3,995 Hertz to 4,005 Hertz shall be at least 18dB below the power of the signal as specified in Section 1.6.3, E.1., above.
- b. The power in the band from 4,005 Hertz to 10,000 Hertz shall not exceed 16dB below one milliwatt.
- c. The power in the band from 10,000 Hertz to 25,000 Hertz shall not exceed 24dB below one milliwatt.
- d. The power in the band from 25,000 Hertz to 40,000 Hertz shall not exceed 36dB below one milliwatt.
- e. The power in the band above 40,000 Hertz shall not exceed 50dB below one milliwatt.

- 3. Where there is connection to telecommunications services to prevent the interruption or disconnection of a call or interference with network control signaling, it is necessary that the signal applied by the customer-provided equipment to the Company network interface located on the customer's premises at no time has energy solely in the 2450 to 2750 Hertz band. If signal power is in the 2450 to 2750 Hertz band, it must not exceed the power present at the same time in the 800 to 2450 Hertz band.

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## PRIVATE LINE SERVICE

1.6 Connections (Continued)1.6.3 Connections of Customer Premises Equipment and  
Communications Systems Not Subject to the Federal  
Communications Commission's Registration Program (Continued)  
E. Minimum Protection Criteria for Electrical Connections  
(Continued)

4. When customer premises equipment is being utilized for signals having components in the frequency spectrum below 300 Hertz, excluding ringing signals, the currents and voltages (including all harmonics and spurious signals) at the network interface shall not exceed the limits indicated in Section 1.6.3, E.4.a. through d., following:
  - a. The maximum rms (root-mean-square) value, including dc and ac components of the current per conductor will be specified by the Company, but in no case will the specified value exceed 0.35 ampere.
  - b. The magnitude of the peak of the conductor to ground voltage shall not exceed 70 volts.
  - c. The conductor-to -conductor voltage shall be such that the conductor-to-ground voltage limit in b., above, is not exceeded. If the signal source is not grounded, the voltage limit in Section 1.6.3, E.4.b., above, applies to the conductor-to-conductor voltage.
  - d. The total weighted rms voltage within the band from 50 Hertz to 300 Hertz shall not exceed 100 volts. The total weighted rms voltage is the square root of the sum of the products of the weighted factors for the individual frequency components times the square of the rms voltage of the individual frequency components. The weighted factors are as indicated:

<u>For Frequencies Between</u>	<u>Weighing Factor</u>
50 Hertz and 100 Hertz	$f^2/10^4$
100 Hertz and 300 Hertz	$f^{3.3}/10^{6.6}$

Where f is the numerical value of the frequency, in Hertz, of the frequency component being weighted.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.4 Channel Derivation Devices

Customer-provided channel derivation devices which are used to create additional channels in accordance with Sections 1.6.4, A. and B., following, may be connected to Private Line Services subject to Sections 1.6.1, 1.6.2 and 1.6.3, preceding.

- A. Subject to the normal transmission characteristics of the Private Line Service ordered, the customer may create additional channels from the service ordered through the use of channel derivation equipment located at his premises. Channel derivation equipment can be used with any service except Medium Speed Facsimile.
- B. The Company makes no representation as to: (1) the suitability of the channels it provides for such subdivision into additional channels by derivation equipment or (2) the suitability of the derived channels for any communications purpose.

1.6.5 Connections of Certain Facilities of Power, Pipeline and Railroad Companies(1)

Service components of an electric power company, oil, oil products or natural gas pipe line company, or a railroad company provided primarily to communicate with points located along a right of-way (including premises of such company anywhere in cities, towns, or villages along the right-of-way) owned or controlled by such company, may be connected with services furnished by the company to the same customer, subject to the following:

- A. Such connections will be made by means of switching or connecting equipment furnished by the Company.

(1) Obsolete-applicable to existing installation at existing location for existing customers.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.5 Connections of Certain Facilities of Power Pipeline and Railroad Companies (1) (Continued)

B. Such customer telephone service components will be connected to Private Line Services furnished by the company for voice transmission utilizing a Series 300(1) or 400 channel when furnished to the same customer for communications with service points associated with such services; provided, however, that service components of the customer will not be connected to a local or toll central office line to form a through connection except as follows:

1. In cases of emergency involving safety of life or property.
2. In cases of calls originated by railroad employees under circumstances indicating the need for prompt action to secure or maintain the safety, continuity or reliability of railroad service to the public, and related to the movement of passengers, mail, property or equipment by railroad, or the repair, maintenance or construction of railroad rights-of-way, structures or equipment.
3. In cases where the customer service components serve locations where it is impracticable because of hazard or inaccessibility for the company to furnish its service components.
4. During an interim period in cases where the customer has arranged for replacement of said customer service components with service components of the Company.

C. Telephone circuits of such companies will be connected to a local or toll central office line to form a through connection only through manual switching equipment or an attendant's position of dial PBX equipment. Such equipment or positions may be located at either or both ends of the customer's circuit.

(1) Obsolete-applicable to existing installations at existing locations or existing customers.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.5 Connections of Certain Facilities of Power Pipeline and Railroad Companies (1) (Continued)

- D. Connection of a telephone circuit of such companies as specified in Sections 1.6.5, B.2., 3. or 4., preceding, may be established at either end of such circuit, but shall not be established at both ends simultaneously.
- E. Customer teletypewriter or morse, telephotograph, data transmission, remote metering, supervisory control or miscellaneous signaling service components will be connected to Private Line Service furnished by the Company for such purposes to the same customer.
- F. Company-provided Private Line service, when connected with service components of the customer, will not be used for communications of other than the customer, except that such services may be used for the communications of, and be connected with services furnished by the Company, to other companies which:
  - 1. Are operated with the customer as parts of an integrated electric power, oil, oil products or natural gas system or railroad system under direct or common ownership or control.
  - 2. Own or operate an electric power, pipe line or railroad system jointly with the customer.
  - 3. Own or operate electric power, pipeline or railroad service components interconnected with those of the customer.

Company-provided line services when so connected may be connected to a local or toll center office line to form a through connection for communications of other companies specified in Section 1.6.5, F.1., 2. or 3., preceding, including calls originated by employees of such companies only under the circumstances set forth in Sections 1.6.5, B.1. and 2., preceding.

- (1) Obsolete-applicable to existing installations at existing locations for existing customers.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.6 Connections of Certain Facilities of the U.S. Army, Navy,  
and Air Force (1)

Service components of the U.S. Department of the Army, Navy, or Air Force will be connected with services furnished by the Company, in lieu of the provisions of Section 1.6.3, D., preceding, as provided in Section 1.6.7, following, where the Secretary of the appropriate department or his authorized representative notifies the Company in writing that such connection is required for reasons of military necessity. Such connections will be made by means of switching or connecting equipment furnished by the Company.

- A. Telephone service components of the aforesaid Departments will be connected to Private Line Services furnished by the Company for voice transmission utilizing a Series 300(1) or 400 channel for communications with service points associated with such services; provided, however, that such department service points will not be connected to a local or toll central office line to form a through connection, except in cases of emergency involving safety of life or property unless such service components are provided in locations where it is impracticable for the Company to furnish its services.
- B. Teletypewriter or morse, telephotograph, data transmission, remote metering, supervisory control or miscellaneous signaling service components of the aforesaid departments will be connected to Private Line Services furnished for such purposes.

- (1) Obsolete-applicable to existing installations at existing locations for existing customers.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.6 Connections of Certain Facilities of the U.S. Army, Navy,  
and Air Force (1) (Continued)

- C. Customer premises equipment and communications systems connected to the Private Line Services specified in Section 1.6.2, B., preceding in accordance with Section 1.6.6, A. and B., preceding, prior to January 1, 1980, may remain connected and be moved and reconnected for the life of the equipment without registration unless subsequently modified. New installation of customer premises equipment or communications systems subject to the Federal Communications Commission's Rules and Regulations connected to such Private Line Services must meet the requirements of the Federal Communications Commission's Rules and Regulations.
- D. Effective May, 1, 1983, new installations of, or additions to, customer premises equipment and communications systems subject to the Federal Communications Commission's Rules and Regulations, connected to the Private Line Services specified in Section 1.6.2 preceding, in accordance with Sections 1.6.6, A. and B., preceding, must meet the requirements of the Federal Communications Commission's Rules and Regulations.

1.6.7 Connection of Services Furnished by the Company to Different Customers

- A. Private Line Service furnished to a customer may be connected:
  - 1. With a Private Line Service furnished to a branch or agency of the United States Government for the purposes specified under Sections 1.6.7, A.1. and 2., following, provided such connection is authorized by the branch or agency to whose service the connection is made and connections are made by means of connecting or switching arrangements furnished by the Company.

(1) Obsolete-applicable to existing installations at existing locations for existing customers.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.7 Connection of Services Furnished by the Company to Different Customers (Continued)

A. (Continued)

2. With a Private Line Service, Message Telecommunications Service, Local Exchange Service or Wide Area Telecommunications Service access line furnished to a different customer.

B. Connections, as specified above, will be provided only when the same types of channels (except Message Telecommunications Service, Local Exchange Service or Wide Area Telecommunications Service lines) are connected and the same forms of electrical communication are used over the connected channels.

1. Where the private line service is furnished to the Government for teletypewriter transmission for the collection and dissemination of (a) weather information (b) miscellaneous airways information pertaining to the supervision of the flight aircraft along the civil airways, or (c) agricultural and farm market information, connection may be made as follows:

a. Receiving-Only Service - for reception of weather and miscellaneous airways information and agricultural and farm market information transmitted over the Government service to which it is connected.

b. Sending and Receiving Service - for transmission of flight plans and acknowledgment of such plans from the Government service to which connection is authorized.

2. Where the private line utilizes a voice grade data channel and is furnished to the Government for data transmission for the collection and dissemination of weather information and for the collection and dissemination of data relating to national defense, connection may be made for such purposes.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.7 Connection of Services Furnished by the Company to Different Customers (Continued)

B. (Continued)

3. Channels of voice grade or less furnished by the Company to one customer may be connected to channels created by another customer in accordance with Section 1.6.4, preceding.
4. Private lines for teletypewriter transmission furnished to the U.S. Army may be connected to private lines for teletypewriter transmission to the Association Press and United Press International for the purpose of establishing an Emergency Action Notification System provided that said customers agree to such connections. Connections will be made by means of service components provided by the Company.

1.6.8 Connection of Service Furnished by the Company with Services of Interexchange Carriers

The connection of Private Lines Service and service components furnished by the Company with services of an interexchange carrier(s) shall be in accordance with the rules and regulations found in the Company's Intrastate Access Service Tariff.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.9 U.S. Government Executive Departments and Agencies (1)

Equipment of a department or agency of the Executive Branch of the U.S. Government used for the purpose of disguising or concealing the contents or meaning of communications may be connected to Company services, subject to the regulations and conditions below:

- A. The head of the department or agency whose equipment is to be connected, or his authorized representative, shall notify the Company in writing that such connection is necessary to safeguard official information which requires protection in the interests of national defense or other confidential official information, of which disclosure to unauthorized person would be detrimental to the public interest.
- B. The Government equipment shall be so constructed, maintained and operated as to work satisfactorily with the service components of the Company.
- C. The connection shall be made by means of service components provided by the company, subject to the provisions of Section 1.6.2, preceding.

- (1) Obsolete-applicable to existing installation at existing locations for existing customers.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.10 Connections of Service Furnished by the Company to the Same Customer

A Private Line Service furnished by the Company may be connected to another private line furnished by the Company or by the Company and an interexchange carrier, or furnished to another service provided by the Company as specified in Section 1.6.10, A. through D., following.

- A. A Private Line Service may be connected to another private line if the forms of electrical communications for which they are being used are the same. These private lines may be connected at the premises of the customer, with a common service point on both private lines.
- B. Channels created by the customer in accordance with the provisions of Section 1.6.4, preceding, may be connected at the customer's premises:
  - 1. To channels of voice grade or less furnished by the Company, and the channels created therefrom as authorized in Section 1.6.4, preceding.
  - 2. The connection of channels are subject to the regulations contained in Sections 1.6.1 and 1.6.2 preceding.

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1.6 Connections (Continued)

1.6.10 Connections of Service Furnished by the Company to the Same Customer (Continued)

- C. A voice grade Private Line Service for voice communication or other types of voice grade channels, when used alternately for voice transmission and when in the voice mode, may be connected at a PBX or other switching or connecting arrangement to Message Telecommunications Service, Local Exchange Service or Wide Area Telecommunications Service access lines to form a through connection over the private and local exchange lines where service component conditions permit. It is not contemplated that more than one such type of connection will be established simultaneously, and transmission is not represented as adapted to such connections.

When a two-point Private Line service or a multipoint Private Line Service arranged for service solely between two points utilizing the above type channel is used for transmission of data, through connections over the private and exchange lines may also be established as described above.

- D. Channels of less than voice grade may be connected at the customer's premises to Message Telecommunications Service, Local Exchange Service or a Wide Area Telecommunications Service access line through switching equipment provided by the customer or through company service components. The connection shall be through a data set or a data access arrangement and shall be such that the function of network control signaling is performed by service components furnished installed and maintained by the Company.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.11 Connections of Customer-Provided Test Equipment

A. Totally Protective Connections

1. Customer-provided test equipment may be connected to those Private Line Services specified in Section 1.6.2, preceding, at the premises of the customers through registered or grandfathered terminal equipment, protective circuitry or communications systems subject to the Federal Communications Commission's Rules and Regulations which, either singularly or in combination, assure that all of the requirements of the Federal Communications Commission's Rules and Regulations (total protection) are met at the Private Line Service interface.
2. Customer-provided test equipment may be connected to those Private Line Services specified in Section 1.6.3, A.2., preceding, at the premises of the customer either (a) directly at the Private Line Service interface or (b) through other equipment, provided that the minimum protection criteria specified in Section 1.6.3, E., preceding, is continually met at the Private Line Service interface.

B. Program for Connections of Customer-Provided Test Equipment

Customer-provided test equipment may also be connected at the premises of the customer to those Private Line Service specified in Section 1.6.2, preceding, either (a) directly at the Private Line Service interface or (b) through terminal equipment, protective circuitry or communications systems subject to the Federal Communications Commission's Rules and Regulations which do not provide protection for signal power control under the following program provided that:

1. The customer-provided test equipment is limited to transmission signal power generating and/or detection devices, or similar devices, utilized by the customer for the detection and/or isolation of a communications service fault.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.11 Connections of Customer-Provided Test Equipment (Continued)

B. Program for Connections of Customer-Provided Test  
(Continued)

2. The customer-provided test equipment is of a type that was lawfully directly connected to Private Line Service as of March 6, 1981. Such test equipment may remain connected, be moved or reconnected during the life of the test equipment unless it has been subsequently modified.
3. Direct connection of customer-provided test terminal equipment or connection through Company-provided terminal equipment or communications systems subject to the Federal Communications Commission's Rules and Regulations are made through Company-provided jacks or as otherwise authorized by the Company.
4. Customer-provided test equipment must be operated in accordance with the Procedures for Signal Power Control as specified in Section 1.6.11, C., following.
5. The customer notifies the Company of each Private Line Service at each premises to which the customer-provided test equipment will be connected in advance of the initial connection. The customer must also notify the Company when such test equipment is permanently disconnected at each premises.
6. No customer-provided test equipment or combination of test equipment with terminal equipment, protective circuitry or communications systems subject to the Federal Communications Commission's Rules and Regulations (including but not limited to wiring) may cause electrical hazards to Company personnel, damage to Company equipment, malfunction of Company billing equipment, or degradation of service to persons other than the user of the subject test equipment or the user's calling or called party.

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

6.11 Connection of Customer-Provided Test Equipment (Continued)

C. Procedures for Signal Power Control

1. In accordance with Section 1.6.11, B.4., preceding, the customer must comply with the following procedures:
  - a. The customer must install, operate and maintain the test equipment so that its signal power at the Private Line Service interface complies with the Federal Communications Commission's Rules and Regulations.
  - b. The operator(s)/maintainer(s) responsible for the test equipment signal power present at the Private Line Service interface must be trained to perform these function by successfully completing one of the following:
    - (1) A training course provided by the manufacturer of the test equipment.
    - (2) A training course provided by the customer, or authorized representative of the customer, using training materials and instructions provided by the manufacturer of the test equipment.
    - (3) An independent training course (e.g., trade school or technical institution) recognized by the manufacturer of the test equipment.
    - (4) In lieu of the preceding training requirements, the operator(s) maintainer(s) is under the control of a supervisor trained in accordance with Sections 1.6.11, C.1.b.(1) through (3), preceding.
  - c. Upon request, the customer is required to provide proper documentation to demonstrate compliance with the above requirements.

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1.6 Connections (Continued)

1.6.11 Connections of Customer-Provided Test Equipment (Continued)

C. Procedures for Signal Power Control (Continued)

1. (Continued)

d. Advance notice must be given to the Company in the form of a notarized affidavit before the initial connection of the customer-provided test equipment at each premises after April 9, 1981. A copy of the affidavit must also be maintained at the customer's premises. The affidavit must contain the following information:

- (1) The full name, business address, business telephone number and signature of the customer or authorized representative who has responsibility for the operation of the test equipment.
- (2) The line(s) to which the test equipment will be either connected to or arranged for connection to.
- (3) A statement that all operations associated with the establishment, maintenance and adjustment of test equipment signal power present at the private line service interface will comply with the Federal Communications Commission's Rules and Regulations.
- (4) A statement describing how each operator of the test equipment will meet and continue to meet the training requirements for persons installing connecting, adjusting or maintaining the test equipment.

2. Extraordinary Procedures

- a. The Company may invoke extraordinary procedures to protect the telecommunications services network where one or more of the following conditions are present:

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PRIVATE LINE SERVICE

1.6 Connections (Continued)

1.6.11 Connections of Customer-Provided Test Equipment (Continued)

C. Procedures for Signal Power Control (Continued)

2. Extraordinary Procedures (Continued)

a. (Continued)

(1) Information provided in the affidavit gives reason to believe that a violation of the Federal Communications Commission's Rules and Regulations or the procedures set forth in Section 1.6.11, C.1., preceding is likely.

(2) Harm has occurred, and there is reason to believe this harm was a result of operations performed under the Institutional Procedures set forth in Section 1.6.11, C.1., preceding.

b. The extraordinary procedures which can be invoked by the company include:

(1) Requiring the use of protective apparatus which either protects solely against excessive signal power or which assures that all of the requirements of the Federal Communications Commission's Rules and Regulations are met at the Private Line service interface.

(2) Disconnecting service.

c. A charge equal to the Trouble Isolation Charge found in the Miscellaneous Equipment and Service Section of the General Exchange Tariff applies when:

(1) It is necessary to send a repair person to the premises where the test equipment is connected because a condition as set forth in Section 1.6.11, C.2.a, preceding, exists.

(2) A failure to comply with the procedures for Signal Power Control is disclosed.

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PRIVATE LINE SERVICE

1.7 Special Taxes, Fees and Charges

1.7.1 General

- A. There shall be added to the customer's bill or charge as a part of the rate for service, a surcharge, equal to the prorata share of any franchise, occupation, business, license, excise, privilege, or other similar tax, fee or charge (hereafter called "tax") now or hereafter imposed upon the Company by any taxing body or authority, whether by statute, ordinance, law or otherwise, and whether presently due or to hereafter become due.
- B. On and after the effective date thereof, any subsequent increase, decrease, imposition or determination of liability for such taxes, fees or charges, as described above, shall be applied in the manner provided below, to the customer's bill or charge on each individual billing date.
- C. When such tax or taxes are imposed in terms of a flat sum payment of money, the surcharges applicable to each customer's bill or charge, as the prorata share of such taxes described above, shall be determined by relating the flat sum payment to the total local exchange revenues within the jurisdiction of the taxing body; the fraction so described shall be converted to a percentage; the local exchange rate shall be increased by that percentage and applied to the customer's bill or charge so that the amount added, when accumulated from all customers residing in the geographic jurisdiction of the body, will equal the amount of the flat sum payment.

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PRIVATE LINE SERVICE

1.7 Special Taxes, Fees and Charges (Continued)

1.7.1 General (Continued)

- D. When such tax or taxes are imposed in terms of a percentage of revenues or gross receipts, the surcharge applicable to each customer's bill or charge as the prorata share of such taxes described above shall be determined by dividing the tax expressed as a percentage by 100% minus the tax expressed as a percentage and multiplying the decimal thus obtained by the customer's charges to which such tax applies.

$$\left( \frac{\text{Tax}\%}{100\% - \text{Tax}\%} \right) \times \text{Taxable Charges}$$

- E. The charge constituting the amount of the surcharge provided for herein shall be stated separately on each customer's bill.
- F. Where more than one tax, fee or charge is imposed by a taxing body or authority, the total of such surcharge applicable to a customer may be billed to the customer as single amount.

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PRIVATE LINE SERVICE

1.8 Method of Applying Rates

1.8.1 The Method of Applying Rates for IntraLATA Interexchange  
Private Line Service (1)

A. Local Channel

Two-Point

A local channel charge shall apply for the first channel termination, per service, involved on a customer premises. The following channel types have only one local channel: 414B, 414C, 415, 417A, 417B, 432.

Multipoint

In addition to applicable Private Line Service Charges, a bridging charge, per channel bridged, applies when three or more voice grade channels connect at the same location. Bridging charges do not apply to these channel types: 312(1), 415, 417A, 417B, 432.

- (1) Obsolete-applicable to existing installations at existing locations for existing customers (Series 300 Services).

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PRIVATE LINE SERVICE

1.8 Method of Applying Rates (Continued)

1.8.1 The Method of Applying Rates for IntraLATA Interexchange Private Line Service (1) (Continued)

B. Channel Terminals

Channel terminal charges apply at each termination of an intraLATA interexchange channel.

C. IntraLATA Interexchange Channel(2)

Two-Point

When the network interfaces of a Private Line Service are located in different exchanges all within the same LATA, interexchange mileage charges apply.

Each exchange has one primary serving office. Charges are based on the V-H distance between primary serving offices.

Interexchange mileage between a Company primary serving office and a point of connection with the service components of another telephone company where "other" charges may apply shall be the maximum V-H distance between the primary serving offices.

Multi-Point

Each channel connecting primary serving office is considered a separate channel for which mileage is independently computed. Mileage will be charged in a manner that results in the lowest possible total interexchange channel charges unless the customer requests special routing. Bridging charges, per channel bridging, apply when three or more voice grade channels connect at the same location. Bridging charges do not apply to Types 312(2), 415, 417A, 417B, 432.

- (1) Obsolete-applicable to existing service installations at existing locations for existing customers.
- (2) Fractional V-H miles are to be considered whole V-H miles.

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PRIVATE LINE SERVICE

1.8 Method of Applying Rates (Continued)

1.8.1 The Method of Applying Rates for IntraLATA Interexchange  
Private Line Service (1) (Continued)

D. Additional Point of Termination of a Local Channel in  
Different Buildings (Same Premises)(1)(2)

Charges, as provided in Section 2 of this Tariff, for extending a local channel beyond the network interface located on the customer's premises and terminating the channel at a station location in a different building on the same premises shall apply in lieu of additional local channel charges.

When all station locations of a single Private Line Service are located beyond the network interface in different buildings on the same premises, the charge for the channel between each pair of buildings, shall be the same as the charge for extending a local channel to a station location in different buildings on the same premises as specified in Section 2 of this Tariff.

E. Additional Point of Termination in the Same  
Building(1)(2)

Charges, as provided in Section 2 of this Tariff, for extending a local channel beyond the network interface located on the customer's premises and terminating the channel at a station location in the same building shall apply in lieu of additional local channel charges.

F. Same Building(1)(2)

When all station locations of a Private Line Service are located beyond the network interface and are in the same building, same building charges, as provided in Sections 2 of this Tariff apply.

- (1) Obsolete-applicable to existing installations at existing locations for existing customers.
- (2) The monthly rate for these services shown in Section 2 of this Tariff does not include maintenance and/or repair.

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PRIVATE LINE SERVICE

1.8 Method of Applying Rates (Continued)

1.8.1 The Method of Applying Rates for IntraLATA Interexchange Private Line Service (1) (Continued)

G. Exceptions

In those cases where one customer premises involved in an intraLATA interexchange private line service is located in a different Local Exchange Company's operating territory than the other premises location(s) associated with the service, the method of applying rates is as follows:

1. The service components for that portion of the intraLATA interexchange Private Line Service located wholly within each exchange, will be rated pursuant to that governing local exchange carrier's tariff.
2. The rate for the applicable intraLATA interexchange per mile mileage will be the rate in each Local Exchange Company's tariff. Each Local Exchange Company's charge for the per mile mileage element is based on the route mile ownership ratio multiplied by the Local Exchange Company's per mile rate for the airline (V-H) mileage between the primary serving office of each Local Exchange Company, consistent with the application described in each Local Exchange Company's Intrastate Access Tariff.

H. Bridging

Bridging charges, per channel bridged, apply when three or more voice grade channels connect at the same location. Bridging charges do not apply to Types 312(1), 415, 417A, 417B, 423.

I. Service Charges

A charge applies per point of termination installed or moved as provided in Section 2 of this Tariff. Those services with one local channel shall be billed as provided in Section 2, following. Private Line Service charges for Local Channel Types 312(1) and 415 do not apply for inside moves within the same building on the same premises.

- (1) Obsolete-applicable to existing installations at existing locations for existing customers.

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PRIVATE LINE SERVICE

1.8 Method of Applying Rates (Continued)

1.8.1 The Method of Applying Rates for IntraLATA Interexchange  
Private Line Service (1) (Continued)

J. Special Routing of Channels

The Private Line Services furnished under this Tariff are provided over such routes as the Company may elect.

Special routing is involved where, in order to comply with requirements specified by the customer, the Company furnishes the Private Line Service via serving offices and/or primary serving offices other than those through which the service would normally be routed.

Each channel connecting the serving office and/or primary serving office is considered a separate channel for which charges are independently computed as provided in Section 2 of this Tariff.

Special Routing will be provided only where suitable service components are available.

1.8.2 Determination of V-H Mileages

- A. Obtain the "V" and "H" coordinates for each primary serving office or serving offices.
- B. Obtain the difference between the "V" coordinates of the two primary serving office or serving offices. Obtain the difference between the "H" coordinates.

NOTE: The difference is always obtained by subtracting the smaller coordinate from the larger coordinate.

- C. Square each difference obtained in section 1.8.2,B., above.
- D. Add the squares of the "V" differences and the "H" difference obtained in Section 1.8.2, C., above.
- E. Divide the sum of the square obtained in Section 1.8.2, D., above by 10.
- F. Obtain the square root of the result obtained in Section 1.8.2, E., above. This is the rate distance in miles (fractional miles being rounded up to full miles).

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PRIVATE LINE SERVICE

1.9 Telecommunications Service Priority (TSP) Systems

Priority installation, restoration, changes and maintenance services shall be provided under Section 13.3.9 of the United Telephone Company of Missouri's Access Tariff P.S.C. MO-No.26.

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UNITED TELEPHONE COMPANY  
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PRIVATE LINE SERVICE

2.1 Services and Rates

2.1.1 In addition to the regulations set forth in Sections 1 and 2 of this Tariff applicable to Private Line Services, additional regulations are set forth throughout this Section.

2.1.2 Channels are classified by series and further classified within each series by type. The various series and types are described in terms of circuit characteristics and/or use.

2.1.3 The customer is responsible for the selection of the services, i.e., type of circuit signaling options, jacks and terminating interfaces required to meet his needs. The customer premises equipment, station apparatus and premises wiring must be compatible with the services provided by the Company. The Company has overall responsibility for the Private Line Service (up to the demarcation point on the customer premises at which the interface appears), including the selection of all local channels.

2.1.4 Local Exchange Service rates, rules and regulations apply for the local exchange portion of the total service when Private Line Services are used in connection with Local Exchange Service.

2.1.5 When the number of Private Line Services is such that cable service components are required, such cable service components may be provided specifically for the customer's use and not as a part of the Company's general distributing plant, at charges based upon cost, in lieu of tariff charges, where to do so will result in lower charges to the customer.(1)

2.1.6 The Network Interface for the connection of premises services consists of a standard registration jack or its equivalent and is provided as part of the Private Line Service.

- (1) Obsolete to existing service installations at existing locations for existing customers. For existing United States Military establishments, additional cable service components may be provided on a cost basis to meet the National Security and Emergency Preparedness needs of the Military.

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PRIVATE LINE SERVICE

2.2 Description of Services

2.2.1 Special Signaling Service-Series 100

- A. These channels are suitable for use with Two-Point or Multi-Point Service within the same LATA subject to the number of point limitations indicated for each type and are provided for use with customer-provided power and signaling equipment and other special signaling services.

It is expressly declared that metallic interoffice service components for this type of service are in continually decreasing supply, and the Company is not obligated to continue to make such additional service components available.

Those local channels used to provide a transmission path to connect with customer premises equipment at a premises are defined in terms of electrical interfaces. Interconnection protection criteria and regulations as described in Section 1.6 shall apply.

The type of local channel offered for termination at a premises for termination in customer premises equipment and systems is:

Type 102 - Transmission Characteristics in Section 2.2.1, C., following.

- B. Type 102 service is provided on an intraLATA interexchange two-point or multi-point (maximum of 26 points) basis.

Service is restricted to no more than three serving offices, including the serving office of the central station all within the same LATA.

- C. Transmission characteristics of Type 102 are as follows:

Type 102 service has a two-wire interface with two-wire service components suitable for low speed, unidirectional series operated signaling and may be implemented by either metallic channels or by other means at the Company's option. If provided by "other means", the transmission specifications are described in the Bell System Technical Reference for low-speed signaling channels.

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## PRIVATE LINE SERVICE

2.2 Description of Service (Continued)2.2.1 Special Signaling Service-Series 100 (Continued)

## D. Rates-IntraLATA Interexchange Type 102

		<u>Monthly Rate</u>	<u>Service Charge</u>	
1.	Local Channel, each, per first termination on a premises			
	Type 102.....PDAATDE	<b>\$23.99</b>	<b>\$270.00</b>	(1)
		<u>Monthly Rate</u>		
		<u>0 - 250 miles each mile</u>	<u>Each Mile over 250 Miles</u>	
2.	Interexchange Channel, per V-H mile or fraction thereof			
	Type 102.....MDAAA	<b>\$4.59</b>	<b>\$1.08</b>	(1)
3.	Interexchange Channel terminal, each (two required per interexchange channel)	<u>Monthly Rate</u>	<u>Service Charge</u>	
	Type 102.....PDAATTF	<b>\$44.28</b>	None	(1)

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## PRIVATE LINE SERVICE

2.2 Description of Service (Continued)2.2.1 Special Signaling Service-Series 100 (Continued)

## D. Rates-IntraLATA Interexchange Type 102 (Continued)

	<u>Monthly Rate</u>	<u>Service Charge</u>	
4. Each additional point of termination of a local channel, different building, same premises per 1/10 mile(1)(3)			
Type 102 First 1/10 mile...PDAATTC	<b>\$4.59</b>	<b>\$87.48 (2)</b>	(1)
Additional 1/10 mile .....PDAATTC(ADL)	<b>\$ .63</b>		(1)
5. Each additional point of termination of a local channel in the same building(1)(3)			
Type 102.....PDAATDF	<b>\$3.07</b>	<b>\$81.00 (2)</b>	(1)

- (1) Obsolete to existing service installations at existing locations for existing customers.
- (2) Charge applies per point of termination inside moved.
- (3) The monthly rate shown does not include maintenance and/or repair.

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PRIVATE LINE SERVICE

2.2 Description of Services (Continued)

2.2.2 Sub-Voice Grade Service-Series 200

- A. Sub-Voice Grade service provides, and is designed for, transmission of low speed data at rates up to 75 and up to 150 baud within certain technical specifications. These channels are furnished for half-duplex and duplex operations. The service is not suitable for the transmission of alternating current tones.
- B. The types of local channels and the transmission characteristics offered for termination at a premises for termination in customer premises equipment and systems are as follows:
  - 1. Type 250 - An interface engineered for binary signals at rates up to 75 baud, 20 ± 1 or 62.5 2.5 milliamperes neutral signals (1). The terminal equipment shall deliver no more than 8 percent telegraph distortion and shall be capable of processing received data signals with up to 35 percent telegraph distortion.
  - 2. Type 251 - E1A standard RS232C type interface engineered for binary signals at rates up to 150 baud and the terminal equipment shall deliver no more than 5 percent telegraph distortion and shall be capable of processing received data signals with up to 40 percent telegraph distortion.
  - 3. Type 250 and Type 251 channels are furnished for teletypewriter, data, supervisory control and miscellaneous signaling use.

- (1) The Company has the option of providing 20 or 62.5 milliamperes and will notify the customer of the current level to be supplied. The company will supply the line voltage and provide for the current adjustment. The maximum open circuit voltage across the send data leads at the interface will not exceed 270 volts.

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## PRIVATE LINE SERVICE

## 2.2 Description of Services (Continued)

2.2.2 Sub-Voice Grade Service-Series 200 (Continued)

- C. Parameters and specifications for sub-voice grade local channels used with customer premises equipment in Section 2.2.2.B, are as follows:

<u>BASIC PARAMETERS</u>	<u>SPECIFICATION OR LIMIT</u>
Channel Signals	Local channels used with customer premises equipment - as specified in Section 2.2.2, B. above. Note that the specifications of channel signals refer to the requirement of the total service offering and not the individual local channel.
Channel Distortion	Local channels used with customer premises equipment - as specified in Section 2.2.2, B. above. Note that the specifications for channel distortion refer to the requirement of the total service offering and not the individual local channel.
Power Requirement	<p>For up to 75 Baud Type - Where the Company provides transmission equipment at the interface. Customer must provide a source of continuous 117 volt, 60 Hz ac power by means of a nonswitched outlet.</p> <p>For up to 150 Baud - Customer must in all cases provide a source of continuous 117 volt, 60 Hz ac power, nonswitched outlet.</p>

The Company will in all cases supply all voltage and current adjustments to the local channel.

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## PRIVATE LINE SERVICE

2.2 Description of Services (Continued)2.2.2 Sub-Voice Grade Service-Series 200 (Continued)

		<u>HALF DUPLEX</u> Monthly Rate	<u>DUPLEX</u> Monthly Rate	<u>Service Charge</u>	
D. Rates IntraLATA-Interexchange					
1.	Local Channel, each, per first termination on a premises				
	Type 250 ..PDADTDE(250)	\$34.67	PDADTDS(250) \$60.45	\$324.00	(1)
	Type 251 ..PDADTDE(251)	\$64.40	PDADTDS(251) \$77.76	\$324.00	(1)
<u>Monthly Rate</u>					
		<u>0-250 miles each mile</u>	<u>Each Mile over 250 mile</u>		
2.	Interexchange Channel, each V-H mile or fraction there of				
	Type 250..... MDADA	\$2.57	\$1.27		(1)
	Type 251..... MDADA(251)	\$3.49	\$2.14		(1)
		<u>HALF DUPLEX Monthly Rate</u>	<u>DUPLEX Monthly Rate</u>		
3.	Interexchange Channel Terminal, per terminal (two required per interexchange channel)				
	Type 250..... PDADTTF(250)	\$52.48	PDADTDS(250) \$54.82		(1)
	Type 251..... PDADTTF(251)	\$49.21	PDADTDS(251) \$46.82		(1)

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## PRIVATE LINE SERVICE

2.2 Description of Services (Continued)2.2.2 Sub-Voice Grade Service-Series 200 (Continued)

## D. Rates IntraLATA-Interexchange (Continued)

	<u>HALF DUPLEX</u> Monthly Rate	<u>DUPLEX</u> Monthly Rate	<u>Service</u> <u>Charge</u>	
4. Each additional point of termination of a local channel, different building, same premises, per 1/10 mile (1)(2)(4) Type 250 First 1/10 mile.....PDADTTC	<b>\$24.01</b>	<b>\$24.01</b>	<b>\$140.40</b> (3)	(1)
Additional 1/10 mile	<b>\$ .69</b>	<b>\$ 1.39</b>	None	(1)
5. Each additional point of termination of a local channel in same building (1)(2)(4) Type .....250PDADTDF	<b>\$18.36</b>	<b>\$18.36</b>	<b>\$140.40</b> (3)	(1)

- (1) Maximum of three terminations on the same premises for Type 250 and no additional terminations for Type 251.  
 (2) Obsolete-applicable to existing service installations at existing locations for existing customers.  
 (3) Charge applies per point of termination inside moved.  
 (4) The monthly rate shown does not include maintenance and/or repair.

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PRIVATE LINE SERVICE

2.2 Description of Services (Continued)

2.2.3 Voice Grade Service-Series 300(1) and 400

A. Series 300 local channels for voice grade service are furnished for half duplex (voice or data use) and duplex (data use) operations for oral communications and data communications which operate within certain technical specifications. Unless expressly provided for elsewhere, these are the only channels provided for voice grade transmission. The various types of local channels which are offered for termination are provided on a customer premises as follows:

1. Type 311- Furnished for two point or multipoint voice transmission, Private Line voice or intercommunication line or supervisory control use. Signaling options required to arrange Type 311 for suitable signaling are provided in Section 2 of this Tariff. Limited to five (5) local channels on multipoint service where two-way communication is required.
2. Type 312 - furnished for off-premises main and extension stations associated with premises PBX (or similar) switching systems. Technical specifications are a two-wire interface with effective two-wire service components engineered for 1000 Hz net loss of VLN +4dB.
3. Type 314 - Furnished for tie line use between two premises PBX (or similar) switching systems (314A).

- (1) Obsolete-applicable to existing service installations at existing locations for existing customers.

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2.2 Description of Services (Continued)

2.2.3 Voice Grade Service-Series 300(1) and 400 (Continued)

A. (Continued)

4. Type 320 - Furnished for Type 311, multi-point voice service where more than five (5) local channels are involved and two-way communication is required.

Signaling options required to arrange Series 300 channels for suitable signaling are available at charges specified in Section 2.2.6, following. The application of signaling options currently provided to arrange Series 300 on premises, same building and additional point of termination services has been obsoleted to existing installations at existing locations for existing customers. Signaling charges do not apply to different buildings same premises PBX (or similar) stations.

Bridging charges, per channel bridged, apply when three or more voice grade channels connect at the same location. Bridging charges do not apply to Type 312.

- (1) Obsolete-applicable to existing service installations at existing locations for existing customers.

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2.2 Description of Services (Continued)

2.2.3 Voice Grade Service-Series 300(1) and 400 (Continued)

B. Series 400 local channels are furnished for use as the customer elects and operate within certain technical specifications. The various types and transmission characteristics of local channels which are offered for termination at a premises for connection to only customer premises equipment and systems (except as provided in Section 2.1.5) are as set forth following:

1. Type 414B - Furnished for tie line use, between a customer's premises PBX (or similar) switching system and a customer's Centrex arrangement when the switching system is located in a Company central office. E&M signaling is included in the local channel.
2. Type 414C - Furnished for tie line use, between two customers' Centrex arrangements when both switching systems are located in a Company central office.
3. Type 415 - Furnished for voice transmission in the same serving office as the primary service, off-premises extension (non-PBX) and off-premises Centrex (with switching equipment located on Company premises) station and/or extension station use. Also for telephone answering service use. In addition, Type 415 meets the following technical specifications:

A two-wire interface with effective two-wire facilities engineered for 1000 Hz net loss of 6dB, loop signaling is included in the local channel.

4. Type 417 - Furnished for voice transmission for telephone answering service for service between the concentrator located in the Company central office and the customer premises identifier (417A). Also furnished for service between the electronic concentrator and the traffic director (417B).

- (1) Obsolete-applicable to existing service installations at existing locations for existing customers.

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2.2 Description of Services (Continued)

2.2.3 Voice Grade Service-Series 300(1) and 400 (Continued)

B. (Continued)

5. Type 420 - A four-wire interface with four-wire service components engineered for 1000 Hz net loss of 16dB. Normally suitable for use as a full duplex data channel. (2)
  6. Type 422 - A two-wire interface with effective two-wire service components engineered for a 1000 Hz net loss of 16dB. Normally suitable for use as a half duplex data channel.(2)
  7. Type 423 - A two-wire interface with effective two-wire service components engineered for a 1000 Hz net loss of up to 10dB for two-point service and up to 20dB for multipoint service. Furnished for two-point or multipoint voice transmission, Private Line voice or intercommunication line or supervisory control use. Limited to five (5) local channels on multipoint service where two-way communication is required. (2)
  8. Type 424 - A two-wire or four-wire interface with effective four-wire service components engineered to VLN design specifications for tie line use. Normally suitable for use as a tie line between two premises PBX (or similar) switching systems.
  9. Type 425 - A four-wire interface with four wire service components engineered for a 1000 Hz net loss of 16dB. Normally suitable for use as a voice channel.
  10. Type 428 - A two-wire interface with effective two-wire service components engineered for a 1000 Hz net loss of VLBN +4dB. Normally suitable for use to provide an off-premises main or extension station of a premises PBX (or similar) switching system.
- (1) Obsolete-applicable to existing service installations at existing locations for existing customers.
- (2) Type 420 through Type 423 local channels are not suitable for, nor can they be used for, switching and/or tandem operations to the switched network or other private line services.

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2.2 Description of Services (Continued)

2.2.3 Voice Grade Service-Series 300(1) and 400 (Continued)

B. (Continued)

11. Type 432 - Furnished for half duplex data transmission for an Automatic Identified Outward Dialing (AIOD) data channel. For use between a premises PBX (or similar) switching system and a serving office.
12. Type 435 - A two-wire interface with four-wire service components engineered for a 1000 Hz net loss of 16dB. Normally suitable for use as a multipoint voice channel where more than five (5) local channels are involved and two-way communication is required.

- (1) Obsolete-applicable to existing service installations at existing locations for existing customers.

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2.2 Description of Services (Continued)

2.2.3 Voice Grade Service-Series 300(1) and 400 (Continued)

B. (Continued)

Signaling options required to arrange Series 400 channels for suitable signaling are available at charges specified in Section 2.2.6, following. The application of signaling options currently provided to arrange Series 400 on premises, same building and additional point of termination services has been obsoleted to existing installations at existing locations for existing customers.

Bridging charges, per channel bridged, apply when three or more voice grade channels are connected at the same location.

Customers must insure that neither direct transmitted signal nor reflected signal energy is allowed to violate interconnection protection criteria and regulations as set forth in Section 1.

Specifications of net loss (or gain) refer to the requirement of the total channel offering, not the individual local channel. Gains or losses present in customer premises equipment have not been included.

C. Parameters and Specifications

Parameters and specifications for two-point service used with customer premises equipment and station equipment are as follows: Speech application specifications and limits apply to all local channels except Types 420 and 422. Data application specifications and limits apply only to Types 420 and 422.

- (1) Obsolete-applicable to existing service installations at existing locations for existing customers.

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PRIVATE LINE SERVICE

2.2 Description of Services (Continued)

2.2.3 Voice Grade Service-Series 300(1) and 400 (Continued)

C. Parameters and Specifications (Continued)

BASIC PARAMETERS

SPECIFICATIONS OR LIMITS

Net Loss

Local channels used with customer-provided station equipment. Limit as specified in Standard Bell System Design Practices and/or Technical References. The specifications of net loss or gain refer to the requirements of the total channel service offering, not the individual local or interoffice channel. Losses or gains present in Customer Provided Equipment have not been included.

DC Resistance

Local channels used with customer-provided station equipment. Limit as specified in Standard Bell System Design Practices and/or Technical References does not imply or guarantee end-to-end DC continuity.

Frequency Error

± 5 Hz

Frequency Response

300-3000 Hz, -3dB to +12dB  
500-2500 Hz, -2dB to + 8dB  
("+ " means more loss and "- " means less loss)

Envelope Delay Distortion

For Speech Application, not controlled.

For Data Application, not less than 1000 microseconds, 1000-2400 Hz; less than 1750 microseconds, 800-2600 Hz.

- (1) Obsolete-applicable to existing service installations at existing locations for existing customers.

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PRIVATE LINE SERVICE

2.2 Description of Services (Continued)

2.2.3 Voice Grade Service-Series 300(1) and 400 (Continued)

C. Parameters and Specifications (Continued)

BASIC PARAMETERS

SPECIFICATIONS OR LIMITS

-13 dBmO 1000 Hz  
Test Signal to  
C-Notched Noise  
Ratio

For speech Application, 20 db.

For Data Application, 24 db.

Impulse Noise

For Speech Application, 90 counts in 15  
minutes at a threshold of 1 db below a -13  
dBmO rms 1000 Hz Test Signal,

For Data Application, 15 counts in 15 minutes  
at a threshold of 6 db below a -13 dBmO rms  
1000 Hz Test Signal.

Phase Jitter  
peak.

For Speech Application, 18 degrees peak to

For Data Application, 10 degrees peak to  
peak.

Non-Linear  
Distortion Signal to  
2nd Order Distortion

For Speech Application, 20 db.

For Data Application, 25 db.

Signal to 3rd  
Order Distortion

For Speech Application, 25 db.

For Data Application, 30 db.

- (1) Obsolete-applicable to existing service installations at existing  
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PRIVATE LINE SERVICE

2.2 Description of Services (Continued)

2.2.3 Voice Grade Service-Series 300(1) and 400 (Continued)

D. Multipoint

The Company will provide bridging equipment in serving offices and primary serving offices to provide multipoint service. Bridging charges apply per channel (interoffice channel, local channel and interexchange channel) in offices where three or more channels are bridged. Bridging charges do not apply to Types 312(1), 415, 417 and 428. See Section 2.2.3, E.8. for intraLATA interexchange bridging charges.

Standard bridging equipment for two-way communication between all points will be provided unless the customer specifies another fixed bridging arrangement.

The transmission parameters specified in Section 2.2.3, C., preceding, are not applicable to multipoint service consisting of more than five points where local channels with two-wire service components and two-way communication are involved or more than 20 points otherwise.

- (1) Obsolete-applicable to existing service installations at existing locations for existing customers.

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## PRIVATE LINE SERVICE

2.2 Description of Services (Continued)2.2.3 Voice Grade Service-Series 300(1) and 400 (Continued)

## E. Rates-IntraLATA Interexchange

		Monthly Rate	Service Charge	
1.	Local Channel, each, per first termination on a premises			
	Type 311 PDBATDE(311)	\$ 57.86	\$302.40	(1)
	Type 312 PDBRTDE(312)	\$ 80.65	\$291.60	
	Type 314A PDBATDE(314)	\$102.60	\$367.20	
	Type 320 PDBATDE(320)	\$ 87.48	\$291.60	
	Type 414B PDBSTDE(14B)	\$112.32	\$604.80	
	Type 414C PDBSTDE(14C)	\$ 76.16	\$475.20	
	Type 415 PDBSTDE(415)	\$ 52.77	\$216.00	
	Type 417A PDBSTDE(417)	\$114.64	\$442.80	
	Type 417B PDBSTDE(417)	\$114.64	\$442.80	
	Type 420 PDCBTZZ(420)	\$ 81.00	\$313.20	
	Type 422 PDCBTZZ(422)	\$ 81.00	\$313.20	
	Type 423 PDBJTZZ(423)	\$ 44.96	\$302.40	
	Type 424 PDBTTZZ(424)	\$ 81.00	\$367.20	
	Type 425 PDBTTZZ(425)	\$ 62.40	\$291.60	
	Type 428 PDBRTZZ(428)	\$ 59.77	\$291.60	
	Type 432 PDCBTZZ(432)	\$ 67.24	\$540.00	
	Type 435 PDBATDE(435)	\$ 81.00	\$270.00	

(1) Obsolete-applicable to existing service installations at existing locations for existing customers.

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## PRIVATE LINE SERVICE

2.2 Description of Services (Continued)2.2.3 Voice Grade Service-Series 300(1) and 400 (Continued)

## E. Rates-IntraLATA Interexchange (Continued)

		<u>Monthly Rate</u>	<u>Service Charge</u>	
2.	Interoffice Channel, each V-H mile, or fraction thereof, per channel MBPCA	\$8.80	None	(1)
3.	Interoffice Channel Terminal, per terminal (two required per interoffice channel) PBPCTAA	\$5.77	None	(1)
		<u>Monthly Rate</u> 0-250 miles      Each mile <u>each mile</u> <u>over 250 mile</u>		
4.	Interexchange Channel, each V-H mile, or fraction thereof      MDBAA	\$4.75	\$1.24	(1)
		<u>Monthly Rate</u>	<u>Service Charge</u>	
5.	Interexchange Channel Terminal, per terminal (two required per interexchange channel)			
	Type 311      PDBATTF	\$36.26	None	(1)
	Type 312      PDBATTF	\$36.26	None	
	Type 314A      PDBATTF	\$36.26	None	
	Type 320      PDBATTF	\$36.26	None	
	Type 414B      PDBATTF	\$36.26	None	
	Type 414C      PDBATTF	\$36.26	None	
	Type 417A      PDBATTF	\$36.26	None	
	Type 417B      PDBATTF	\$36.26	None	
	Type 420      PDBATTF	\$36.26	None	
	Type 422      PDBATTF	\$36.26	None	
	Type 423      PDBATTF	\$36.26	None	
	Type 424      PDBATTF	\$36.26	None	
	Type 425      PDBATTF	\$36.26	None	
	Type 428      PDBATTF	\$36.26	None	
	Type 432      PDBATTF(432)	\$38.28	None	
	Type 435      PDBATTF	\$36.26	None	(1)

(1) Obsolete- applicable to existing service installations at existing locations for existing customers.

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## PRIVATE LINE SERVICE

2.2 Description of Services (Continued)2.2.3 Voice Grade Service-Series 300(1) and 400 (Continued)

## E. Rates-IntraLATA Interexchange (Continued)

		First	<u>Monthly Rates</u>		
		<u>1/10 Mile</u>	<u>Each Add.</u>	<u>1/10 Mile</u>	<u>Service Charge</u>
6.	Each additional point of termination of a local channel in different building, same premises (1) (2) (4)				
	Type 311 PDBATTY(311)	\$ 5.23	\$ .69	\$ 64.80(3)	(1)
	Type 320 PDBATTY(312)	\$10.31	\$ 1.29	\$ 97.20(3)	
	Type 420 PDBATTY(420)	\$24.24	\$ 1.29	\$129.60(3)	
	Type 422 PDBATTY(422)	\$ 9.01	\$ .69	\$129.60(3)	
	Type 423 PDBATTY(423)	\$ 5.23	\$ .69	\$ 64.80(3)	
	Type 425 PDBATTY(425)	\$10.31	\$ 1.29	\$ 64.80(3)	
	Type 435 PDBATTY(435)	\$10.31	\$ 1.29	\$ 97.20(3)	(1)
7.	Each additional point of termination of a local channel in the same building (1)(2)(4)				
			<u>Monthly Rate</u>	<u>Service Charge</u>	
	Type 311 PDBATDF(311)	\$ 3.99	\$ 64.80(3)	(1)	
	Type 320 PDBATDF(320)	\$ 5.59	\$ 97.20(3)		
	Type 420 PDBATDF(420)	\$22.68	\$129.60(3)		
	Type 422 PDBATDF(422)	\$ 7.56	\$129.60(3)		
	Type 423 PDBATDF(423)	\$ 3.99	\$ 64.80(3)		
	Type 425 PDBATDF(425)	\$ 5.94	\$ 64.80(3)		
	Type 435 PDBATDF(435)	\$ 5.94	\$ 97.20(3)	(1)	

- (1) Obsolete to existing service installations at existing locations for existing customers.  
 (2) Additional points of termination do not apply for types 314A, 414B, 424 and 428.  
 (3) Charge applies per point of termination inside moved.  
 (4) The monthly rate shown does not include maintenance and/or repair.

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## PRIVATE LINE SERVICE

2.2 Description of Services (Continued)2.2.3 Voice Grade Service-Series 300(1) and 400 (Continued)

## E. Rates-IntraLATA Interexchange (Continued)

		Monthly Rate	Service Charge	
8.	Bridging Charge, (multipoint service), per bridged channel PDMSNBC	\$9.72	None	(1)

## F. Conditioning Options -Available for Types 414B, 414C, 420 and 422

The types and descriptions of the available conditioning options at rates and charges specified in 2.2.7, following, are as follows:

1. Type C - Conditioning provides assured transmission quality for frequency response and envelope delay distortion as specified below.

## a. Type C1(2) - for a two-point or multi-point channel:

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.  
(+ means more loss)

- (1) Obsolete-applicable to existing service installations at existing locations for existing customers.
- (2) Type C1 and C2 Channel Conditioning Service will be provided subject to these restrictions: with customer premises equipment, the conditioned channel is restricted to no more than five (5) points and/or 4000 miles on "two wire" service and no more than twenty (20) points and/or 4000 miles on "four-wire" circuits. These restrictions do not apply to one-way simultaneous transmission from a master service point to all other service points such as broadcast-type multi-point service.

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PRIVATE LINE SERVICE

2.2 Description of Services (Continued)

2.2.3 Voice Grade Service-Series 300(1) and 400

F. Conditioning Options - Available for Types 414B, 414C, 420  
and 422 (Continued)

1. (Continued)

b. Type C2(2) - For a two-point or multipoint  
channel:

The envelope delay distortion shall not exceed:  
Between 1000 and 2600 Hz, a maximum difference of  
500 microseconds  
Between 600 and 2600 Hz, a maximum difference of  
1500 microseconds  
Between 500 and 2800 Hz, a maximum difference of  
3000 microseconds

Frequency response shall not exceed:  
Between 500 and 2800 Hz, -1 dB to +3 dB.  
Between 300 and 3000 Hz, -2 dB to +6 dB.

- (1) Obsolete-applicable to existing service installations at existing locations for existing customers.
- (2) Type C1 and C2 Channel Conditioning Service will be provided subject to these restrictions: with customer premises equipment, the conditioned channel is restricted to no more than five (5) points and/or 4000 miles on "two wire" service and no more than twenty (20) points and/or 4000 miles on "four-wire" circuits. These restrictions do not apply to one-way simultaneous transmission from a master service point to all other service points such as broadcast-type multi-point service.

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2.2 Description of Services (Continued)

2.2.3 Voice Grade Service-Series 300(1) and 400 (Continued)

F. Conditioning Options - Available for Types 414B, 414C, 420  
and 422 (Continued)

1. (Continued)

c. Type C4 - for a two-point or three-point channel:

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.

Frequency response shall not exceed:  
Between 500 and 3000 Hz, -2 dB to +3 dB.  
Between 300 and 3200 Hz, -2 dB to +6 dB.  
(+ means more loss)

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

d. Type C5 - for a two-point channel:

The envelope delay distortion shall not exceed:  
Between 1000 and 2600 Hz, a maximum difference of  
100 microseconds.  
Between 600 and 2600 Hz, a maximum difference of  
300 microseconds.  
Between 500 and 2800 Hz, a maximum difference of  
600 microseconds.

Frequency response shall not exceed:  
Between 300 and 3000 Hz, -1.0 dB to +3.0 dB.  
Between 500 and 2800 Hz, -0.5 dB to +1.5 dB.  
(+means more loss)

(1) Obsolete-applicable to existing service installations at existing  
locations for existing customers.

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## PRIVATE LINE SERVICE

### 2.2 Description of Services (Continued)

#### 2.2.3 Voice Grade Service-Series 300(1) and 400 (Continued)

##### F. Conditioning Options - Available for Types 414B, 414C, 420 and 422 (Continued)

2. Type D1 - High performance data conditioning for a two-point channel not arranged for switching as specified following. (2)

Signal to C-Notched Noise Ratio	28 dB
Non-linear distortion:	
Signal to second order distortion	35 dB
Signal to third order distortion	40 dB

#### 2.2.4 Miscellaneous Charges

##### Restoration Priority Change Charge

Upon receipt of certification in conformance with the Federal Communications Commission's Rules and Regulations which specify the priority system for restoration of Private Line Service, the Company will change the priority designation of a Private Line Service. The restoration priority change charge applies when the customer requests a change in the restoration priority after the service has been established or after the service has been ordered, but prior to start of service. No change applies when the Restoration Priority certification is provided with the order to establish the service or when a Restoration Priority is discontinued.

	Service Charge	
- Per Private Line Service	<b>\$25.11</b>	(1)

- (1) Obsolete-applicable to existing service installations at existing locations for existing customers.
- (2) Available only where service components and conditions permit.

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PRIVATE LINE SERVICE

2.2 Description of Services (Continued)

2.2.5 Extension Service

In addition to the general regulations and definitions applicable to Private Line Service set forth in Sections 2 and 3 of this Tariff, the following regulations apply to Extension Service.

A. Voice Grade Service 300(1) and 400 Series Channels)

Extension service is that of furnishing service components for one or more service points for each authorized connection to a private line voice grade service equipped for communication among three or more service points at a time, and furnished to a branch or agency of the United States Government for the collection and dissemination of information relating to air traffic control activities and similar information of public interest in connection with supervision of the flight of aircraft along civil airways.

B. Sub-Voice Grade Service (200 Series Channels)

1. Extension service is that of furnishing service components to allow connection with a private line sub-voice grade service furnished to a branch or agency of the United States Government for the collection and dissemination of weather information or miscellaneous airways information pertaining to the supervision of flight of aircraft along civil airways.

2. Connection may be made as follows:

a. Receiving Only Service - for reception of weather and miscellaneous airways information transmitted over the Government service to which it is connected.

b. Sending and Receiving Service - for transmission of flight plans to and acknowledge of such plans from the Government service to which the connection is authorized.

(1) Obsolete-applicable to existing service installations at existing locations for existing customers.

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PRIVATE LINE SERVICE

2.2 Description of Services (Continued)

2.2.6 Signaling

A. Rules and Regulations

1. The Type A, B and C Loop Signaling Arrangement for station ports of a premises PBX (or similar) switching system and the E&M Signaling Arrangement for tie-lines are furnished for grandfathered and registered PBX's in accordance with Part 68 of the Federal Communications Commissions's Rules and Regulations.
2. For connections to registered PBX (or similar) equipment, customer must specify the equipment capability of their registered equipment.
3. Customers with grandfathered customer-provided PBX (or similar) equipment may, at their option:
  - a. Continue to provide their own off-premises station signaling capability and utilize only the type 428 channel.
  - b. Request that off-premises station capability be provided by the Company. Where this option is selected, the customer must specify his/her equipment signaling capability.
4. Based on information provided by the customer, the Company will furnish the appropriate signaling arrangement. Where the requested signaling arrangement is furnished and determined to be of a lesser signaling range than required, and the customer requests the Company to furnish another signaling arrangement, such request will be treated as a new request for service and appropriate non-recurring charges will apply.

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## PRIVATE LINE SERVICE

2.2 Description of Services (Continued)2.2.6 Signaling (Continued)B. Signaling Options

1. Signaling Options per point of termination for the capability to accommodate signaling on Private Line Service utilizing Type 311(1), 320(1), 420(1), 422(1), 423, 425, and 435 Local Channels.

	<u>Monthly Rate</u>	<u>Service Charge</u>
IntraLATA Interexchange Automatic (2).....DRMAAAA	\$27.90	\$65.00

2. Signaling Options per point of termination for the capability to accommodate signaling on Private Line Service utilizing Type 400 local channels are indicated below.

	<u>Monthly Rate</u>	<u>Service Charge</u>
IntraLATA Interexchange Arranged for E&M Type signaling		
Type 420(1).....PDBASVB(420)	\$20.25	\$65.00
Type 422(1).....PDCBSVB(422)	\$20.25	\$65.00
Type 423(1).....PDBASVB(423)	\$21.30	\$65.00
Type 424.....PDBSSBV(424)	\$21.60	\$65.00(3)
Type 425(1).....PDBSSBV(425)	\$21.60	\$65.00
Type 428(1).....PDBRSGN	\$21.60	\$65.00

- (1) Obsolete-applicable to existing service installations at existing locations for existing customers.
- (2) Automatic signaling is not available for multipoint private line local channels. Any other existing applications should be considered obsolete, applicable to existing service installations at existing locations for existing customers.
- (3) Service charge applies only if the signaling option is installed subsequent to initial installation of the local channel.

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## PRIVATE LINE SERVICE

2.2 Description of Services (Continued)2.2.7 Channel Conditioning Charges

	<u>Monthly Rate</u>	<u>Service Charge</u>
A. Type C1		
Two point not arranged for switching, per service point..... PDCKCCA	\$9.40	\$80.00
Multi-point channel,per service point.....PDCBCCA	\$18.80	\$80.00
B. Type C2		
Two point not arranged for switching, per service point.....PDCKCCB	\$37.70	\$80.00
C. Type D1		
Two-point not arranged for switching, per service point.....PDCKCCF	\$11.35	\$80.00

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PRIVATE LINE SERVICE

3.1 Foreign Exchange Service

3.1.1 Scope

- A. This Section sets forth regulations and related charges for Foreign Exchange (FX) Service furnished by the Company. (These are in addition to other applicable rules, regulations and charges as set forth in other sections of this Tariff.) The regulations of the connecting company apply to the portion of the FX Service which it furnishes at "other line" charges.
- B. FX Service is defined as the furnishing of facilities for telecommunications between two or more designated points, furnished by means of a circuit connecting a customer's service point to a primary serving office of another exchange, all of which are within the same Local Access and Transport Area (LATA). This service is provided based upon the availability of necessary facilities.
- C. The Company does not undertake to transmit messages, but offers the use of its service components, where available, to customers for such purposes.

3.1.2 Limitations

- A. FX Service is provided only by means of facilities which are not needed by the Company in the furnishing of both Local Exchange Service and Message Telecommunications Service. The use and restoration of FX service shall be in accordance with Part 64, Subpart D, Appendix A of the Federal Communications Commission's Rules and Regulations, which specifies the priority system for users of such services.
- B. Subject to compliance with rules and regulations of Sections 1 and 2 preceding and 3.1.2 A., the Company may refuse to furnish new or additional FX service and may suspend, in whole or in part, the furnishing of existing service whenever such facilities are needed in the furnishing of Local Exchange Service and Message Telecommunications Service. No liability whatsoever shall attach to the Company in such cases where the Company refuses to furnish new or additional FX service. The only liability of the Company shall be an abatement of the charge for such service for the period of interruption.
- C. FX service will be limited to business and residence individual line service, Key System trunks, or PBX/PABX trunks, when facilities and equipment for its provision are available.

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PRIVATE LINE SERVICE

3.1 Foreign Exchange Service (Continued)

3.1.3 Description of Service

- A. This service is furnished to a maximum of two exchanges (in addition to the exchange in which the Local Exchange Service is furnished). Service connection is provided from one exchange only. The Company will only provide this service when both service points (the open end and the closed end) are within the same LATA.
- B. Service is furnished on the condition that additional costs to the Company may be necessary to provide a type of signaling suitable for operation with the exchange from which service is furnished, or to provide, at the customer's request, a type of signaling other than the Company would elect to furnish. In such cases, additional charges shall apply.
- C. Off-premises extensions are provided only where service components and conditions permit. Local Channel Type 415 from Section 2 of this tariff will apply for off-premises extensions.
- D. Customers, for the local exchange portions of the service, are subject to the Local Exchange Service charges, rules and regulations; and for the FX portion of the service, are subject to FX charges, rules and regulations in this Tariff.

Customers to FX service are required to take service of the local exchange from which service would normally be rendered.

- E. Calls beyond the local calling area of the serving exchange, the exchange from which the foreign dial tone is provided, will not be permitted. Local calling area is considered to be the main stations served by the serving exchange, plus any extended area service which may be provided from the serving company.

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## PRIVATE LINE SERVICE

3.1 Foreign Exchange Service3.1.4 Rates

- A. The charge for FX Service is the established monthly service rate, and applicable non-recurring service connection charges of the serving exchange, for the grade of service (individual line business or residence, Key System trunks, or PBX/PABX trunks) with which the FX service is to be associated.
- B. The rate for interexchange mileage is set forth in Sections 1.8.1, G. and 1.8.2 preceding.
- C. The rates and charges for FX service are as follows:

	<u>Monthly Rate</u>	<u>Service Charge</u>	
1. Interexchange Channel Terminal, per terminal (two required per interexchange channel).....PDBETTF	\$29.90	None	(1)
2. Point of Termination in one foreign exchange (1) between exchanges,			
0-20 miles apart.....PDMSPTC	\$61.10	\$410.00	
Over 20 miles apart.....PDMSPTC(20)	\$70.70	\$410.00	
3. Interexchange Channel Mileage, each V-H mile, or fraction thereof,			
0-250 miles, each mile .....MDBEA	\$ 4.10	None	
Each additional mile over 250	\$ 1.05	None	
4. Off-premises extensions, local channel (Type 415), per termination.....PDBSTDE(415)	\$38.90	\$200.00	

- (1) In addition, Private Line Charges as set forth in this Tariff apply between the local central office of the customer premises and the serving exchange from which service is provided. Local channel charges do not apply to the main stations but do apply to Centrex main stations and extensions.

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PRIVATE LINE SERVICE

6.1 Link Services

6.1.1 General

- A. Digilink®, Translink®, and Lightlink<sup>SM</sup> Services are furnished for Private Line IntraLATA Intraexchange and Interexchange communications by the Telephone Company.
- B. Digilink, Translink, and Lightlink Services are for the transmission of digital signals and uses digital transmission facilities.
- C. Digilink Service provides for the simultaneous two-way transmission of synchronous digital signals at speeds of 19.2 Kbps, 56.0 Kbps, and 64.0 Kbps, where facilities exist.  
  
Translink Service provides for the simultaneous two-way transmission of isochronous digital signals at speeds of 128 Kbps, 256 Kbps, 384 Kbps, 512 Kbps, and 1.544 Mbps (DS1), where facilities exist.  
  
Lightlink Service provides for the simultaneous two-way transmission of isochronous digital signals at a speed of 44.736 Mbps (DS3), where facilities exist.
- D. To ensure satisfactory operation, the terminal equipment provided by the customer must be compatible with the Digilink, Translink, and Lightlink Service channel facility provided by the Telephone Company.
- E. Unless specified following, the regulations for Digilink, Translink, and Lightlink Services specified herein apply in addition to the regulations set forth in other sections of this tariff.
- F. The rates specified for Digilink, Translink, and Lightlink Services in 6.1.7 following contemplate the provision of a digital quality facility utilizing existing interoffice carrier equipment and/or exchange cable facilities compatible with this service. If equipment, new facilities or changes to existing facilities are required for the provision of this service, then charges as specified in Section 8 of the P.S.C. MO. No. 22 General Exchange Tariff, Construction and Installation Charges will apply in addition to the rates for Digilink, Translink, and Lightlink Services.
- G. Temporary Suspension of Service (Vacation Service) as defined in Section 24 of the P.S.C. MO. No. 22 General Exchange Tariff, is not allowed.
- H. The minimum period for which Digilink and Translink Services are furnished and for which charges are applicable is six (6) months. The minimum period for Lightlink Service is twelve (12) months.

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PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)

6.1.2 Regulations

A. Description of Service

1. Digilink® Service is furnished for the simultaneous two-way transmission of digital signals at synchronous rates of 19.2 Kbps, 56.0 Kbps, and 64.0 Kbps between two or more points located within a LATA. Digilink is furnished for duplex operation only. The required format and interface specifications are contained in Technical Reference Publications TR-NWT-000341 and MDP-326-726.
2. Translink® Service provides a high capacity channel for the transmission of 1.544 Mbps isochronous serial data having a line code of Bipolar Return-to-Zero (BPRZ). Translink Service is provided between two points located within a LATA. The required format and interface specifications are contained in Technical Reference Publications GR-54 and GR-342.
3. Fractional DS1 channels are also available and provide simultaneous, two-way transmission at contiguous bit rates of 128, 256, 384 and 512 Kbps. Fractional DS1 Channels operate over the combined bandwidth of adjacent channels to create a contiguous bit rate. Due to technical limitations associated with the provision of Fractional DS1 Channels, this service will be offered only in end offices where a compatible channel bank exists and the distance between the central office and the customer designated premises is less than or equal to twelve thousand (12,000) feet.

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PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)

6.1.2 Regulations (Cont'd)

A. Description of Service (Cont'd)

4. Lightlink<sup>SM</sup> Service provides a high capacity channel for the transmission of 44.736 Mbps isochronous serial data having a line code of bipolar three zero substitution (B3ZS). Lightlink Service is provided between two points located within a LATA. Lightlink Service is available utilizing an electrical interface. The interface will have the characteristics of its respective signal at the point of demarcation. The required format and interface specifications are contained in Technical Reference Publication 62508 and 62411, and the associated Addendum TR-INS-000342 and TR-NPL-000054.
5. A Channel Service Unit (CSU) or appropriate termination equipment provided by the customer is required at a customer's or authorized user's premises to perform such functions as:
  - proper termination of the service
  - amplification
  - signal shaping
  - remote loop-back
6. The design, maintenance and operation of Digilink®, Translink®, and Lightlink Services contemplate communications originating and terminating as, (1) a customer premises to customer premises channel via the Telephone Company's Serving Wire Center and/or through remote Serving Wire Centers; (2) a customer premises to the Serving Wire Center and/or remote Serving Wire Centers - partial channel (link); or (3) a central office to central office (interoffice) partial channel (link).

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## PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)6.1.2 Regulations (Cont'd)

## A. Description of Service (Cont'd)

## 7. Service Configurations

There are two types of service configurations over which Link Services are provided: two-point service and multipoint service. Multipoint service is available with Digilink® Service and involves applications requiring three or more locations. Multipoint service is not available with Translink® Service or Lightlink<sup>SM</sup> Service.

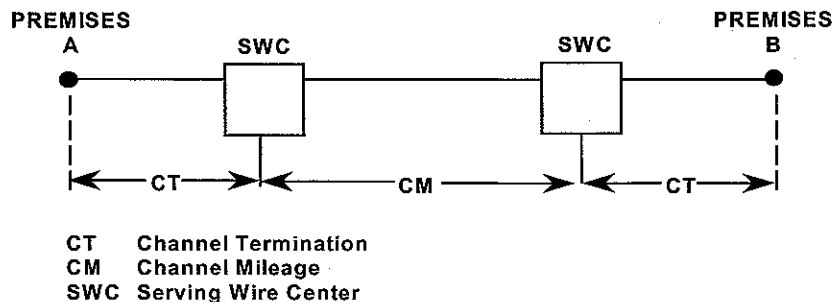
## (a) Two-Point Service

A two-point service connects two customer designated premises, either on a directly connected basis or through a hub where multiplexing functions are performed or a customer designated premises.

Applicable rate elements are:

- Channel Terminations
- Channel Mileage (as applicable)
- Optional Features and Functions (when applicable)

The following diagram depicts a two-point service connecting two customer designated premises located 15 miles apart.



Applicable rate elements are:

- Channel Terminations (2 applicable)
- Channel Mileage (1 Termination and 15 Facility)

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PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)

6.1.2 Regulations (Cont'd)

A. Description of Service (Cont'd)

7. Service Configurations (Cont'd)

(b) Multipoint Service

Multipoint service connects three or more customer designated premises through a Telephone Company hub. There is no limitation on the number of mid-links available with multipoint service. However, when more than three mid-links are provided in tandem, the quality of the service may be degraded. A mid-link is a channel between hubs (i.e., bridging locations).

Applicable rate elements are:

- Channel Terminations (one per customer designated premises)
- Channel Mileage (as applicable between each designated customer premises and the hub, and between hubs)
- Additional Optional Features and Functions (when applicable)

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## PRIVATE LINE SERVICE

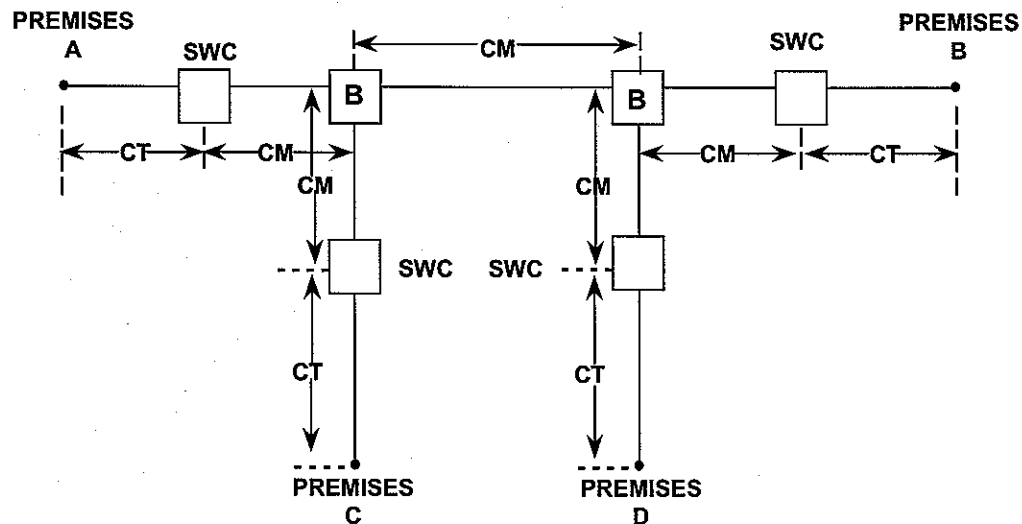
6.1 Link Services (Cont'd)6.1.2 Regulations (Cont'd)

## A. Description of Service (Cont'd)

## 7. Service Configurations (Cont'd)

## (b) Multipoint Service (Cont'd)

The following diagram depicts a service connecting four customer premises via two customer specified bridging hubs.



CT - Channel Termination  
 CM - Channel Mileage  
 B - Bridging  
 SWC - Serving Wire Center

Applicable rate elements are:

- Channel Terminations (4 applicable)
- Channel Mileage (5 sections, Termination and Facility as appropriate)
- Bridging (6 applicable, i.e., each bridge port)

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PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)

6.1.2 Regulations (Cont'd)

B. Definitions

1. Central Office Bridging Capability - Provides for the parallel connection of one virtual circuit to another virtual circuit without interrupting the integrity or continuity of the first. This service is only available from a Telephone Company-designated digital hub.
2. Channel Mileage - Provides for the end office equipment and the transmission channel between the Serving Wire Centers associated with two customer designated premises, between a Serving Wire Center associated with a customer designated premises and a Telephone Company hub, or between two Telephone Company hubs. Channel Mileage is comprised of Channel Mileage Facility (per mile) and Channel Mileage Termination (fixed) rates.
  - (a) Channel Mileage Facility (Per Mile) - The Channel Mileage Facility (per mile) recovers the cost for the transmission path that extends between the Telephone Company Serving Wire Centers and/or hub(s) and includes primarily outside plant used to provide the facility.
  - (b) Channel Mileage Termination (Fixed) - Channel Mileage Termination (fixed) recovers the cost for end office equipment associated with terminating the facility (i.e., basic circuit equipment and terminations at Serving Wire Centers).
3. Channel Service Unit (CSU) - Denotes equipment provided by the customer which performs one or more of the following functions: termination of a digital facility, regeneration of digital signals, detection and/or correction of signal format errors and remote loop back.
4. Channel Termination - The local facility from the customer's designated premises to the Serving Wire Center.
5. Data Amplification - Provides for data transmission when the customer is located beyond the normal range for high speed digital data service. Channel Terminations greater than five (5) cable route miles in length for 19.2 Kbps service or three (3) miles in length for 56 Kbps and 64 Kbps service may require circuit repeaters and associated equipment be installed to regenerate the digital signal in order for accurate and acceptable data transmission to occur. The distances given are an indication of the potential requirement for Data Amplification. The actual distance is dependent on decibel (db) loss and not just physical loop length and is a function of the specific Telephone Company cable between the Serving Wire Center and the customer's location.

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6.1 Link Services (Cont'd)

6.1.2 Regulations (Cont'd)

B. Definitions (Cont'd)

6. Clear Channel Capability (CCC) - Denotes the transport of twenty-four, 64 Kbps channels over a 1.544 Mbps Translink® Service via B8ZS line code format.
7. Customer Designated Premises - Denotes the premises specified by the customer for the provision of Link Services.
8. DS3 - 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 has a 44.736 Mbps transmission data rate, and provides for the two-way simultaneous transmission of randomized Non-Return-to-Zero (NRZ) signals with B3ZS format.
9. Hub - A Telephone Company designated Serving Wire Center at which bridging or multiplexing functions are performed. The bridging functions performed may be used to connect three or more customer designated premises in a multipoint arrangement. The multiplexing functions are to channelize digital facilities to individual services requiring a lower capacity or bandwidth.
10. Multipoint Service - Connects three or more customer designated premises through a Telephone Company hub. There is no limitation on the number of mid-links available with multipoint service. However, when more than three mid-links are provided in tandem, the quality of the service may be degraded. A mid-link is a channel between hubs (i.e., bridging locations).
11. Nonrecurring Charge - A one-time charge for the initial installation, the installation of functions and features and service rearrangements.
12. Serving Wire Center - Denotes the wire center from which the customer designated premises would normally obtain dial tone from the Telephone Company.
13. Two-Point Service - Connects two customer designated premises, either on a directly connected basis or through a hub where multiplexing functions are performed or a customer designated premises.

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PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)

6.1.2 Regulations (Cont'd)

C. Connections

1. Customer-Provided Terminal Equipment, Customer-Provided Derivation Equipment and Customer-Provided Communications Systems may be connected to Digilink®, Translink® and Lightlink<sup>SM</sup> Services when such connection is made in accordance with the provisions specified in 2, 3 and 4 following.
2. Responsibility of the Telephone Company
  - (a) The responsibility of the Telephone Company shall be limited to the furnishing and maintenance of Digilink, Translink and Lightlink Services to a network interface on the customer's premises where provision is made for the connection of local service.
  - (b) The Telephone Company shall not be responsible for installation, operation or maintenance of any terminal equipment or communications systems provided by the customer. Digilink, Translink and Lightlink Services are not represented as adapted for the use of such equipment or system. Where such equipment or system is connected to Telephone Company facilities, the responsibility of the Telephone Company shall be limited to the furnishing of facilities suitable for Digilink, Translink and Lightlink Services and to the maintenance and operation in a manner proper for such digital service. The Telephone Company shall not be responsible for:
    - The through transmission of signals generated by such equipment or system, or for the quality of, or defects in, such transmission, or
    - The reception of signals by such equipment or systems, or
    - Damage to terminal equipment or communications systems provided by a customer or authorized user due to testing.
  - (c) The Telephone Company shall not be responsible to the customer if changes in any of the facilities, operations or procedures of the Telephone Company utilized in the provision of Digilink, Translink and Lightlink Services render any facilities or equipment provided by a customer obsolete, or require modification or alteration of such equipment or system or otherwise affects its use or performance.

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PRIVATE LINE SERVICE

6.1. Link Services (Cont'd)

6.1.2 Regulations (Cont'd)

C. Connections (Cont'd)

2. Responsibility of the Telephone Company (Cont'd)

(d) The Telephone Company is responsible for maintaining and repairing the facilities it furnishes. The customer may not rearrange, disconnect, remove or attempt to repair any equipment installed by the Telephone Company without prior written consent of the Telephone Company.

(e) Digilink®, Translink® and Lightlink<sup>SM</sup> Services are designed to meet or exceed a performance objective of 99% error-free seconds of transmission per 1000 seconds on a daily basis and 99.9% availability on an annual basis when measured through the digital termination equipment.

(f) In order to maintain the quality of Digilink, Translink and Lightlink Services, the Telephone Company reserves the right to perform preventative maintenance and software updates to the network. The Telephone Company has classified maintenance as follows:

(i) Scheduled Maintenance

Scheduled maintenance is performed for functions such as hardware and software upgrades and network optimization. The Telephone Company will perform these tasks in a maintenance window that is anticipated to minimize disruption of customer service and activity. The Telephone Company will provide advance notice of all scheduled maintenance.

(ii) Demand Maintenance

Demand maintenance may occur as a result of unexpected events and is performed when Digilink, Translink and Lightlink Services network elements are in jeopardy. The Telephone Company will perform this type of maintenance at its discretion. Due to the nature of demand maintenance, prior notification may not be possible; however, the customer will be informed when the maintenance has been completed.

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PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)

6.1.2 Regulations (Cont'd)

C. Connections (Cont'd)

3. Responsibility of the Customer

- (a) The customer is responsible for installing and testing the customer premises equipment or facilities to insure that when they are connected to Digilink®, Translink® and Lightlink<sup>SM</sup> Services such equipment or facilities are operating properly.
- (b) The operating characteristics of the customer premises equipment or facilities shall be such as to not interfere with any of the services offered by the Telephone Company. Such use is subject to the further provisions that the equipment provided by a customer does not: endanger the safety of Telephone Company employees or the public; damage, require change in or alteration of the equipment or other facilities of the Telephone Company; interfere with the proper functioning of such equipment or facilities; impair the operation of the Telephone Company's facilities or otherwise injure the public in its use of the Telephone Company's services. Upon notice that the equipment provided by a customer is causing or is likely to cause such hazard or interference, the customer shall take such steps as shall be necessary to remove or prevent such hazard or interference.
- (c) The customer's responsibility shall include cooperative testing with the Telephone Company as may be necessary. Where regeneration and/or equalization adjustments or changes may be required to compensate for rearrangements and/or changes in outside plant facilities, the customer will be responsible for all expenses incurred in changes to his customer premises equipment.

4. Connection of Customer-Provided Terminal Equipment, Customer-Provided Derivation Equipment and Customer-Provided Communications Systems

- (a) The following provisions will apply:
  - (i) Customer-Provided Terminal Equipment and/or Customer-Provided Communications Systems may be connected at the premises of the customer to Digilink, Translink and Lightlink Services.

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PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)

6.1.2 Regulations (Cont'd)

C. Connections (Cont'd)

4. Connection of Customer-Provided ... (Cont'd)

(a) The following provisions will apply: (Cont'd)

(ii) The customers, by use of their own derivation equipment, may create digital bit streams from Digilink®, Translink® and Lightlink<sup>SM</sup> Services and such equipment may be connected for transmission of such bit streams when connected through a customer-provided CSU.

(iii) The undertaking of the Telephone Company is to furnish Digilink, Translink and Lightlink Services as ordered and specified by the customer except as specified in (d) following.

(b) Connections to Other Services Furnished by the Company to the Same Customer

Digilink, Translink and Lightlink Services furnished by the Telephone Company may be connected by the customer to another service or to other services furnished by the Telephone Company as specified in 2 preceding. Connected services are subject to all rules and regulations governing the provisioning of those services.

(c) Connections to Other Services Furnished by the Telephone Company to Different Customers

The customer may connect at the premises of the customer, to another Digilink, Translink and Lightlink Service or other services furnished by the Telephone Company to different customers as specified in 2 preceding. Connected services are subject to all rules and regulations governing provisioning of those services.

(d) Connection of Channel Service Units

A Channel Service Unit (CSU) or appropriate termination equipment must be provided by the customer to connect a Telephone Company-provided digital facility. This equipment must comply with the technical requirements outlined in Part 68 of the FCC Rules and Regulations.

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6.1 Link Services (Cont'd)

6.1.2 Regulations (Cont'd)

C. Connections (Cont'd)

4. Connection of Customer-Provided ... (Cont'd)

- (e) The customer shall be responsible for payment of a Maintenance of Service Charge, as set forth in Section 7 of the P.S.C. MO. No. 22 General Exchange Tariff, for visits by the Telephone Company to the customer's premises where the service difficulty or trouble report results from the use of equipment or facilities provided by the customer.
- (f) The customer may not rearrange, disconnect, remove or attempt to repair any equipment installed by the Telephone Company without the prior written consent of the Telephone Company.
- (g) For maintenance purposes, upon request of the Telephone Company, the customer will be responsible for notifying the Telephone Company of the type of digital terminating equipment used.

6.1.3 Term Discount Plan (TDP)

- A. A Term Discount Plan (TDP) provides the customer with discounted rates for Digilink®, Translink® and Lightlink<sup>SM</sup> Services. Digilink, Translink and Lightlink Service may be ordered under a TDP for fixed periods of 12 - 23 months, 24 - 35 months, 36 - 59 months, and 60 - 84 months. For Lightlink Service, month-to-month rates may apply only after the expiration of a TDP. All rate elements within the same Digilink, Translink and Lightlink Service facilities must be ordered under the same commitment period and under the same service date. The customer must order the TDP in writing to the Company. A TDP may be ordered in one-month increments, (e.g. a 28-month commitment period or a 37-month commitment period).
- B. The customer must specify the length of the initial service period at the time the service is ordered. When a customer converts to a TDP, Nonrecurring Charges do not apply toward facilities in-service at that time. If a customer converts from month-to-month rates to a TDP or upgrades from one TDP to another, Nonrecurring Charges and Service Connection Charges do not apply.
- C. At the end of the TDP the customer may subscribe to a new TDP at the prevailing rates set forth in 6.1.7 following. If the customer does not select a new TDP, the rates will convert to the prevailing month-to-month rates.
- D. Rate increases or decreases will automatically be applied to the monthly term plan rates for the remaining term of the TDP. If Telephone Company initiated rate increases to any rate element or combination of rate elements causes the charges for the entire Digilink, Translink or Lightlink Service under the TDP to increase by 10% or more annually, then the customer may cancel the TDP without incurring termination liability charges provided the customer notifies the Telephone Company within 30 days after the effective date of the rate increase.

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6.1 Link Services (Cont'd)

6.1.3 Term Discount Plan (TDP) (Cont'd)

- E. The customer can extend TDP commitment periods at any time during the term of the plan, up to a maximum of 84 months. The number of remaining months in the original term plan will become part of the total term in the new term plan.

6.1.4 Termination Liability Charges

- A. If a customer under a Term Discount Plan (TDP) disconnects all or a portion of Digilink®, Translink® or Lightlink<sup>SM</sup> Service prior to the expiration of the TDP, then a Termination Liability Charge will apply to those services that are disconnected. The Termination Liability Charge will be a one-time charge equal to sum of 50% of the payments remaining for the rest of the TDP.
- B. Customers may move Channel Terminations and not be subject to Termination Liability Charges providing the terms of the TDP are maintained. If charges as specified in 6.1.1.F. were applied to the service being terminated or moved, any termination or move charges associated with that construction apply, as well as any construction charges at the new location.
- C. Termination Liability Charges will not apply when a service or rate element under a TDP is disconnected prior to the expiration of a selected service period as a result of a change in tariff jurisdiction and/or a customer requested upgrade to a next generation service offering, under the following conditions:
  - 1. The service period of the new TDP for the new service offering is a period equal to or exceeding the remaining service period of the disconnected TDP, and
  - 2. The service orders to install the new service and disconnect the old service are related together, and there is no lapse in service between the installation of the new service and the disconnection of the old service, and
  - 3. The service orders to install the new service and disconnect the old service are for the same customer at the same location.
- D. The Telephone Company will determine whether the replacement service qualifies as a next generation service offering.
- E. Nonrecurring charges and Service Connection Charges for the new service will apply according to the requirements of the new service.

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PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)

6.1.5 Rate Categories

A. Digilink® Service

There are two rate categories which apply to Digilink® Service:

- Channel Termination
- Channel Mileage

1. Channel Termination

The Channel Termination rate category provides for the communications path between a customer designated premises and the Serving Wire Center. Included as part of the Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the service is to be connected at the point of termination (POT) and the type of signaling capability if any. The signaling capability itself is provided as a part of this rate category. One Channel Termination charge applies per customer designated premises at which the channel is terminated. Channel Termination charges are set forth in 6.1.7.A.

2. Channel Mileage

The Channel Mileage rate category provides for the end office equipment and the transmission channel between the Serving Wire Centers associated with two customer designated premises; between a Serving Wire Center associated with a customer designated premises and a Telephone Company hub, or between two Company hubs. Channel Mileage rates are made up of the Channel Mileage Facility (per mile) rate and the Channel Mileage Termination (fixed) rate. Channel Mileage charges are set forth in 6.1.7.B.

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PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)

6.1.5 Rate Categories (Cont'd)

A. Digilink® Service (Cont'd)

2. Channel Mileage (Cont'd)

(a) Channel Mileage Facility (Per Mile)

The Channel Mileage Facility (per mile) rate recovers the cost for the transmission path, which extends between the Telephone Company Serving Wire Centers and/or hub(s) and includes primarily outside plant used to provide the facility.

(b) Channel Mileage Termination (Fixed)

The Channel Mileage Termination (fixed) rate recovers the cost for end office equipment associated with terminating the facility (i.e., basic circuit equipment and terminations at Serving Wire Centers). The Telephone Company applies a 50% billing percentage to the channel mileage fixed rate on jointly owned circuits, and applies 100% on wholly owned circuits. When the Channel Mileage Facility (per mile) is zero (i.e., collocated Serving Wire Centers), neither the Channel Mileage Facility (per mile) rate nor the Channel Mileage Termination (fixed) rate will apply.

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PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)

6.1.5 Rate Categories (Cont'd)

B. Translink® Service

There are two rate categories which apply to Translink® Service:

- Channel Termination
- Channel Mileage

1. Channel Termination

The Channel Termination rate category provides for the communications path between a customer designated premises and the Serving Wire Center. Included as part of the Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the service is to be connected at the point of termination (POT) and the type of signaling capability if any. The signaling capability itself is provided as a part of this rate category. One Channel Termination charge applies per customer designated premises at which the channel is terminated. Channel Termination charges are set forth in 6.1.7.A.

2. Channel Mileage

The Channel Mileage rate category provides for the end office equipment and the transmission channel between the Serving Wire Centers associated with two customer designated premises, between a Serving Wire Center associated with a customer designated premises and a Company hub, or between two Telephone Company hubs. Channel Mileage rates are made up of the Channel Mileage Facility (per mile) rate and the Channel Mileage Termination (fixed) rate. Channel Mileage charges are set forth in 6.1.7.B.

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PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)

6.1.5 Rate Categories (Cont'd)

B. Translink® Service (Cont'd)

2. Channel Mileage (Cont'd)

(a) Channel Mileage Facility (Per Mile)

The Channel Mileage Facility (per mile) rate recovers the cost for the transmission path, which extends between the Telephone Company Serving Wire Centers and/or hub(s) includes primarily outside plant used to provide the facility.

(b) Channel Mileage Termination (Fixed)

The Channel Mileage Termination (fixed) rate recovers the cost for end office equipment associated with terminating the facility (i.e., basic circuit equipment and terminations at Serving Wire Centers). The Telephone Company applies a 50% billing percentage to the channel mileage fixed rate on jointly owned circuits, and applies 100% on wholly owned circuits. When the Channel Mileage Facility (per mile) is zero (i.e., collocated Serving Wire Centers), neither the Channel Mileage Facility (per mile) rate nor the Channel Mileage Termination (fixed) rate will apply.

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PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)

6.1.5 Rate Categories (Cont'd)

C. Lightlink<sup>SM</sup> Service

There are two rate categories which apply to Lightlink<sup>SM</sup> Service:

- Channel Termination
- Channel Mileage

1. Channel Termination

The Channel Termination rate category provides for the communications path between a customer designated premises and the Serving Wire Center. Included as part of the Channel Termination is a standard channel interface arrangement which defines the technical characteristics associated with the type of facilities to which the service is to be connected at the point of termination (POT) and the type of signaling capability if any. The signaling capability itself is provided as a part of this rate category. One Channel Termination charge applies per customer designated premises at which the channel is terminated. The charges applicable to the Channel Termination vary based on distance, as set forth in 6.1.7.A following.

2. Channel Mileage

The Channel Mileage rate category provides for the end office equipment and the transmission channel between the Serving Wire Centers associated with two customer designated premises, between a Serving Wire Center associated with a customer designated premises and a Telephone Company hub, or between two Company hubs. Channel Mileage rates are made up of the Channel Mileage Facility (per mile) rate and the Channel Mileage Termination (fixed) rate. Channel Mileage charges are set forth in 6.1.7.B.

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6.1 Link Services (Cont'd)

6.1.5 Rate Categories (Cont'd)

C. Lightlink<sup>SM</sup> Service (Cont'd)

2. Channel Mileage (Cont'd)

(a) Channel Mileage Facility (Per Mile)

The Channel Mileage Facility (per mile) rate recovers the cost for the transmission path, which extends between the Telephone Company Serving Wire Centers and/or hub(s) includes primarily outside plant used to provide the facility.

(b) Channel Mileage Termination (Fixed)

The Channel Mileage Termination (fixed) rate recovers the cost for end office equipment associated with terminating the facility (i.e., basic circuit equipment and terminations at Serving Wire Centers). The Telephone Company applies a 50% billing percentage to the channel mileage fixed rate on jointly owned circuits, and applies 100% on wholly owned circuits. When the Channel Mileage Facility (per mile) is zero (i.e., collocated Serving Wire Centers), neither the Channel Mileage Facility (per mile) rate nor the Channel Mileage Termination (fixed) rate will apply.

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6.1 Link Services (Cont'd)

6.1.5 Rate Categories (Cont'd)

D. Optional Features and Functions - Applicable to Translink® and Lightlink<sup>SM</sup> Service

Optional Features and Functions may be added to improve the quality or utility to meet the customer's specific communications requirements. These are not necessarily identifiable with specific equipment, but rather represent the end result in terms of performance characteristics, which may be obtained. These characteristics may be obtained by using various combinations of equipment. Optional Features and Functions that are available include the following:

1. Central Office Multiplexing

DS3 to DS1 - An arrangement that converts a 44.736 Mbps channel to 28 DS1 channels using digital time division multiplexing. Central Office Multiplexing is not available at the customer's premises.

DS1 to DS0 - An arrangement that converts a 1.544 Mbps channel to twenty-four (24) 64.0 Kbps channels utilizing digital time division multiplexing. Central Office Multiplexing is not available at the customer's premises.

2. Clear Channel Capability (CCC)

Clear Channel Capability (CCC) is an arrangement that alters a DS1/1.544 Mbps signal with unconstrained information bits to meet pulse density requirements outlined in Technical Reference Publications GR-54 and GR-342. This will allow a customer to transport an all zero octet over a DS1/1.544 Mbps channel providing an available combined maximum 1.536 Mbps data rate. This arrangement requires the customer signal at the channel interface to conform to Bipolar with 8 Zero Substitution (B8ZS) line code as described in Technical Reference Publications GR-54 and GR-342.

CCC is provided on DS1/1.544 Mbps channels of a Translink® and Lightlink<sup>SM</sup> Service facility between two customer designated premises and is subject to the availability of facilities. This optional feature may be ordered at the same time the Translink and Lightlink Service channel is ordered, or it may be ordered as an additional feature of an existing Translink and Lightlink Service channel.

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6.1 Link Services (Cont'd)

6.1.5 Rate Categories (Cont'd)

D. Optional Features and Functions - Applicable to Translink® and Lightlink<sup>SM</sup> Service (Cont'd)

3. Extended Superframe Format (ESF)

The ESF optional feature is available at suitably equipped end offices, and passes a customer provided framing format for 1.544 Mbps service. ESF extends the customer's 1.544 Mbps framing structure from twelve (12) to twenty-four (24) frames and divides the 8 Kbps 193rd bit position pattern into three distinct functionalities: 2 Kbps for frame synchronization, 2 Kbps for cyclic redundancy checking, and 4 Kbps used primarily for performance monitoring information.

4. Multiplexed Service Connection

For Translink® Service, a Multiplexed Service Connection is an arrangement that allows one DS0 channel of a multiplexed Telephone Company service to be connected to one DS0 channel with like signaling of another Telephone Company service. A Multiplexed Service Connection will be provided at all Telephone Company locations where Central Office Multiplexing is performed.

For Lightlink<sup>SM</sup> Service, a Multiplexed Service Connection is an arrangement that allows one DS1 channel of a multiplexed Telephone Company service to be connected to one DS1 channel with like signaling of another Telephone Company service. For example, the lesser speed may be an ISDN-PRI DS1 channel connected between a multiplexed DS3 service. A Multiplexed Service Connection will be provided at all Telephone Company locations where Central Office Multiplexing is performed.

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PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)

6.1.6 Application Of Rates

A. Digilink® Service

1. Each Digilink® Service facility may be comprised of two or more Channel Terminations. Where both customer premises are served by the same Serving Wire Center, the service will consist of two or more Channel Terminations. Where each customer premises is served by different Serving Wire Centers, the service will consist of two or more Channel Terminations, one Channel Mileage Termination (fixed) and the Channel Mileage Facility (per mile) between Serving Wire Centers and/or hub(s).
2. Intraexchange channels furnished between Company central offices will be charged at rates based on airline distance between the central offices. Interexchange channels will be charged at rates based on airline distance between Company central offices. Fractional mileage will be rounded up to the next full mile. The mileage measurement is determined by utilizing exchange maps and mileage tables located in designated Telephone Company offices for such purposes.
3. Whenever facilities are provided jointly by the Telephone Company and another telephone company, the regulations, rates and charges of the other telephone company shall apply for the equipment and facilities furnished by the other telephone company for use in connection with Digilink Service. The Telephone Company applies a 50% billing percentage to the Channel Mileage Termination (fixed) rate on jointly owned circuits, and applies 100% on wholly owned circuits. When the Channel Mileage Facility (per mile) is zero (i.e., collocated Serving Wire Centers), neither the Channel Mileage Facility (per mile) rate nor the Channel Mileage Termination (fixed) rate will apply.

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6.1 Link Services (Cont'd)

6.1.6 Application Of Rates (Cont'd)

A. Digilink® Service (Cont'd)

4. Data Amplification provides for data transmission when the customer is located beyond the normal range for high speed digital data service. Local channel terminations greater than five (5) cable route miles in length for 19.2 Kbps service or three (3) miles in length for 56 Kbps and 64 Kbps service may require circuit repeaters and associated equipment be installed to regenerate the digital signal in order for accurate and acceptable data transmission to occur. The distances given are an indication of the potential requirement for Data Amplification. The actual distance is dependent on decibel (db) loss and not just physical loop length and is a function of the specific Telephone Company cable between the serving wire center and the customer's location. Applications requiring Data Amplification may also require special construction charges, Construction and Installation Charges, as specified in Section 8 of the P.S.C. MO No. 22 General Exchange Tariff.
5. One Central Office Bridging Capability charge applies per port. When more than one Serving Wire Center is involved, the origin of the bridge(s) will dictate if there are additional interoffice transport charges (i.e., Channel Mileage Facility, Per Mileage). Refer to diagrams in 6.1.2.A.7 preceding.

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PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)

6.1.6 Application Of Rates (Cont'd)

B. Translink® Service

1. Each Translink® Service facility is comprised of two Channel Terminations. Where both customer premises are served by the same Serving Wire Center, the service will consist of two Channel Terminations. Where each customer premises is served by different Serving Wire Centers, the service will consist of two Channel Terminations, one Channel Mileage Termination (fixed) and the Channel Mileage Facility (per mile) between Serving Wire Centers and/or hub(s).
2. Intraexchange channels furnished between Telephone Company central offices will be charged at rates based on airline distance between the central offices. Interexchange channels will be charged at rates based on airline distance between Telephone Company central offices. Fractional mileage will be rounded up to the next full mile. The mileage measurement is determined by utilizing exchange maps and mileage tables located in designated Telephone Company offices for such purposes.
3. Whenever facilities are provided jointly by the Telephone Company and another telephone company, the regulations, rates and charges of the other telephone company shall apply for the equipment and facilities furnished by the other telephone company for use in connection with Translink Service. The Telephone Company applies a 50% billing percentage to the Channel Mileage Termination (fixed) rate on jointly owned circuits, and applies 100% on wholly owned circuits. When the Channel Mileage Facility (per mile) is zero (i.e., collocated Serving Wire Centers), neither the Channel Mileage Facility (per mile) rate nor the Channel Mileage Termination (fixed) rate will apply.

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PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)

6.1.6 Application Of Rates (Cont'd)

C. Lightlink<sup>SM</sup> Service

1. Each Lightlink<sup>SM</sup> Service facility may be comprised of one or two Channel Terminations. Where both customer premises are served by the same Serving Wire Center, the service will consist of two Channel Terminations. Where each customer premises is served by different Serving Wire Centers, the service will consist of two Channel Terminations, one Channel Mileage Termination (fixed) and the Channel Mileage Facility (per mile) between Serving Wire Centers and/or hub(s). Where one customer premises is involved, the Channel Termination of a lower bandwidth service can be replaced with a Lightlink Service Channel Termination. For example, the Channel Termination associated with ISDN-PRI Service, referred to as an ISDN-PRI Primary Rate Access Line, can be replaced with a Lightlink Service Channel Termination to connect the ISDN-PRI Service to the Serving Wire Center of the customer's designated premises.
2. The Channel Termination rate element for Lightlink Service will vary based on distance. The mileage used to determine the monthly rate for Channel Terminations located outside a Telephone Company central office is the airline distance between the customer's designated premises and the Telephone Company's Serving Wire Center. The mileage measurement is determined by utilizing exchange maps and mileage tables located in designated Company offices for such purposes.
3. Intraexchange channels furnished between Telephone Company central offices will be charged at rates based on airline distance between the central offices. Interexchange channels will be charged at rates based on airline distance between Telephone Company central offices. Fractional mileage will be rounded up to the next full mile.
4. Whenever facilities are provided jointly by the Telephone Company and another telephone company, the regulations, rates and charges of the other telephone company shall apply for the equipment and facilities furnished by the other telephone company for use in connection with Lightlink Service. The Telephone Company applies a 50% billing percentage to the Channel Mileage Termination (fixed) rate on jointly owned circuits, and applies 100% on wholly owned circuits. When the Channel Mileage Facility (per mile) is zero (i.e., collocated Serving Wire Centers), neither the Channel Mileage Facility (per mile) rate nor the Channel Mileage Termination (fixed) rate will apply.

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## PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)6.1.7 Rates And Charges

	<u>Monthly Rate</u>	<u>Nonrecurring Charge Installation</u>	<u>Nonrecurring Charge Rearrangement</u>
A. Channel Termination - Per Point of Termination			
1. Digilink® Service			
19.2 Kbps			
Month to Month	\$121.00	\$345.00	\$150.00
12 - 23 Months	115.00	345.00	150.00
24 - 35 Months	113.00	345.00	150.00
36 - 59 Months	80.00	345.00	150.00
60 - 84 Months	75.00	345.00	150.00
56.0 Kbps, 64.0 Kbps			
Month to Month	121.00	345.00	150.00
12 - 23 Months	115.00	345.00	150.00
24 - 35 Months	113.00	345.00	150.00
36 - 59 Months	80.00	345.00	150.00
60 - 84 Months	75.00	345.00	150.00

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6.1 Link Services (Cont'd)6.1.7 Rates And Charges (Cont'd)

		<u>Monthly Rate</u>	<u>Nonrecurring Charge Installation</u>	<u>Nonrecurring Charge Rearrangement</u>
A.	Channel Termination (Cont'd) - Per Point of Termination			
2.	Translink® Service			
	128 Kbps			
	Month to Month	\$150.00	\$402.00	\$200.00
	12 - 23 Months	143.00	402.00	200.00
	24 - 35 Months	140.00	402.00	200.00
	36 - 59 Months	115.00	402.00	200.00
	60 - 84 Months	104.00	402.00	200.00
	256 Kbps			
	Month to Month	160.00	402.00	200.00
	12 - 23 Months	152.00	402.00	200.00
	24 - 35 Months	149.00	402.00	200.00
	36 - 59 Months	120.00	402.00	200.00
	60 - 84 Months	106.00	402.00	200.00
	384 Kbps			
	Month to Month	170.00	402.00	200.00
	12 - 23 Months	162.00	402.00	200.00
	24 - 35 Months	158.00	402.00	200.00
	36 - 59 Months	125.00	402.00	200.00
	60 - 84 Months	108.00	402.00	200.00
	512 Kbps			
	Month to Month	175.00	402.00	200.00
	12 - 23 Months	166.00	402.00	200.00
	24 - 35 Months	163.00	402.00	200.00
	36 - 59 Months	130.00	402.00	200.00
	60 - 84 Months	110.00	402.00	200.00
	1.544 Mbps			
	Month to Month	190.00	422.00	200.00
	12 - 23 Months	181.00	422.00	200.00
	24 - 35 Months	177.00	422.00	200.00
	36 - 59 Months	135.00	422.00	200.00
	60 - 84 Months	115.00	422.00	200.00

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6.1 Link Services (Cont'd)6.1.7 Rates And Charges (Cont'd)

	<u>Monthly Rate</u>	<u>Nonrecurring Charge Installation</u>	<u>Nonrecurring Charge Rearrangement</u>
A. Channel Termination (Cont'd)			
- Per Point of Termination			
3. Lightlink <sup>SM</sup> Service			
44.736 Mbps			
Month to Month <sup>1</sup>			
Within CO	\$1,495.00	N/A	\$250.00
0-3 miles	1,795.00	N/A	250.00
Over 3 miles	2,495.00	N/A	250.00
12 - 23 Months			
Within CO	1,195.00	\$900.00	250.00
0-3 miles	1,595.00	900.00	250.00
Over 3 miles	2,295.00	900.00	250.00
24 - 35 Months			
Within CO	1,095.00	800.00	250.00
0-3 miles	1,495.00	850.00	250.00
Over 3 miles	2,195.00	850.00	250.00
36 - 59 Months			
Within CO	1,045.00	700.00	250.00
0-3 miles	1,445.00	800.00	250.00
Over 3 miles	2,145.00	800.00	250.00
60 - 84 Months			
Within CO	945.00	500.00	250.00
0-3 miles	1,345.00	600.00	250.00
Over 3 miles	2,045.00	600.00	250.00

<sup>1</sup>Month-to-month rates are available only after the expiration of one of the Term Discount Plans.ISSUED:  
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## PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)6.1.7 Rates And Charges (Cont'd)

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
B. Channel Mileage		
1. Termination (Fixed) - Per Circuit		
(a) Digilink® Service		
19.2 Kbps, 56.0 Kbps, 64.0 Kbps		
Month to Month	\$35.00	\$0.00
12 - 23 Months	34.50	0.00
24 - 35 Months	34.00	0.00
36 - 59 Months	34.00	0.00
60 - 84 Months	33.00	0.00

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## PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)6.1.7 Rates And Charges (Cont'd)

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
B. Channel Mileage (Cont'd)		
1. Termination (Fixed) (Cont'd) - Per Circuit		
(b) Translink® Service		
128 Kbps		
Month to Month	\$72.00	\$0.00
12 - 23 Months	72.00	0.00
24 - 35 Months	72.00	0.00
36 - 59 Months	72.00	0.00
60 - 84 Months	61.00	0.00
256 Kbps		
Month to Month	82.00	0.00
12 - 23 Months	82.00	0.00
24 - 35 Months	82.00	0.00
36 - 59 Months	72.00	0.00
60 - 84 Months	61.00	0.00
384 Kbps		
Month to Month	92.00	0.00
12 - 23 Months	92.00	0.00
24 - 35 Months	92.00	0.00
36 - 59 Months	72.00	0.00
60 - 84 Months	61.00	0.00
512 Kbps		
Month to Month	105.00	0.00
12 - 23 Months	100.00	0.00
24 - 35 Months	98.00	0.00
36 - 59 Months	72.00	0.00
60 - 84 Months	61.00	0.00
1.544 Mbps		
Month to Month	105.00	0.00
12 - 23 Months	100.00	0.00
24 - 35 Months	98.00	0.00
36 - 59 Months	72.00	0.00
60 - 84 Months	61.00	0.00

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## PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)6.1.7 Rates And Charges (Cont'd)

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
B. Channel Mileage (Cont'd)		
1. Termination (Fixed) (Cont'd) - Per Circuit		
(c) Lightlink <sup>SM</sup> Service		
44.736 Mbps		
Month to Month <sup>1</sup>	\$675.00	N/A
12 - 23 Months	665.00	\$0.00
24 - 35 Months	655.00	0.00
36 - 59 Months	635.00	0.00
60 - 84 Months	615.00	0.00

<sup>1</sup>Month-to-month rates are available only after the expiration of one of the Term Discount Plans.

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## PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)6.1.7 Rates And Charges (Cont'd)

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
B. Channel Mileage (Cont'd)		
2. Facility (Per Mile)		
(a) Digilink® Service		
19.2 Kbps, 56.0 Kbps, 64.0 Kbps		
Month to Month	\$2.55	\$0.00
12 - 23 Months	2.50	0.00
24 - 35 Months	2.45	0.00
36 - 59 Months	2.40	0.00
60 - 84 Months	2.30	0.00

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## PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)6.1.7 Rates And Charges (Cont'd)

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
B. Channel Mileage (Cont'd)		
2. Facility (Per Mile) (Cont'd)		
(b) Translink® Service		
128 Kbps		
Month to Month	\$12.00	\$0.00
12 - 23 Months	12.00	0.00
24 - 35 Months	12.00	0.00
36 - 59 Months	12.00	0.00
60 - 84 Months	12.00	0.00
256 Kbps		
Month to Month	23.00	0.00
12 - 23 Months	23.00	0.00
24 - 35 Months	23.00	0.00
36 - 59 Months	23.00	0.00
60 - 84 Months	23.00	0.00
384 Kbps		
Month to Month	34.00	0.00
12 - 23 Months	34.00	0.00
24 - 35 Months	34.00	0.00
36 - 59 Months	32.00	0.00
60 - 84 Months	27.00	0.00
512 Kbps		
Month to Month	48.00	0.00
12 - 23 Months	45.60	0.00
24 - 35 Months	44.64	0.00
36 - 59 Months	32.00	0.00
60 - 84 Months	27.00	0.00
1.544 Mbps		
Month to Month	48.00	0.00
12 - 23 Months	45.60	0.00
24 - 35 Months	44.64	0.00
36 - 59 Months	32.00	0.00
60 - 84 Months	27.00	0.00

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## PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)6.1.7 Rates And Charges (Cont'd)

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
B. Channel Mileage (Cont'd)		
2. Facility (Per Mile) (Cont'd)		
(c) Lightlink <sup>SM</sup> Service		
44.736 Mbps		
Month to Month <sup>1</sup>	\$150.00	N/A
12 - 23 Months	135.00	\$0.00
24 - 35 Months	120.00	0.00
36 - 59 Months	105.00	0.00
60 - 84 Months	90.00	0.00

<sup>1</sup>Month-to-month rates are available only after the expiration of one of the Term Discount Plans.

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## PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)6.1.7 Rates And Charges (Cont'd)

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
C. Optional Features and Functions		
1. Translink® Service		
(a) Central Office Multiplexing DS1 to DS0		
- Per Arrangement		
Month to Month	\$375.00	\$125.00
12 – 23 Months	325.00	125.00
24 – 35 Months	300.00	125.00
36 – 59 Months	275.00	125.00
60 – 84 Months	250.00	125.00
(b) Clear Channel Capability (CCC)		
- Per Channel Termination	\$0.00	\$386.50
(c) Extended Superframe Format (ESF)		
- Per Channel Termination	N/A	N/A
(d) Multiplexed Service Connection		
- Per DS0	\$8.00	\$100.00
2. Lightlink <sup>SM</sup> Service		
(a) Central Office Multiplexing DS3 to DS1		
- Per Arrangement		
Month to Month <sup>1</sup>	\$475.00	N/A
12 – 23 Months	475.00	\$150.00
24 – 35 Months	475.00	150.00
36 – 59 Months	475.00	150.00
60 – 84 Months	475.00	150.00
(b) Clear Channel Capability (CCC) <sup>2</sup>		
- Per Channel Termination	\$0.00	\$275.00
(c) Multiplexed Service Connection		
- Per DS1	\$8.00	\$55.00

<sup>1</sup>Month-to-month rates are available only after the expiration of one of the Term Discount Plans.<sup>2</sup>A nonrecurring charge will apply when Clear Channel Capability is ordered for a DS1 circuit already in service and will not apply when provided as part of the initial installation.ISSUED:  
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## PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)6.1.7 Rates And Charges (Cont'd)

	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
D. Data Amplification <sup>2</sup> - Per Repeater	\$99.00	\$116.50
E. Central Office Bridging Capability <sup>2</sup> - Per Port		
19.2 Kbps, 56.0 Kbps, 64.0 Kbps		
Month to Month	\$29.00	\$ 97.50
12 - 23 Months	22.00	97.50
24 - 35 Months	20.00	97.50
36 - 59 Months	18.00	97.50
60 - 84 Months	16.00	97.50

<sup>2</sup>Circuit Repeater and Central Office Bridging Capability only apply to Digilink® Service

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PRIVATE LINE SERVICE

6.1 Link Services (Cont'd)

6.1.7 Rates And Charges (Cont'd)

F. Nonrecurring Charge

The Installation Nonrecurring Charge is applicable for the initial installation of a Channel Termination to a given Serving Wire Center. The Rearrangement Nonrecurring Charge is applicable for any rearrangement of an existing Channel Termination.

G. Move Charges

A Move Charge applies for Channel Terminations moved to a new location, even when moved on the same premises. The Move Charge is equal to the Channel Termination Installation Nonrecurring Charge and applies in addition to the Service Order Charge-Complex Business located in Section 30 of the P.S.C. MO. No. 22 General Exchange Tariff.

H. Service Connection Charges

A Service Order Charge-Complex Business as set forth in Section 30 of the P.S.C. MO. No. 22 General Exchange Tariff is applicable per customer request. Nonrecurring Charges specified in this tariff section are in lieu of all other Service Connection Charges.

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## PRIVATE LINE SERVICE

## STATEMENT OF SERVICE CLASSIFICATIONS

Presented in this section are the Service Classifications for Sprint Missouri, Inc. pursuant to MoPSC Order of December 4, 2003 in Case No. IO-2003-0281.

<b>Service</b>	<b>Competitive/Service Classification</b>	<b>Tariff Reference</b>
<b>IntraLATA Interexchange Type 102</b>	Statewide Competitive/Non-Basic	2.2.1.D.
<b>Sub-Voice Grade Service-Series 200</b>	Statewide Competitive/Non-Basic	2.2.2.D.
<b>Voice Grade Service-Series 300 and 400</b>	Statewide Competitive/Non-Basic	2.2.3.E.
<b>Private Line Service</b>	Statewide Competitive/Non-Basic	2.2.4.
<b>Signaling</b>	Statewide Competitive/Non-Basic	2.2.6.B.
<b>Channel Conditioning Charges</b>	Statewide Competitive/Non-Basic	2.2.7.
<b>Foreign Exchange Service</b>	Statewide Competitive/Non-Basic	3.1.4.C.
<b>Link Services</b>	Statewide Competitive/Non-Basic	6.1.7.

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April 1, 2004

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May 1, 2004

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