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Mark Twain Rural Telephone Co.
Private Line Service Tariff
Title Page
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PRIVATE LINE SERVICE

Regulations, Rates and Charges
applying to the provision of Private Line Service
for connection to intrastate communications facilities
for Intrastate Customers within the
operating territory of the

MARK TWAIN RURAL TELEPHONE COMPANY

in the State of

MISSOURI

as provided herein.

Rate Center:

All exchanges of the company

Private Line Services are provided by means of wire, fiber optics, radio or any other suitable
technology or a combination thereof.

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EXPLANATION OF SYMBOLS

- (R) – to signify reduction.
- (I) – to signify increase.
- (C) – to signify changed regulation.
- (T) – to signify a change in text but no change in rate or regulation.
- (S) – to signify reissued matter.
- (M) – to signify matter relocated without change.
- (N) – to signify new rate or regulation.
- (D) – to signify discontinued rate or regulation.
- (Z) – to signify correction.
- (F) – to signify change in format lettering or numbering.

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APPLICATION OF TARIFF

This Tariff applies to Interexchange Private Line Services furnished or made available by the Mark Twain Rural Telephone Company hereinafter referred to as the Telephone Company, and for Private Line Services furnished jointly with a connecting company, to the portion of such Private Line Services furnished by the Telephone 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 Area's (LATA's) of the State of Missouri, between two or more points, all of said points being within LATA's of the State of Missouri.

This provision of such services by the Telephone Company as set forth in this tariff does not constitute a joint undertaking with the customer for the furnishing of any service.

The schedules of rates and specific regulations are set forth in this Tariff.

The regulations applicable to the provision of Private Line Service are contained in Section 2.

Each specific service's rates are shown in Section 3. In the right hand margin of Section 3., a Tariff Section Reference is shown which indicates the location of Section 2 where the application of the rate can be found.

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REGULATIONS

1.1 UNDERTAKING OF THE TELEPHONE COMPANY

1.1.1 Scope

- A. This Tariff section contains the general regulations and definitions governing Private Line Services furnished by the Telephone Company. The regulations of the connecting company apply to the portion of Private Line Services which it furnishes at "other line" charges.
- B. Private Line Service is the furnishing of Telephone Company service components for communication between specified locations all within the Local Access and Transport Area's (LATA's) of the State of Missouri, 24 hours daily, seven days per week. Service components may be those of the Telephone Company only or those of the Telephone Company and other telephone companies.
- C. The Telephone 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 Services. Interexchange Customers may use services found in this Tariff that will meet their administrative needs; however, an Interexchange Customer is restricted from utilizing services found in this Tariff to furnish a portion of their authorized service offerings.
- E. The Telephone Company shall be responsible only for the installation, operation and maintenance of services it provides. The Telephone Company will, for maintenance purposes, test its services only to the extent necessary to detect and/or clear troubles.

1.1.2 Limitations

- A. Establishment of MTS and/or regular Exchange Telephone service shall take precedence over all other services and uses in the event of a shortage of service components at any time.
- B. Furnishing service under this Tariff will require certain physical arrangements of service components and is subject to availability of such 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.

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REGULATIONS

1.1 UNDERTAKING OF THE TELEPHONE COMPANY (Continued)

1.1.2 Limitations (Continued)

- D. Subject to compliance with Paragraph 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 Long Distance 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 his communications over the service components furnished him by the Telephone Company and of the other uses for which service components may be furnished him by the Telephone Company, and because of unavoidable errors incidental to the services and to the use of such service components of the Telephone Company are subject to the terms, conditions and limitations as are set out in Section 2 of this Tariff governing the respective services.

- B. Except in the case of willful misconduct for which the Telephone Company's liability is not limited by this tariff, the Telephone Company's liability for damages shall not exceed an amount equal to the proportionate tariff charge for the period during which the service was affected.

However, any such damages 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 premises equipment shall not result in the imposition of any liability whatsoever upon the Telephone Company.

- C. The Telephone Company shall be indemnified, defended and held harmless by the customer against any claim, loss or damage arising from the customer's use of services offered under this tariff, involving:

1. Claims for libel, slander, invasion of privacy, or infringement of copyright arising from the customer's own communication.
2. Claims for patent infringement arising from the customer's acts combining or using the service furnished by the Telephone Company in connection with facilities or equipment furnished by the end users or IC or;

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REGULATIONS

1.1 UNDERTAKING OF THE TELEPHONE COMPANY (Continued)

1.1.3 Liability (Continued)

C. (Continued)

3. All other claims arising out of any act or omission of the customer in the course of using services provided pursuant to this tariff.

- D. The Telephone 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 Telephone 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 others, caused or claimed to have been 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 Telephone 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.

- E. When the lines of connecting companies are used in establishing connections to points not reached by the Telephone Company's lines, the Telephone Company is not liable for any act or omission of the connecting company or companies.
- F. The Telephone Company is not liable for any defacement of 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 Telephone 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 Telephone Company.
- G. The Telephone Company shall be under no liability for the quality or defects in voice recordings where Telephone Company combined service components are used in making such recordings.

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REGULATIONS

1.1 UNDERTAKING OF THE TELEPHONE COMPANY (Continued)

1.1.4 Provisions of Service Components

- A. The Telephone Company or the Telephone Company and other telephone 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 their own terminal equipment, communications systems or premises wiring for use with such service as specified in Paragraph 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. With the customer providing his own data set(s) on a private line, 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 Telephone Company.
 3. Where Telephone Company-provided service components and customer-provided equipment and/or customer-provided premises wiring are connected to the same Private Line Service, the customer-provided equipment and/or customer-provided premises wiring must be compatible with the Telephone Company-provided service. The Telephone Company has the service responsibility up to the network interface on the customer's premises for the customer-provided equipment and/or customer-provided premises wiring.
 4. IntraLATA Private Line Service is offered where existing service components and operating conditions permit.
- B. Maintenance and Repairs—All ordinary expense of maintenance and repair associated with network facilities and equipment, unless otherwise specified in this Tariff, is borne by the Telephone 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

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REGULATIONS

1.1 UNDERTAKING OF THE TELEPHONE COMPANY (Continued)

1.1.4 Provisions of Service Components (Continued)

B. (Cont'd)

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 the Telephone 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 Telephone Company's convenience.

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

- D. Service components furnished by the Telephone Company on the premises of a customer are the property of the Telephone 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 office boundary realignments are necessary at the discretion of the Telephone Company, those Private Line Services affected by the change will be reconfigured, and this may result in increases or decreases in charges. Any change in the charges billed to a private line customer will become effective when the service office area transfer is made.

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REGULATIONS

1.1 UNDERTAKING OF THE TELEPHONE COMPANY (Continued)

1.1.5 Protective Equipment

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

1.1.6 Application for Private Line Service

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

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

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

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REGULATIONS

1.1 UNDERTAKING OF THE TELEPHONE COMPANY (Continued)

1.1.7 Special Assemblies for Speculative Projects

A. Special assemblies of equipment or speculative projects for which provision is not otherwise made in this Tariff may be provided where practicable if not detrimental to any of the services furnished by the company.

1. The charge for such facilities may be in the form of an installation charge, a monthly charge, a termination charge or any combination thereof and will include, when applicable, on or more of the following estimated expense items associated with the special equipment or service provided:

- a. Maintenance expense
- b. Depreciation expense – including reusable and non-recoverable items
- c. Administration expense
- d. Taxes-including federal income tax
- e. Any other specific items of expense that may be associated with the facility provided.
- f. A reasonable return on investment.

2. The estimated installation cost used in the derivation of the various expense items shall include the following: (*)

- a. Material
- b. Material overhead
- c. Installation labor
- d. Installation labor overhead

3. The company will provide an estimate of actual rates and/or charges to the customer prior to installation.

1.2 USE

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

(*) Loaded labor includes costs which are direct in nature, such as the wages of craft personnel, and also includes indirect overhead costs which cannot be specifically assigned to projects. These indirect overhead costs include supervision, vehicle, house services, pension and payroll tax expenses. Other indirect costs such as vacation, sick time and meetings are also included. These costs are accumulated in a pool of costs and then are distributed as actual hours are worked by craft personnel.

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REGULATIONS

1.2 USE (Continued)

1.2.1 Authorized Use

A customer may use Private Line Services 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 on a service furnished to a department or agency of the United States Government when the head of the department or agency, or his duly authorized representative, notifies the Telephone 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.
- 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.

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REGULATIONS

1.2 USE (Continued)

1.2.1 Authorized Use (Continued)

- H. For the transmission of communications to, from and/or between users utilizing premises switching equipment within a Multiline Termination System Area. The premises switching equipment may be furnished under a resold or shared arrangement.

1.2.2 Unlawful Purposes

The service is furnished subject to the condition that it will not be used for any unlawful purpose. Service will be discontinued forthwith if any law enforcement agency, acting within its apparent jurisdiction, advises in writing that such service or channels are being used in violation of law. The Telephone Company will refuse to furnish service when it has reasonable grounds to believe that such service will be used in violation of the law.

1.2.3 Resale of Use for Others

- A. Interexchange Private Line Services may be resold for the purpose of offering an intrastate communications service to others for a profit, subject to the following regulations:
1. 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.
 2. Orders, including those which involve the start rearrangement, release or discontinuance of service will be accepted by the Telephone Company only from the customer.

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REGULATIONS

1.2 USE (Continued)

1.2.4 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 Telephone Company is not responsible for procuring participants for a sharing arrangement.
- E. Sharing arrangements must be nonprofit. The total charges to all participants in a sharing arrangement may not exceed the sum of the Telephone Company's charges for the Private Line Service. The allocation of charges to each participant should be on a nonprofit pro-rata basis. Where the customer for a sharing arrangement is organized as a nonprofit entity, a not-for-profit fee, charges solely for the management, may be allocated by the customer among the sharing participants.
- F. The Telephone Company shall not be responsible for the allocation of usage of, 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 Telephone 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 equivalents thereof.

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REGULATIONS

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 persons with whom connection is made at the called service point.
- C. Damages to service components of the Telephone 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 Telephone Company for any loss through theft of the service components on the customer's premises.
- E. The provision of appropriate power including the outlet and power wiring when the Telephone 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 Telephone Company in explosive atmospheres and points outside the hazardous area where connection may be made with regular service components of the Telephone Company, and may be required to install and maintain Telephone Company service components within the hazardous area, if, in the opinion of the Telephone Company, injury or damage to Telephone Company employees or property might result from installation or maintenance by the Telephone Company.
- H. Obtaining permission for Telephone 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 Telephone Company.

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REGULATIONS

1.3 OBLIGATION OF THE CUSTOMER (Continued)

1.3.1 Customer Responsibilities (Continued)

- I. Making all Telephone Company private line service components available for maintenance purposes at a time agreeable to both the Telephone Company and the customer. No allowance will be made for the period during which the services interrupted for such purposes.

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 Telephone Company, except upon the written consent of the Telephone 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 Telephone Company at the time of application for service. In the event of a planned change in use of service, the customer will notify the Telephone Company, in writing, prior to the change.

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REGULATIONS

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 installation charges applicable, together with 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 applicant or a present customer. Upon nonpayment of any undisputed delinquent charge, the service may be disconnected in accordance with the provisions of the Rules and Regulations Applying to All Customer's Contracts Section of the General Exchange Tariff.

C. Deposits.

The Telephone 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 Telephone 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.

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.

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REGULATIONS

1.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Continued)

1.4.3 Minimum and Fractional Rates and Charges (Continued)

- 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 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.

1.4.4 Special Construction

- A. The regulations rates and charges for special construction are set forth in General Services and/or Exchange Tariffs of the Telephone Company.
- B. Special construction is that construction undertaken:
 - 1. Where service components are not presently available, and there is no other requirement for the service components so constructed.
 - 2. Of a type other than that which the Telephone Company would normally utilize in the furnishing of its service.
 - 3. Over a route other than that which the Telephone Company would normally utilize in the furnishing of its services.
 - 4. In a quantity greater than that which the Telephone 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.

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REGULATIONS

1.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Continued)

1.4.4 Special Construction (Continued)

- C. A request for change 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 Telephone Company undertakes any work involved in developing such quotations.

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

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 Telephone Company

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REGULATIONS

1.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Continued)

1.4.8 Allowances for Interruptions (Continued)

- 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. Each month is considered to have 30 days for purposes of administering this regulation.
- B. Long Distance Message Telecommunications Service furnished at a customer's request when his Private Line Service is interrupted is charged for at Long Distance Message Telecommunications Service rates.

1.4.9 Cancellation of Application for Service

Where installation of service components other than those provided by special construction has been started prior to the cancellation, the charge specified in Paragraphs 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.

Installation of service components for a customer is considered to have started when the Telephone 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 Telephone Company for provision of service.

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REGULATIONS

1.4 PAYMENT ARRANGEMENTS AND CREDIT ALLOWANCES (Continued)

1.4.10 Miscellaneous Charges

A. Restoration Priority Change

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

The charge for making a Restoration Priority Change at the customer's request is set forth in Section 3.2.6.

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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 Telephone Company and manufactured under the control of the Telephone Company quality assurance procedures which unit is to be incorporated in a conforming answering device.

Base Rate Area – The portion of the exchange area in which exchange service is furnished at scheduled rates for each class of service without mileage or construction charges.

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

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

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

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 Telephone 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 customer premises or between Telephone Company offices or between a network interface located on customer’s premises and a service office. A channel may be furnished in such manner as the Telephone Company may elect whether by wire, radio or a combination thereof and whether or not by means of a single physical service component or route.

Channel Terminal – The service components required to terminate an intraLATA interexchange channel or an intraLATA interoffice 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 Telephone Company service components.

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REGULATIONS

1.5 DEFINITIONS (Continued)

Conformance Number – Denotes an identifying number assigned by the Telephone 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 Telephone Company in its 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 arranges; 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 remove interrogation and/or device function control. A conforming answering device must incorporate an authorized protective connecting module and must bear a valid conformance number.

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

Connecting Company – A corporation, association, firm or individual owning and operating one or more exchanges and with whom traffic is interchanged.

Contract – The service agreement between a customer and the Telephone Company under which service components for communication between specified locations for designated periods, and for 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, running between two or more premises and 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 Telephone Company. A customer must have a communication requirement of his own for each Private Line Telephone Service.

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

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REGULATIONS

1.5 DEFINITIONS (Continued)

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

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 agreement 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 Telephone 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 Connection – 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 – "Encoded Analog Content" is an analog signal which has been multiplexed and coded within a digital signal.

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 – "Equivalent Analog Signal Power" is the power of the analog signal at the output of a 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 milliwatt signal.

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REGULATIONS

1.5 DEFINITIONS (Continued)

Exchange – Denotes a unit established by the Telephone 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 Telephone Company will furnish complete telephone service at the exchange rates applicable within that area.

Service Components – All the plant and equipment of a Telephone 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 Telephone Company, including any construction work in progress.

Foreign Exchange Service – Exchange Service furnished by means of a circuit connecting a customer's service point to a primary serving office of another exchange.

Foreign Serving Office – Exchange Service furnished by means of a circuit connecting a customer's service point to a serving office of the same exchange but outside of the serving office area in which the service point is located.

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

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 Customer(s) (IC) – Denotes any individual, partnership, association, corporation or governmental agency or any other entity which subscribes to the services offered under the Access Services Tariff to provide intrastate telecommunications services for its own use or for the use of its customers (End Users).

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

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REGULATIONS

1.5 DEFINITIONS (Continued)

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 the equipment rooms, cross connection points or other distribution points.

Intraexchange Service – A Private Line Service where the network interfaces located on customer premises are wholly within an exchange or a metropolitan exchange as defined in the Local Exchange Tariff.

IntraLATA – A Private Line Service where the network interfaces located on customer premises are wholly within a LATA as defined in this Tariff.

Isochronous – Isochronous is 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) – The Local Access and Transport Area denotes a geographical area established for the administration of communications service. It encompasses designated local operating Telephone 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 (1) an interexchange or interoffice channel; (2) another network interface on the same or on a different premises in the same service office area via another local channel to a network interface located on that same or a different premises.

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

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 provide by the Telephone Company.

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REGULATIONS

1.5 DEFINITIONS (Continued)

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

Network Control Signaling – Denotes the transmission of signals used in the telecommunications system which perform functions such as super-vision (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 Telephone 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 and premises services and is defined for each type of Private Line Service. (See Demarcation Point).

Other Line Charge – The charge applied by another telephone company for the portion of an intraLATA interexchange service which it furnishes. The "other line" charge added to the Telephone 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 Telephone Company and other telephone companies.

Other Telephone Company – See Connecting Company.

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.

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REGULATIONS

1.5 DEFINITIONS (Continued)

Premises Wiring – Wiring on the customer's side of the network interface provided for use with service components furnished by the Telephone 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 Telephone Company as the primary service office. A primary serving office is also a serving office. In a service area where there is not physically located a serving office, a theoretical location has been established by the Telephone Company for billing purposes.

Private Line Service – Channels and other service components (when provided by the Telephone 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 Commission's Rules and Regulations.

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 service office.

Service Area – An exchange or a zone of metropolitan exchange.

Service Point – Denotes the service components furnished by the Telephone Company at a location on a premises and connected for Private Line Service, or:

Denotes 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 Telephone 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 Telephone Service. Where the serving office is not located in the service area, a theoretical location has been established by the Telephone Company for billing purposes.

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REGULATIONS

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 serving office with one telephone number prefix.
- By a multiple unit service 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 – A station port is 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 allocations where the subject matter to be transmitted is not originated primarily for wired music distribution.

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

Zone – A portion of a Metropolitan Exchange which has one primary serving office and is further described in the Local Exchange Tariff.

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

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REGULATIONS

1.6 CONNECTIONS

1.6.1 General Provisions

A. General

1. Terminal equipment and communications systems may be connected at the customer's premises to Private Line Services furnished by the Telephone Company where such connections are made in accordance with applicable provisions of this Tariff and the connections of Terminal Equipment and Communications Systems Section of the General Exchange Tariff.
2. The term "telecommunications services," when used in this Section, denotes Exchange Service, Long Distance Message Telecommunications Service (LDMTS) 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 customer-provided terminal equipment or communications system. No combination of Customer Premises Equipment or communications Systems shall require a change in or alteration of service components of the Telephone Company, cause electrical hazards to Telephone Company personnel, damage to Telephone Company service components, malfunction of Telephone Company billing equipment or degradation of service to persons other than the user of the subject terminal equipment or communications system, his calling or called party. Upon notice from the Telephone Company that a Customer Premises Equipment or 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.
2. The customer shall be responsible for the payment of a nonrecurring Customer Owned Equipment Trouble Isolation Charge (set forth in Section 3.2.6) applies or each repair visit to a premises of the customer or user for the 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.

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

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REGULATIONS

1.6 CONNECTIONS (Continued)

1.6.1 General Provisions (Continued)

B. Responsibility of the Customer (Continued)

3. The customer who provides the premises wiring or Communications Systems subject to the Federal Communications Commission's Rules and Regulations shall be responsible for the payment of an Institutional Program for Premises Wiring charge as provided below for activities performed by Telephone Company employees at the customer's premises when the premises wiring in question has failed acceptance tests monitored by, or participated in by, the Telephone Company pursuant to the Federal Communications Commission's Rules and Regulations and/or has been revealed to be not in conformance with the information provided in the related affidavit which was provided pursuant to the Federal Communications Commission's Rules and Regulations and/or has resulted in a harm to the network.

The Institutional Program for Premises Wiring Charge provided for above is comprised of the first, or a combination of both, rate elements described below, as appropriate:

Element 1 – for the first 15 minutes, or fraction thereof, of total time spent by Telephone Company employees in the related monitoring or participation in acceptance tests and/or in related inspection of customer-provided premises wiring for Communications Systems subject to the Federal Communications Commission's Rules and Regulations and for administrative expenses, including the visit to the customer's premises.

Element 2 – for each additional 15 minutes, or major fraction thereof, of total time spent by Telephone Company employees in performing the related customer-premises activities described in Element 1, preceding.

The rate for Element 1 and Element 2 activity in these areas are set forth in Section 3.2 6.

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REGULATIONS

1.6 CONNECTIONS (Continued)

1.6.1 General Provisions (Continued)

C. Responsibility of the Telephone Company

1. Private Line Services are not represented as adapted to the use of the customer or interexchange customer-provided terminal equipment or communications systems. Where such terminal equipment or communications systems are used with Private Line Services, the responsibility of the Telephone Company shall be limited to the furnishings of service components suitable for Private Line Services and to the maintenance and operation of service components in a manner proper for such service. Subject to this responsibility, the Telephone Company shall not be responsible for (1) the through transmission of signals generated by the Customer Premises Equipment or Communications Systems or for the quality of, or defects in, such transmissions, or (2) the reception of signals by Customer Premises Equipment or Communications Systems or (3) address signaling where such signaling is performed by customer-provided signaling equipment.
2. The Telephone 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 network.
3. The Telephone Company may make changes in its telecommunications network, service components, operations or procedures, where such action is not inconsistent with the Federal Communications Commissions' Rules and Regulations. If such changes can be reasonably expected to render any customer's terminal equipment or communications system incompatible with the telecommunications network, or require modification or alteration of such Customer Premises Equipment or Communications Systems, or otherwise materially affect its use or performance, the customer or interexchange customer will be given adequate notice in writing to allow the customer an opportunity to maintain uninterrupted service.

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

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REGULATIONS

1.6 CONNECTIONS (Continued)

1.6.1 General Provisions (Continued)

D. Recording of Two-Way Telephone Conversations

Private Line Services are 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 Federal Communications Commission's Rules and Regulations are applicable to such Private Line Services.

E. Violation of Regulations

When any customer or interexchange Customer Premises Equipment or Communications Systems is used with Private Line Service in violation of any of the provisions in this Section, the Telephone Company will take such immediate action as necessary for the protection of the telecommunications network and Telephone Company employees and will promptly notify the customer or interexchange customer of the violation. The customer shall take such steps as are necessary to discontinue such use of the terminal equipment or communications systems 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 to correct the violation and to give the required written confirmation to the Telephone 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 inaccessible locations may be connected with Private Line Service furnished by the Telephone Company. Such service components furnished by the customer must comply with the minimum protection criteria contained in Paragraph 1.6.4, F., following.

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REGULATIONS

1.6 CONNECTIONS (Continued)

1.6.2 Connections of Registered Equipment

- A. Terminal equipment, protective circuitry and communications systems that are registered may be connected to those Private Line Services specified in Paragraphs 1.6.2, B., 1.6.2, C. or 1.6.2, D., following, subject to Paragraph 1.6.1, preceding, and this Paragraph 1.6.2; and further subject to the Connections of Terminal Equipment and Communications Systems 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 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 CCSA access lines.
 - 4. A Foreign Exchange channel may be utilized with registered terminal equipment, registered protective circuitry and registered communications systems which are connected to the exchange telephone service associated with such channels.
- 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 interference 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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REGULATIONS

1.6 CONNECTIONS (Continued)

1.6.2 Connections of Registered Equipment (Continued)

- D. The connection of customer-provided registered terminal equipment and registered PBX Systems 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 Telephone 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.

1.6.3 Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems

A. Direct Connections

1. Grandfathered terminal equipment and grandfathered communications systems directly connected to the Private Line Services specified in Paragraph 1.6.2, B, preceding, are subject to regulations in the Connections of Terminal Equipment and Communications Systems Section of the General Exchange Tariff. Such connections are subject to the minimum protection criteria set forth in Paragraph 1.6.4, F, following.
2. Grandfathered terminal equipment and grandfathered communications systems directly connected to the Private Line Services specified in Paragraphs 1.6.2, C and D, preceding, on April 30, 1980, may remain connected for the life of the equipment without registration and may be modified only in accordance with the Federal Communications Commission's Rules and Regulations, subject to the following:
 - a. All such connections shall comply with the minimum protection criteria set forth in Paragraph 1.6.4, F, following.

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

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REGULATIONS

1.6 CONNECTIONS (Continued)

1.6.3 Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems (Continued)

A. Direct Connections (Continued)

2. (Continued)

b. No changes may be made to equipment so connected except by the manufacturer thereof or a duly authorized agent of the manufacturer.

3. Systems connected pursuant to Paragraphs 1.6.3, A.2 preceding, may remain connected and be moved and reconnected, for the life of the equipment and may be modified only in accordance with the Federal Communications Commission's Rules and Regulations.

4. Customer Premises Equipment and customer-provided communications systems connected via customer-provided grandfathered protective circuitry are subject to the provisions of Paragraphs 1.6.3, A.1 through 3, preceding.

B. Connections Through Connecting Arrangements Provided by the Telephone Company

1. Grandfathered connections of terminal equipment and grandfathered connections of communications systems to the private line services specified in Paragraph 1.6.2, B, preceding, are subject to the minimum protection criteria set forth in Paragraph 1.6.4, E, following.

2. Grandfathered connections of terminal equipment and grandfathered connections of communications systems to the private line services specified in Paragraphs 1.6.2, C and D, preceding, are subject to the following.

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REGULATIONS

1.6 CONNECTIONS (Continued)

1.6.3 Connections of Grandfathered Terminal Equipment and Grandfathered Communications Systems (Continued)

B. Connections Through Connecting Arrangements Provided by the Telephone Company (Continued)

2. (Continued)

- a. The Telephone Company-provided connecting arrangements will only be provided, to the extent that such connecting arrangement are available, to reconnected terminal equipment or communications systems which were previously connected to the private line services specified in Paragraphs 1.6.2, C or D, preceding, through connecting arrangements prior to May 1, 1983.
- b. Grandfathered connections of terminal equipment and grandfathered connections of communications systems made in accordance with Paragraph 1.6.3, B.2.a, preceding, may remain connected and be moved and reconnected for the life of the equipment and may be modified only in accordance with the Federal Communications Commission's Rules and Regulations. Connecting arrangements used for such moves and reconnections will continue to be provided by the Telephone Company, subject to their availability at the rates and charges specified in the General Exchange Tariff.
- c. Network control signaling shall be performed by the connecting equipment furnished, installed and maintained by the Telephone Company, except that customer-provided tone-type address signaling is permissible through the Telephone Company-provided connecting agreement.
- d. The connections specified in Paragraph 1.6.3, B.2.a through c, preceding, must comply with the minimum protection criteria specified in Paragraph 1.6.4.E, following.

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REGULATIONS

1.6 CONNECTIONS (Continued)

1.6.4 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 Systems 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 the type of channels and equipment used:
 - Series 100
 - Series 200
 - Series 400
 - Channels for Program Transmission in Connection with Loudspeakers and Sound Recordings
 - Video Channels (Provided via Special Assembly Request for Closed Circuit TV)
2. Except as otherwise provided in Paragraphs 1.6.2 and 1.6.3, preceding, Customer Premises Equipment and Communications Systems may be electrically connected to Private Line Services in accordance with Paragraph 1.6.4.
 - a. When the Customer Premises Equipment or Communications System is connected with Private Line Service furnished by the Telephone 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 Telephone Company.
 - b. When the customer Premises Equipment or Communications System is connected with Private Line Service furnished by the Telephone Company and such Private Line Service is arranged for connection to telecommunications services:
 - (1) Except as otherwise specified in Paragraph 1.6.4, D.1.d, following, such connections shall be made through a connecting arrangement as provided in Paragraph 1.6.4.

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

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REGULATIONS

1.6 CONNECTIONS (Continued)

1.6.4 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 Telephone Company-provided connecting arrangement) are performed by service components furnished by the Telephone Company.

c. Customer Premises Equipment or Communications Systems connected pursuant to Paragraphs 1.6.4, A.2.a or b, preceding, must comply with the minimum protection criteria specified in Paragraph 1.6.4, E, following.

B. Data Terminal Equipment

1. Direct Electric Connection

a. Customer-provided data terminal equipment which involves direct electrical connection to service components furnished for Private Line Service by the Telephone 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 Telephone Company is to furnish the type channel and channel conditioning as ordered and specified by the customer.

No supplement to this
tariff will be issued
except for the purpose
of cancelling this tariff.

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REGULATIONS

1.6 CONNECTIONS (Continued)

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

B. Data Terminal Equipment (Continued)

1. Direct Electric Connection (Continued)

a. (Continued)

(2) Except as otherwise specified in Paragraph 1.6.4, B.1.a.(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. With the customer providing 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 Telephone Company.

(3) To protect the telecommunications network, the connection of customer-provided data terminal equipment to Private Line Service provided by the Telephone Company, when such Private Line Service is arranged for connection to telecommunications services, shall be through a connecting arrangement as described below:

(a) Data Sets

With the customer providing data terminal equipment and the Data Set, the Telephone Company will provide equipment to perform the function of:

- Conditioning the data signals generated by the customer-provided equipment to signals suitable for transmission by means of Telephone Company service components.

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tariff will be issued
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REGULATIONS

1.6 CONNECTIONS (Continued)

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

B. Data Terminal Equipment (Continued)

1. Direct Electric Connection (Continued)

a. (Continued)

(3) (Continued)

(a) Data Sets (Continued)

- Conditioning signals transmitted by means of Telephone Company service components to data signals suitable for reception by customer-provided equipment, and
- Network control signaling when required in accordance with Paragraph 1.6.4, A, preceding, and Paragraph 1.6.4, E, following.

(b) Data Access Arrangement

With the customer providing and using data terminal equipment through a data access arrangement, the customer shall furnish the equipment which performs the functions of data signal conditioning referred to above, and the Telephone Company shall furnish the data access arrangement for use with the network control signaling unit.

- (4)** With the data access arrangement being furnished with Customer Premises Equipment and such 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.

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REGULATIONS

1.6 CONNECTIONS (Continued)

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

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 Paragraph 1.6.4, A.2.b, preceding.
 - a. The connection shall be made through a network control signaling unit and a connecting arrangement furnished by the Telephone Company.
 - b. With the data access arrangement being furnished in connection with the 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 of Terminal Equipment and Communications Systems Section of the General Exchange Tariff.

D. Communications Systems

1. Customer-provided communications systems (other than communications systems connected pursuant to Paragraph 1.6.2 and 1.6.3, preceding) may be connected to Private Line Service in accordance with Paragraph 1.6.4, D.1. 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 systems provided that:

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REGULATIONS

1.6 CONNECTIONS (Continued)

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

D. Communications Systems (Continued)

1. (Continued)

- a. The normal mode of operation of the customer-provided communication systems 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 or to channels created therefrom in accordance with the provisions of Paragraph 1.6.5, following.
- d. When the Private Line Service is arranged as provided in Paragraph 1.6.4, A.2.b, preceding, the connection is made through:
 - (1) a connecting arrangement provided by the Telephone Company, or
 - (2) registered or grandfathered terminal equipment, communications system 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.

Minimum protection criteria as set forth in paragraph 1.6.4, E, following, must be complied with when the connection is made through equipment or systems that are not registered.

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REGULATIONS

1.6 CONNECTIONS (Continued)

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

D. Communications Systems (Continued)

1. (Continued)

d. (Continued)

(2) (Continued)

In lieu of these requirements for total hardware protection, an optional, alternative method as described in Paragraph 1.6.4, D.1.e, following is available for the control of signal power only.

e. 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 Paragraph 1.6.4, A.2.b, preceding, and the connection is through (a) a Telephone Company-provided connecting arrangement or (b) registered or grandfathered terminal equipment, communications system or 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:

(1) 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.

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tariff will be issued
except for the purpose
of cancelling this tariff.

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REGULATIONS

1.6 CONNECTIONS (Continued)

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

D. Communications Systems (Continued)

1. (Continued)

e. (Continued)

(2) 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.

- (a) a training course provided by the manufacturer of the equipment used to control voice frequency signal power; or
- (b) 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; or
- (c) 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; or
- (d) in lieu of the preceding training requirements, the operator(s)/maintainer(s) is under the control of a supervisor trained in accordance with Paragraphs 1.6.4, D.1.a through c, preceding.

Upon request, the customer is required to provide the proper documentation to demonstrate compliance with these requirements.

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tariff will be issued
except for the purpose
of cancelling this tariff.

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REGULATIONS

1.6 CONNECTIONS (Continued)

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

D. Communications Systems (Continued)

1. (Continued)

e. (Continued)

(3) At least 10 days' advance notice must be given to the Telephone 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:

- (a) The full name, business address, business telephone number and signature of the customer or authorized representative who has the responsibility for the operation and maintenance of the communications system.
- (b) The line(s) which the communications system will be either connected to or arranged for connection to.
- (c) 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 the Federal Communications Commission's Rules and Regulations.
- (d) 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.

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tariff will be issued
except for the purpose
of cancelling this tariff.

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REGULATIONS

1.6 CONNECTIONS (Continued)

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

D. Communications Systems (Continued)

1. (Continued)

f. Extraordinary Procedures

(1) The Telephone Company may invoke extraordinary
procedures to protect the Private Line Service where
one or more of the following conditions are present:

(a) 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 paragraph 1.6.4, D.1.e.,
preceding, is likely.

(b) Harm has occurred and there is reason to
believe this harm was a result of operations
performed under the Institutional Procedures
set forth in Paragraph 1.6.4, D.1.e, preceding.

(2) The extraordinary procedures which can be invoked
by the Telephone Company include:

(a) 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 Telephone Company or the
customer.

(b) Disconnecting service.

No supplement to this
tariff will be issued
except for the purpose
of cancelling this tariff.

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REGULATIONS

1.6 CONNECTIONS (Continued)

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

D. Communications Systems (Continued)

1. (Continued)

f. Extraordinary Procedures (Continued)

(3) A charge equal to the Maintenance of Service Charge
as provided in Paragraph 1.6.1, B.3, proceeding, will
apply when:

(a) It is necessary to send a Telephone Company
employee to the premises where the
connection is made because a condition set
forth in Paragraph 1.6.4, D.1.f.(1), preceding,
exists, and

(b) A failure to comply with the Federal
Communications Commission's Rules and
Regulations or the Institutional Procedures for
signal power control in Paragraph 1.6.4, D.1.e,
preceding, is disclosed.

E. Minimum Protection Criteria for Electrical Connections

1. Since Private Line Services utilize Telephone 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 Telephone 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 specified by the Telephone
Company for each application to be consistent with the signal power
allowed on the telecommunications network.

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

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REGULATIONS

1.6 CONNECTIONS (Continued)

1.6.4 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. To protect other services, it is necessary that the signal which is applied by the customer-provided equipment to the Telephone Company network interface located on the customer's premises meet the following limits:
 - (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 Paragraph 1.6.4, F.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 Telephone 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.
4. With Customer Premises Equipment being utilized, 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 Paragraphs 1.6.4, E.4.a through d, following:

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

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REGULATIONS

1.6 CONNECTIONS (Continued)

1.6.4 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. (Continued)

- a. The maximum rms (root-means-square) value, including dc and ac components of the current per conductor will be specified by the Telephone 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 Paragraph 1.6.4, E.3.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 weighting factors for the individual frequency components times the square of the rms voltage of the individual frequency components. The weighting factors are as indicated:

<u>For frequencies between</u>	<u>Weighting 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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REGULATIONS

1.6 CONNECTIONS (Continued)

1.6.5 Channel Derivation Devices

Customer-provided channel derivation devices which are used to create additional channels in accordance with Paragraphs 1.6.5, A and B, following, may be connected to Private Line Services subject to Paragraphs 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 Telephone 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 resultant derived channels for any communications purpose.

1.6.6 Connections of Certain Facilities of Power, Pipeline and Railroad Companies*

Service components of an electric power company, an 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, downs or villages along the right-of-way) owned or controlled by such company may, in lieu of the provisions of Paragraphs 1.6.3 and 1.6.4, D, preceding, be connected with services furnished by the Telephone 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 Telephone Company.
- B. Such customer telephone service components will be connected to private line services furnished by the Telephone Company for voice transmission and utilizing a Series 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;

* Obsolete-applicable to existing installations at existing locations for existing customers.

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tariff will be issued
except for the purpose
of cancelling this tariff.

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REGULATIONS

1.6 CONNECTIONS (Continued)

**1.6.6 Connections of Certain Facilities of Power, Pipeline and Railroad Companies
(Continued)***

B. Continued

2. In cases of calls originated by railroad employees under circumstances indicating 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 Telephone Company to furnish its service components; and

4. During an interim period in cases where the customer has arranged for replacement of said customer service components with service components of the Telephone 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 position may be located at either or both ends of the customer's circuit.

D. Connection of a telephone circuit of such companies as specified in Paragraphs 1.6.7, 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 and morse, telephotograph, data transmission, remote metering, supervisory control or miscellaneous signaling service components will be connected to Private Line Service furnished by the Telephone Company for such purposes to the same customer.

F. Telephone Company-provided private line services, 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 Telephone Company, to other companies which:

* Obsolete-applicable to existing installations at existing locations for existing customers.

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REGULATIONS

1.6 CONNECTIONS (Continued)

1.6.6 Connections of Certain Facilities of Power, Pipeline and Railroad Companies (Continued)*

(F) Continued

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 or pipe line or railroad service components interconnected with those of the customer.
3. own or operate electric power or pipe line railroad service components interconnected with those of the customer.

Telephone Company-provided line services when so connected may be connected to a local or toll central office line to form a through connection for communications of other companies specified in Paragraph 1.6.7, F.1, 2, or 3, preceding including calls originated by employees of such companies only under the circumstances set forth in Paragraphs 1.6.7, B.1 and 2, preceding.

G. Customer Premises Equipment and Communications Systems connected to the private line services specified in Paragraph 1.6.2, B, preceding, in accordance with Paragraphs 1.6.7, A through F, 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 installations 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 Commissions' Rules and Regulations.

H. 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 Paragraph 1.6.2, C or 1.6.2, D, preceding, in accordance with Paragraphs 1.6.7, A through F, preceding, must meet the requirements of the Federal Communications Commission's Rules and Regulations.

* Obsolete-applicable to existing installations at existing locations for existing customers.

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tariff will be issued
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REGULATIONS

1.6 CONNECTIONS (Continued)

1.6.7 Connections of Certain Facilities of the U.S. Army, Navy or Air Force*

Service components of the U.S. Department of the Army, Navy or Air Force will be connected with services furnished by the Telephone Company, in lieu of the provisions of Paragraphs 1.6.3 and 1.6.4, D, preceding as provided in Paragraphs 1.6.3 and 1.6.4, D, preceding as provided in Paragraphs 1.6.8, A and B, following, where the Secretary of the appropriate department or his authorized representative, notifies the Telephone 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 Telephone Company.

- A. Telephone service components of the aforesaid Departments will be connected to private line services furnished by the Telephone Company for voice Transmission and utilizing a Series 300(1) or 400 channel for communications with service points associated with such services; provided, however, that such departmental 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 Telephone 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.
- C. Customer Premises Equipment and Communications Systems connected to the Private Line Services specified in Paragraph 1.6.2, B, preceding, in accordance with Paragraph 1.6.7, 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 installations of Customer Premises Equipment or Communications Systems subject to the Federal Communications Commission's Rules and Regulations.
- D. Effective Na 1m 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 Paragraph 1.6.2, C or 1.6.2, D, preceding, in accordance with Paragraphs 1.6.7, A and B, preceding, must meet the requirements of the Federal Communications Commission's Rules and Regulations.

* Obsolete-applicable to existing installations at existing locations for existing customers.

No supplement to this tariff will be issued except for the purpose of cancelling this tariff.

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REGULATIONS

1.6 CONNECTIONS (Continued)

1.6.8 Connection of Services Furnished by the Telephone Company to Different Customers.

A. Private Line Service furnished to a customer may be connected:

- With a Private Line Service furnished to a branch or agency of the United States Government for purposes specified under Paragraphs 1.6.8, 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 Telephone Company, or
- With a Private Line Service, Long Distance Message Telecommunications Service, Local Exchange Service or WATS access line furnished to a different customer.
- Channels of voice grade or less furnished by the Telephone Company to one customer may be connected to channels created by another customer from a channel in accordance with Paragraph 1.6.5, preceding; channels have been created by the other customer.

1.6.9 U.S. Government Executive Departments and Agencies *

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 Telephone Company services, subject to the regulations and conditions below:

- A. The head of the Department of Agency whose equipment is to be connected, or his authorized representative, shall notify the Telephone 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 disclosure of which to unauthorized persons 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 Telephone Company.

* Obsolete-applicable to existing installations at existing locations for existing customers.

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tariff will be issued
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REGULATIONS

1.6 CONNECTIONS (Continued)

1.6.9 U.S. Government Executive Departments and Agencies (Continued) *

- C. The connection shall be made by means of service components by the Telephone Company, subject to the provisions of Paragraph 1.6.3, preceding.

1.6.10 Connection of Services Furnished by the Telephone Company to the Same Customer.

A Private Line Service furnished by the Telephone Company may be connected to another private line furnished by the Telephone Company or by the Telephone Company and its interexchange customers or to another service provided by the Telephone Company as specified in Paragraphs 1.6.10, A through G, 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.

All connections will be made through connecting arrangements furnished in connection with channel switching arrangements provided by the Telephone Company or through switching equipment provided by the customer, except as otherwise provided in Paragraph 1.6.10, B, following.

- B. Channels created by the customer in accordance with the provisions of Paragraph 1.6.5, preceding, may be connected at the customer's premises:

- 1. To channels of voice grade or less and furnished by the Telephone Company, and the channels created therefrom as authorized in Paragraph 1.6.5, preceding.

The connection of channels specified above is subject to the regulations contained in Paragraphs 1.6.1, 1.6.2 and 1.6.3, preceding.

* Obsolete-applicable to existing installations at existing locations for existing customers.

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REGULATIONS

1.6 CONNECTIONS (Continued)

**1.6.10 Connection of services Furnished by the Telephone Company to the Same Customer.
(Continued)**

- C. A voice grade Private Line Service for voice communications or other types of voice grade channels, when used alternatively for voice transmission and when in the voice mode, may be connected at a PBX or other switching or connecting arrangements to Long Distance Message Telecommunications Service, Local Exchange Service or WATS access lines to form a through connection over the private and 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 channels is used for transmission of data, through connections over the private and exchange lines may also be established as described above.

- D. The telecommunications network may be used in conjunction with channels for medium speed facsimile transmission to extend the transmission and reception of pictures and similar material for publication, subject to the rates and regulations specified in the General Exchange Tariff. No direct connection of the telecommunications network shall be made to the above-type channels at the premises of the customer, except where protective connection equipment is provided for this purpose by the Telephone Company.
- E. Channels of less than voice grade may be connected at the customer's premises to Long Distance Telecommunications Service Local Exchange Service or WATS access line through switching equipment provided by the customer or 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 Telephone Company.

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REGULATIONS

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 Paragraph 1.6.2, preceding, at the premises of the customer 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 Paragraph 1.6.4, A.2, preceding, at the premises of the customer either (1) directly at the Private Line Service interface or (b) through other equipment, provided that the minimum protection criteria specified in Paragraph 1.6.4, F, 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 Services specified in Paragraph 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 generated and/or detection devices, or similar devices, utilized by the customer for the detection and/or isolation of a communications service fault.
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.

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REGULATIONS

1.6 CONNECTIONS (Continued)

1.6.11 Connections of Customer-Provided Test Equipment (Continued)

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

3. Direct connection of customer-provided test equipment or connections through Telephone Company-provided terminal equipment or communications systems subject to the Federal Communications Commission's Rules and Regulations are made through Telephone Company-provided jacks or as otherwise authorized by the Telephone Company.
4. Customer-provided test equipment must be operated in accordance with the Institutional Procedures for Signal Power Control as specified in Paragraph 1.6.14, C, following.
5. The customer notifies the Telephone 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 Telephone 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 Telephone Company personnel, damage to Telephone Company equipment, malfunction of Telephone 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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REGULATIONS

1.6 CONNECTIONS (Continued)

1.6.11 Connections of Customer-Provided Test Equipment (Continued)

C. Institutional Procedures for Signal Power Control

1. In accordance with Paragraph 1.6.14, B.4, preceding, the customer must comply with the following Institutional 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 functions by successfully completing one of the following:
 - (1) A training course provided by the manufacturer of the test equipment, or
 - (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, or
 - (3) An independent training course (e.g., trade school or technical institution) recognized by the manufacturer of the test equipment, or
 - (4) In lieu of preceding training requirements, the operator(s)/maintainer(s) is under the control of a supervisor trained in accordance with Paragraph 1.6.14, C.1.b (1) through (3), preceding.

Upon request, the customer is required to provide proper documentation to demonstrate compliance with the requirements in Paragraph 1.6.14, C.1.b.

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REGULATIONS

1.6 CONNECTIONS (Continued)

1.6.11 Connections of Customer-Provided Test Equipment (Continued)

C. Institutional Procedures for Signal Power Control (Continued)

1. (Continued)

c. Advance notice must be given to the Telephone 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 Telephone Company may invoke extraordinary procedures to protect the telecommunications network where one or more of the following conditions are present:

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REGULATIONS

1.6 CONNECTIONS (Continued)

1.6.11 Connections of Customer-Provided Test Equipment (Continued)

C. Institutional 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 Institutional Procedures set forth in Paragraph 1.6.14, 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 Paragraph 1.6.14, C.1, preceding.

b. The extraordinary procedures which can be invoked by the Telephone 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 Maintenance of Service Charge will apply 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 Paragraph 1.6.14, C.2.a, preceding, exists, and;
- (2) A failure to comply with the Institutional Procedures for signal power control is disclosed.

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REGULATIONS

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 (hereinafter called "tax") now or hereafter imposed upon the Telephone 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 or 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 surcharge 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.
- 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.

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

- E. The tariff 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 a single amount.

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REGULATIONS

1.8 METHOD OF APPLYING RATES

1.8.1 The method of applying rates for Customer-Owned Telephotograph and Facsimile is set forth in 2.2.4.

1.8.2 The method of applying rates for intraLATA interexchange Private Line Service involving two-point and multipoint service for Series 100, Series 200 , Series 300(1) and Series 400 are determined as follows:

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 have only one local channel: 414B, 414C, 415, 417A, 417B, 432, 437, 442 and 443.

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 Foreign Exchange, Foreign Service Office and Types 312(1), 415, 417A, 417B, 432, 437, 442, and 443.

B. IntraLATA Interoffice Channel(2)

Two Point

Interexchange – When the network interface of an intraLATA interexchange Private Line Service is located in an area served by a serving office that is not also the primary serving office, interoffice mileage charges apply. Charges are based on the V-H distance between the primary serving office and the serving office.

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

(2) Fractional V-H miles are to be considered whole V-H miles.

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REGULATIONS

1.8 METHOD OF APPLYING RATES (Continued)

1.8.2 (Continued)

B. IntraLATA Interoffice Channel(2) (Continued)

Multipoint

Each channel connecting primary serving offices with serving offices, or serving offices with serving offices is considered a separate channel for which mileage is independently computed. Mileage will be charged for in a manner that results in the lowest possible total intraLATA interoffice channel charges unless the customer requests special routing. Bridging charges per channel bridged apply when three or more voice grade channels connect at the same location. Bridging charges do not apply to Foreign Exchange, Foreign Serving office and Types 312(1), 415, 417A, 417B, 432, 437, 442, and 443.

C. Channel Terminals

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

D. IntraLATA Interexchange Channel(2)

Two Point

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

Each exchange and each zone of a metropolitan exchange has one primary serving office. Charges are based on the V-H distance between primary serving offices.

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

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

(2) Fractional V-H miles are to be considered whole V-H miles.

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REGULATIONS

1.8 METHOD OF APPLYING RATES (Continued)

1.8.2 (Continued)

D. IntraLATA Interexchange Channel(2) (Continued)

Multi-Point

Each channel connecting primary serving offices 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 bridged apply when three or more voice grade channels connect at the same location. Bridging charges do not apply to Foreign Exchange and Types 312(1), 415, 417A, 417B, 432, 437, 442, and 443.

E. Additional Point of Termination of a Local Channel in Different Buildings (Same Premises) (1)(3)

Charges, as provided in Section 3 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 single Private Line Service are located in 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 3 of this tariff.

F. Additional Point of Termination in Same Building (1)(3)

Charges as provided in Section 3 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.

- (1) Obsolete-applicable to existing installations at existing locations for existing customers.
- (2) Fractional V-H miles are to be considered whole V-H miles.
- (3) The monthly rate for these services shown in Section 3 of this Tariff does not include maintenance and/or repair.

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REGULATIONS

1.8 METHOD OF APPLYING RATES (Continued)

1.8.2 (Continued)

G. Same Building(1)(3)

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 Section 3 of this Tariff apply.

H. Exceptions

In those cases where one customer premises involved in an intraLATA interexchange private line service is located in a different Local Exchange Telephone Company's operating territory than the other premises location(s) associated with the service, the method of applying rates will be 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 Local Exchange Telephone Company's tariff.
2. The rate for the applicable intraLATA interexchange per mile mileage will be the rate in each Local Exchange Telephone Company's tariff. Each Local Exchange Telephone Company's charge for the per mile mileage element is based on the route mile ownership ratio multiplied by the Local Exchange Telephone Company's per mile rate for the airline (V-H) mileage between the primary service office of each Local Exchange Telephone Company.

I. 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 Foreign Exchange, Foreign Serving Office, Types 312(1), 415, 417A, 417B, 423, 437, 442, and 443.

- (1) Obsolete-applicable to existing installations at existing locations for existing customers.
- (2) Fractional V-H miles are to be considered whole V-H miles.
- (3) The monthly rate for these services shown in Section 3 of this Tariff does not include maintenance and/or repair.

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REGULATIONS

1.8 METHOD OF APPLYING RATES (Continued)

1.8.2 (Continued)

J. Service Charges

A charge applies per point of termination installed or moved as provided in Section 2 and 3, following. 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.

K. Special Routing of Channels

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

Special routing is involved where, in order to comply with requirements specified by the customer, the Telephone 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 serving offices and/or primary serving offices is considered a separate channel for which charges are independently computed as provided in Sections 2 and 3.

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

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

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REGULATIONS

1.8 METHOD OF APPLYING RATES (Continued)

1.8.3 Determination of V-H Mileages

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

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

- C. Square each difference obtained in Paragraph 1.8.3, B, above.
- D. Add the squares of the "V" differences and the "H" difference obtained in Paragraph 1.8.3, C, above.
- E. Divide the sum of the squares obtained in Paragraph 1.8.3, D, above by 10.
- F. Obtain the square root of the result obtained in Paragraph 1.8.3, E, above. This is the rate distance in miles (fractional miles being considered as full miles).

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SERVICES AND RATES

2.1 GENERAL

- 2.1.1 In addition to the regulations set forth in the Regulations Section of this Tariff applicable to Private Line Services, additional regulations are set forth throughout this Section. The Rate Application is set out for each element in Section 2. Section 3 provides the listing of applicable rates for the services described in Section 2.
- 2.1.2 Channels are classified by series and further classified within each series by types. 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 service, 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 service provided by the Telephone Company. The Telephone 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 Exchange rates, rules and regulations apply for the exchange portion of the total service when Private Line Services are used in connection with Exchange Services or are connected to 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 Telephone 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 customers.(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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SERVICES AND RATES

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 Telephone 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 (CPE) at the premises are defined in terms of electrical interfaces. Interconnection protection criteria and regulations as described in Section 1.6 shall apply.

The types of local channels offered for termination at a premises for termination in customer premises equipment and systems are as follows:

1. Type 102 – Transmission Characteristics in Paragraph 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 service offices, including the serving office of the central station all within the same LATA.
- C. Transmission characteristics of Type 102 Service is as follows:
1. Type 102 service has 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 Telephone Company's options. If provided by "other means", the transmission specifications are described in a Bell System Technical Reference for low-speed signaling channels.
- D. Rates – IntraLATA Interexchange Type 102.

Monthly rates and service charges can be found in Section 3.2.1.

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SERVICES AND RATES

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

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SERVICES AND RATES

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 (CPE), as Specified in Paragraph 2.2.2 B.

BASIC PARAMETERS

SPECIFICATIONS OR LIMIT

Channel Signals

Local Channels used with CPE – as specified in Paragraph 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 CPE – as specified in 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

For up to 75 Baud Type – Where the Telephone 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. For up to 150 Baud – Customer must in all cases, provide a source of continuous 117 volt, 60 Hz ac power, nonswitched outlet.

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

- D. Rates – IntraLATA Interexchange Series 200

Monthly rates and service charges can be found in Section 3.2.2.

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SERVICES AND RATES

2.2 DESCRIPTION OF SERVICES (Continued)

2.2.3 Voice Grade Service-Series 300(1) and Series 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 or 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 installments at existing locations for existing customers.

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SERVICES AND RATES

2.2 DESCRIPTION OF SERVICES (Continued)

2.2.3 Voice Grade Service-Series 300(1) and Series 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 the 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 Paragraph 2.1.5) are as set forth following:

1. Type 414B – Furnished for tie line use, between a customer premises PBX (or similar) switching system and a customer's Centrex arrangement when the switching system is located in a Telephone Company central office. E&M signaling is included in the local channel.
2. 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)
3. 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)
4. 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)

(1) Obsolete-applicable to existing service installments 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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SERVICES AND RATES

2.2 DESCRIPTION OF SERVICES (Continued)

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

B. (Continued)

5. 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.
6. 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 voice channel.
7. Type 428 – A two-wire interface with effective two-wire service components engineered for a 1000 Hz net loss of VLN +4dB. Normally suitable for use to provide an off-premises main or extension station of a premises PBX (or similar) switching system.

Signaling options required to arrange series 400 channels for suitable signaling are available at charges specified in paragraph 3.2.5, 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 the net loss (or gain) refer to the requirement of the total channel offering, not the individual local channel. Gains or losses present in the CPE have not been included.

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

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SERVICES AND RATES

2.2 DESCRIPTION OF SERVICES (Continued)

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

C. Parameters and Specifications

Parameters and specifications for two-point service used with Customer Premises Equipment (CPE) 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.

<u>BASIC PARAMETERS</u>	<u>SPECIFICATION OR LIMIT</u>
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 the CPE 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	$\pm 5\text{Hz}$
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, less than 1000 microseconds, 1000-2400 Hz; less than 1750 microseconds, 800-2600 Hz.

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

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SERVICES AND RATES

2.2 DESCRIPTION OF SERVICES (Continued)

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

C. Parameters and Specifications (Continued)

<u>BASIC PARAMETERS</u>	<u>SPECIFICATION OR LIMIT</u>
-13 dBm0 1000 Hz Test Signal to C-Notched Noise Ratio	For Speech Application, 20db. For Data Application, 24 db.
Impulse Noise	For Speech Application, 90 counts in 15 minutes at a threshold of 1 db below a -13 dBm0 rms 1000 Hz Test Signal. For Data Application, 15 counts in 15 minutes at a threshold of 6 db below a -13 dBm0 rms 1000 Hz Test Signal.
Phase Jitter	For Speech Application, 18 degrees peak to peak. For Data Application, 10 degrees peak to peak.
Non-Linear Distortion Signal to 2 nd Order Distortion	For Speech Application, 20 db. For Data Application, 25 db.
Signal to 3 rd Order Distortion	For Speech Application, 25 db. For Data Application, 30 db.

D. MultiPoint

The Telephone 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 Foreign Exchange, Foreign Serving Office and Types 312(1), 415, 417, 428, 442 and 443. See Paragraph 3.2.3, A.6. for intraLATA interexchange charges.

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

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SERVICES AND RATES

2.2 DESCRIPTION OF SERVICES (Continued)

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

D. MultiPoint (Continued)

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 Paragraph 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

E. Conditioning Options. Available for Types 414B, 414C, 420 and 422.

The types and description of the available conditioning options at rates and charges specified in 3.2.3, following, are as follows:

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

Type C1(2) – For a two-point or mulit-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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SERVICES AND RATES

2.2 DESCRIPTION OF SERVICES (Continued)

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

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

1. (Continued)

Type C2 (2) – For a two-point or multi-point 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 1500 microseconds.
- Frequency response shall not exceed:
Between 500 and 2800 Hz, -1 dB to +3dB.
Between 300 and 3000 Hz, -2 dB to +6 dB.
(+ means more loss)

Note: On a three-point or four-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 each of the other two or three service points.

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.

- (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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SERVICES AND RATES

2.2 DESCRIPTION OF SERVICES (Continued)

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

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

1. (Continued)

Type C4 – for a two point or three-point channel: (Continued)

- 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 each of the other two or three service
points.

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.
(2) Available only where service components and conditions permit.

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SERVICES AND RATES

2.2 DESCRIPTION OF SERVICES (Continued)

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

E. 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 (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

F. Foreign Exchange Service

1. This service is furnished to a maximum of two exchanges (in addition to the exchange in which the Exchange service is furnished). The Exchange service connection is provided from one exchange only.
2. Service is furnished on the condition that additional costs to the Telephone 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 type the Telephone Company would elect to furnish in such cases, additional charges shall apply.
3. Customers, for the exchange portion of the service are subject to exchange charges, rules and regulations; and for the private line portion of the service, are subject to the private line charges, rules and regulations in this Tariff.
4. The Telephone Company will only provide this service when both service points (the open end and the closed end) are within the same LATA.
5. Off-premises extensions are provided only where service components and conditions permit.

(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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SERVICES AND RATES

2.2 DESCRIPTION OF SERVICES (Continued)

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

G. Foreign Serving Office Service.

1. This service is furnished to a maximum of two serving offices (in addition to the serving office in which the Exchange Service is furnished) within the exchange or metropolitan exchange in which the exchange service is furnished.
2. Service is furnished on the condition that additional costs to the Telephone Company may be necessary to provide a type of signaling suitable for operation with the serving office from which service is furnished, or to provide, at the customer's request, a type of signaling other than the type the Telephone Company would elect to furnish. In such cases, additional charges shall apply.
3. Customers, for the exchange portion of the service, are subject to exchange charges, rules and regulations; and for the private line portion of the service, are subject to the private line charges, rules and regulations in this Tariff.
4. Off-premises extensions are provided only where service components and conditions permit.

H. Rates – IntraLATA Interexchange

Monthly rates and service charges for Series 300(1) and Series 400 voice grade services can be found in Section 3.2.3.

2.2.4 Customer-owned Telephotograph and Facsimile Equipment(1)

A. Regulations

Customer owned telephotograph or facsimile equipment for the transmission and reception of pictures and similar material may be used in connection with Private Line Voice Grade Service under the conditions set forth below:

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

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SERVICES AND RATES

2.2 DESCRIPTION OF SERVICES (Continued)

2.2.4 Customer-owned Telephotograph and Facsimile Equipment(1) (Continued)

A. Regulations (Continued)

1. No direct physical connection of such transmitting or receiving equipment shall be made to the service components furnished by the Telephone Company except where protective connection equipment is provided by the Telephone Company, for this purpose.
2. Regulations set forth in Paragraph 1.6, preceding, insofar as applicable, apply to Private Line Voice Grade Service when used for telephotograph or facsimile transmission.
3. Private Line Telephone Service is not represented as adapted to the telephotographic or facsimile transmission of pictures and similar material. The use of such service by the customer for such transmission is permitted only on the condition that the Telephone Company shall not be responsible to the customer for damages arising out of mistakes, omissions, interruptions, delays or errors or defects in transmission, except those caused by its failure to maintain and operate such service components in a manner proper for telephone service. The liability of the Telephone Company for damages caused by its failure to furnish service components suitable for ordinary telephone services or its failure to maintain and operate such service components in a manner proper for telephone service is as set forth in Paragraph 1.1.3, preceding.

B. Rates

Local channels, interoffice channels, interoffice channel terminals, interexchange channel and interexchange channel terminal charges are as specified in Paragraph 2.2.3, preceding, for Series 400.

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

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SERVICES AND RATES

2.2 DESCRIPTION OF SERVICES (Continued)

2.2.5 Special Bridging Service

A. Split Band Bridging Arrangement

1. Description of Service

This service provides for a four-wire frequency split common port and two-wire multiple port bridging arrangement intended for application in multipoint voice frequency, data or tone signaling networks. Rates for Split Band Bridging Arrangements are set forth in Section 3.2.4(A).

Certain terms used in this Tariff in connection with Special Bridging Service are defined as follows:

Master Station – In connection with Special Bridging Service, the one service point of a multipoint network located on a customer's premises, which communicates with each remote service point.

Remote Station - In connection with Special Bridging Service, one of the many service points on a multipoint network which is connected to the master service point by a bridging arrangement.

Access Line - In connection with Special Bridging service, that dedicated channel or channels connecting the master service point, remote service point or interconnecting service point to a special bridge.

Interconnecting Station - In connection with Special Bridging Service, one of the many service points on a multipoint network which is connected to a special bridge and is provided for connecting two special bridges together through customer-owned and maintained equipment located at a remove service point.

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SERVICES AND RATES

2.2 DESCRIPTION OF SERVICES (Continued)

2.2.5 Special Bridging Service (Continued)

A. Split Band Bridging Arrangement (Continued)

2. Application

Regulations applicable to Split Band Bridging Arrangements, except as otherwise specified below, are in addition to the regulations in other sections of this Tariff.

3. Regulations

- a. Split Band Bridging Arrangements are provided on voice-grade service with a transmission rate normally suitable for 75 baud, but can be utilized with equipment operating at rates up to a maximum of 400 baud.
- b. A maximum of three (3) serving offices, each equipped with a Split Band Bridge, is permitted on a multipoint network.
- c. A maximum of one hundred forty-four (144) remote stations is permitted on a multipoint network.
- d. Remote stations connected to a Split Band Bridge shall be in the same serving office area in which the Split Band Bridge is located, except as provided for in Paragraph 2.2.5, A.3.e., following.
- e. Remote stations may be connected to a Split Band Bridge located in a contiguous serving office area of the same exchange.
- f. Voice grade interoffice (ILMFS) and/or intraLATA interexchange channels (ILHU4) and channel terminals (PINQ1, PINC1) equivalent to Type 420 are required when appropriate between Split Band Bridges and between the Master Station serving office and the Split Band Bridge.

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SERVICES AND RATES

2.2 DESCRIPTION OF SERVICES (Continued)

2.2.5 Special Bridging Service (Continued)

A. Split Band Bridging Arrangement (Continued)

3. Regulations (Continued)

- g. A voice grade bridging charge (BQ7) applies per Split Band Bridge and Master Station, when more than one Split Band Bridge is provided.
- h. Transmission parameters and specifications as specified in Section 2, Paragraph 2.2.2, B are not guaranteed for this service.
- i. Additional points of termination are not provided with Special Bridging Service.

B. Passive Bridging Arrangement

1. Description of Service

This service provides for a network of up to ten passive two-wire tenport bridges. Each bridge is capable of connecting a combination of remote stations, interoffice channels or interbridge connections totaling nine to one master station, interconnect station, interoffice channel or interbridge connection. This service is intended for application in multi-point voice frequency, data or tone signaling networks. Rates for Passive Bridging Arrangement are set forth in 3.2.4(B).

2. Application

Regulations applicable to Passive Bridging Arrangements, except as otherwise specified below, are in addition to the regulations contained in other sections of this Tariff.

3. Regulations

- a. Passive Bridging Arrangements are provided on voice grade service with a transmission rate normally suitable for 75 baud, but can be utilized with equipment operating at rates up to a maximum of 400 baud.

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SERVICES AND RATES

2.2 DESCRIPTION OF SERVICES (Continued)

2.2.5 Special Bridging Service (Continued)

B. Passive Bridging Arrangement (Continued)

3. Regulations (Continued)

- b. A maximum of ten (10) serving offices, each equipped with a Passive Bridge, is permitted on a multi-point network.
- c. A maximum of 90 remote stations is permitted on a multi-point network.
- d. Remote stations connected to a Passive Bridge are limited to the same serving office area in which the Passive Bridge is located.
- e. One Master or Interconnecting Station or an interoffice voice-grade channel is required for each Passive Bridge except as provided for in Paragraph 2.2.5, B.3.f., following.
 - (1) When an interoffice channel is used to connect Passive Bridges, voice grade interoffice and/or intraLATA interexchange channels and channel terminals having rates equivalent to type 423 will apply.
 - (2) When an interoffice channel is used to connect Passive Bridges, mileage will be determined in the order that the Passive Bridges are connected.
- f. When more than one passive bridge is provided on a multipoint service in the same serving office, an interbridge connection charge applies to each subsequent bridge provided. This arrangement cannot be provided if two-way transmission is required.
- g. All equipment located at a remote station required for connecting a Remote Station access line to an Interconnecting Station access line is to be provided by the customer.

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SERVICES AND RATES

2.2 DESCRIPTION OF SERVICES (Continued)

2.2.5 Special Bridging Service (Continued)

B. Passive Bridging Arrangement (Continued)

3. Regulations (Continued)

- h. Voice-grade interoffice (1LMFS) and/or intraLATA interexchange (1LHU4) channels and channel terminals (PINQ1, PINC1) equivalent to Type 423 are required when appropriate between the Master Station serving office and the Passive Bridge and between the Interconnecting Station serving office and the Passive Bridge it is connected to.
- i. Service can be provided under two circuit configurations as follows:
 - (1) Data collective system provides one-way transmission from Remote Stations to the Master Station and is designed to provide an end-to-end loss of 16dB relative to 1000 Hz.
 - (2) Data polling system provides two-way transmission between the Master or Interconnect Station and Remote Stations and is designed to provide to end-to-end loss of 38 dB relative to 1000 Hz.
- j. Transmission Parameters and Specifications as specified in Paragraph 2.2.3, B are not guaranteed for this service.
- k. Additional points of termination are not provided with Special Bridging Service.

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SERVICES AND RATES

2.2 DESCRIPTION OF SERVICES (Continued)

2.2.6 Signaling.

A. Rules and Regulations

1. The type A, B and C Loop Signaling Arrangements 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 Commission's Rules and Regulations.
2. For connections to registered PBX (or similar) equipment, customers 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 signaling capability be provided by the Telephone Company. Where this option is selected, the customer must specify his/her equipment signaling capability.
4. Based on information provided by the customer, the Telephone 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 Telephone Company, to furnish another signaling arrangement, such request will be treated as a new request for service and appropriate non-recurring charges will apply.

B. Rates

1. Signaling options and associated rates are shown in Section 3.2.5 following.

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SERVICE AND RATES

3.1 GENERAL

3.1.1 This Section of this Tariff sets forth the rates and charges for services described in Section 2.

- A. Cross reference to Section numbers are listed down the right column of each rate page.
- B. Rate application is set forth in Section 2 of this Tariff.

3.2 RATES

3.2.1 Special Signaling Service-Series 100

- A. Rates-IntraLATA Interexchange

	<u>Monthly Rate</u>	<u>Service Charge</u>	<u>Tariff Ref.</u>
1. Local Channel, each per first termination on a premises			
Type 102 (1L3QY) (1LMCY)	\$ 17.65	\$240.00	2.2.1
2. Interoffice Channel, each V-H mile, or fraction thereof			
Type 102 (1L3QS (1LMCS)	.50	None	2.2.1
3. Interoffice Channel Terminal, per terminal (Two required per interoffice channel)			
Type 102 (OXNTS) (OXNSS)	\$11.10	None	2.2.1

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SERVICE AND RATES**3.2 RATES (Continued)****3.2.1 Special Signaling Service-Series 100 (Continued)****A. Rates-IntraLATA Interexchange (Continued)**

	<u>Monthly Rate</u>		<u>Tariff</u> <u>Ref.</u>
	<u>0 to 250 miles each mile</u>	<u>Each additional mile over 250</u>	
4. Interexchange Channel, per V-H mile or fraction thereof			
Type 102 (1L3Q4) (1LMC4)	\$ 3.65	\$ 1.00	2.2.1
	<u>Monthly Rate</u>	<u>Service Charge</u>	
5. Interexchange Channel terminal, each (two required per inter-exchange channel)			
Type 102 (0XN3S) (0XN2S)	33.65	None	2.2.1
6. 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 (1L3QK) (1LMCK)	4.00	75.00(2)	2.2.1
Additional 1/10 mile	0.55		
7. Each additional point of termination of a local channel in the same building (1)(3)			
Type 102 (1L3QA) (1LMCA)	2.45	75.00(2)	2.2.1

(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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SERVICE AND RATES**3.2 RATES (Continued)****3.2.2 Sub-Voice Grade Service-Series 200****A. Rates-IntraLATA Interexchange**

	<u>HALF DUPLEX</u>	<u>DUPLEX</u>	<u>Service Charge</u>	<u>Tariff Ref.</u>
	<u>Monthly Rate</u>	<u>Monthly Rate</u>		
1. Local Channel, each, per first termination on a premises				
Type 250.....	\$23.65 (1LYDY, 1L6BY, 1L3AY, 1LMFY)	\$41.20 (1LYKY, 1L6DY, 1L3CY, 1LMDY)	\$300.00	2.2.2
Type 251.....	43.85 (1LYDY, 1L6BY, 1L3AY, 1LMFY)	59.90 (1LYKY, 1L6DY, 1L3CY, 1LMDY)	300.00	2.2.2
2. Interoffice Channel, each V-H mile, or fraction thereof, per channel				
Type 250.....	\$3.80 (1LYDS, 1L3AS, 1L6BS, 1LMFS)	\$6.75 (1LYKS, 1L3CS, 1L6DS, 1LMDS)	None	2.2.2
Type 251.....	3.80 (1LYDS, 1L3AS, 1L6BS, 1LMFS)	6.75 (1LYKS, 1L3CS, 1L6DS, 1LMDS)	None	2.2.2
3. Interoffice Channel Terminal, per terminal (two required for each interoffice channel)				
Type 250...(01N5S)	7.00	7.00 (01N6S)	None	2.2.2
Type 251...(01N5S)	3.45	3.45 (01N6S)	None	2.2.2

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SERVICE AND RATES**3.2 RATES (Continued)****3.2.2 Sub-Voice Grade Service-Series 200 (Continued)****A. Rates-IntraLATA Interexchange (Continued)**

	HALF DUPLEX		DUPLEX		Tariff Ref.
	<u>Monthly Rate</u>		<u>Monthly Rate</u>		
	0 to 250 miles <u>each mile</u>	Each Add. Mile over <u>250</u>	0 to 250 miles <u>each mile</u>	Each Add. mile over <u>250</u>	
4. Interexchange Channel, each V-H mile or fraction thereof					
Type 250	\$1.80 (1LYK4, 1L3C4, 1L6D4, 1LMD4)	\$0.90	\$1.80 1LYD4, 1L3A4, 1L6A4, 1LMF4)	\$0.90	2.2.2
Type 251	2.45 (1LYK4, 1L3C4, 1L6D4, 1LMD4)	1.50	2.45 (1LYD4, 1L3A4, 1L6A4, 1LMF4)	1.50	2.2.2
	HALF DUPLEX		DUPLEX		Tariff Ref.
	<u>Monthly Rate</u>		<u>Monthly Rate</u>		
5. Interexchange Channel Terminal, per terminal (two required per interexchange channel)				Service <u>Charge</u>	
Type 250.....	(01N2S) \$40.85		\$41.75 (01N3S)		2.2.2
Type 251.....	(01N2S) \$38.15		38.15 (01N3S)		2.2.2

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SERVICE AND RATES**3.2 RATES (Continued)****3.2.2 Sub-Voice Grade Service-Series 200 (Continued)****A. Rates-IntraLATA Interexchange (Continued)**

	<u>HALF DUPLEX</u>	<u>DUPLEX</u>	<u>Service Charge</u>	<u>Tariff Ref.</u>
	<u>Monthly Rate</u>	<u>Monthly Rate</u>		
6. 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.....	\$18.15 (1LYDK, 1L3AK, 1L6BK, 1LMFK)	\$18.15 (1LYKK, 1L3CK, 1L6DK, 1LMDK)	\$130.00(3)	2.2.2
Additional 1/10 mile	0.60	1.15		
7. Each additional point of termination of a local channel in same building (1)(2)(4)				
Type 250.....(W1W)	15.75	15.75 (W2W)	130.00(3)	2.2.2

- (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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SERVICE AND RATES

3.2 RATES (Continued)

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

A. Rates-IntraLATA Interexchange

		<u>Monthly Rate</u>	<u>Service Charge</u>	<u>Tariff Ref.</u>
1. Local Channel, each, per first termination on a premises				
Type 311	(1LPAY) (1LIOY) (1L3AY) (1LLBY)	\$39.40	\$280.00	2.2.3
Type 312	(1LPRY) (1LVRY)	61.25	270.00	2.2.3
Type 314A	(1LTAY)	83.35	340.00	2.2.3
Type 414B	(1LTBY)	96.30	560.00	2.2.3
Type 420	(1LMDY) (1L6CY) (1LLCY)	63.45	290.00	2.2.3
Type 422	(1LMFY) (1L6AY) (1LLDY)	63.45	290.00	2.2.3
Type 423	(1LMGY)	32.95	280.00	2.2.3
Type 424	(1LMHY)	61.70	340.00	2.2.3
Type 425	(1LMJY)	45.85	270.00	2.2.3
Type 428	(1LMKY)	43.55	270.00	2.2.3
2. Interoffice Channel, each V-H mile, or fraction thereof, per channel (1LHBS) (1LJKS) (1LPJS) (1LTBS) (1L1OS) (1L3AS) (1L6BS) (1L6DS) (1LMFS) (1LVRS)		7.55	None	2.2.3
3. Interoffice Channel Terminal, per terminal (two required per interoffice channel) (PMNSS) (PMNFX)		4.35	None	2.2.3

(1) Obsolete – Applicable to existing service installations at existing locations for existing customers.

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SERVICE AND RATES**3.2 RATES (Continued)****3.2.3 Voice Grade Service-Series 300(1) and Series 400 (Continued)****A. Rates-IntraLATA Interexchange (Continued)**

	<u>Monthly Rate</u>		<u>Tariff Ref.</u>
	<u>0 to 250 miles each mile</u>	<u>Each additional mile over 250</u>	
4. Interexchange Channel, each V-H mile, or fraction thereof (1LHU4)	\$4.10	\$1.05	2.2.3
5. Interexchange Channel Terminal, per terminal (two required per interexchange channel)			

	<u>Monthly Rate</u>	<u>Service Charge</u>	<u>Tariff Ref.</u>
Type 311 (P1NA1)	\$27.90	None	2.2.3
Type 312 (P1NB1) (P1ND1)	27.90	None	2.2.3
Type 314 (P1NG1)	27.90	None	2.2.3
Type 414B (P1NH1)	27.90	None	2.2.3
Type 420 (P1NQ1) (P1NC1)	27.90	None	2.2.3
Type 422 (P1NR1) (P1NE1)	27.90	None	2.2.3
Type 423 (P1NS1)	27.90	None	2.2.3
Type 424 (P1NT1)	27.90	None	2.2.3
Type 425 (P1NU1)	27.90	None	2.2.3
Type 428 (P1NV1)	27.90	None	2.2.3
Foreign Exchange (P1NF4)	27.90	None	2.2.3

	<u>Monthly Rate</u>	
6. Bridging Charge, (multi-point service), per bridged channel (BQ7)	\$7.55	2.2.5

(1) Obsolete – Applicable to existing service installations at existing locations for existing customers.

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SERVICE AND RATES

3.2 RATES (Continued)

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

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

	<u>Monthly Rate</u>	<u>Service Charge</u>	<u>Tariff Ref.</u>
1. Type C1			
- Two point not arranged for switching, per service point (P2W)	\$9.40	\$80.00	2.2.3
- Two point arranged for switching to another two-point channel, per service point (P2X)	17.00	80.00	2.2.3
- Multi point-channel, per service point (P3G)	18.80	80.00	2.2.3
2. Type C2			
- Two point not arranged for switching, per service point (P3HC2)	37.70	80.80	2.2.3
- Two point arranged for switching per service point (P3J)	56.45	80.00	2.2.3
- Multi-point channel, per service point (PH9)	56.45	80.00	2.2.3
3. Type C4			
-Two-Point channel, per service point (P4G)	65.80	80.00	2.2.3
- Three or Four-point channel, per service point (6DU)	84.70	80.00	2.2.3

(1) Obsolete – Applicable to existing service installations at existing locations for existing customers.

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SERVICE AND RATES

3.2 RATES (Continued)

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

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

	<u>Monthly Rate</u>	<u>Service Charge</u>	<u>Tariff Ref.</u>
4. Type C5			
- On a two-point channel not arranged for switching, per service point (UHD)	94.10	80.00	2.2.3
5. Type D1			
- Two-point channel not arranged for switching, per service point (QHA)	11.35	80.00	2.2.3

C. Foreign Exchange Service

Point of Termination in one foreign exchange (2) between exchanges 0-20 miles apart (T21)	61.10	410.00	2.2.3
Between exchanges over 20 miles apart (T22)	70.70	410.00	2.2.3
Point of Termination in two foreign exchanges (T1S)(3)	109.95	410.00	2.2.3

D. Foreign Serving Office Service

Point of Termination in one foreign serving office (2) (T21SFS)	None	180.00	2.2.3
Point of Termination in two foreign serving offices(3) (T1SFS)	13.35	180.00	2.2.3

- (1) Obsolete – Applicable to existing service installations at existing locations for existing customers.
(2) In addition, Private Line Charges as set forth in this Tariff apply between the serving office of the customer premises and the serving office from which the exchange service is provided.
(3) Local channel charges do not apply to the main station and one extension.

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SERVICE AND RATES

3.2 RATES (Continued)

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

D. Foreign Serving Office Service (Continued)

	<u>Monthly Rate</u>	<u>Service Charge</u>	<u>Tariff Ref.</u>
Interoffice Channel Terminal, each (two required per interoffice channel) (PMNFS)	\$14.10	None	2.2.3

3.2.4 Special Bridging Service

A. Split Band Arrangement

1. Rates

a. Special bridge and common equipment(2)

- Maximum of 48 remote stations (BMC48)	\$47.80	None	2.2.5
- Maximum of 95 remote stations (BMC95)	71.75	None	2.2.5

b. Access Lines

- Master Station (1LM4Y)	Equivalent to Type 420
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(1) Obsolete – Applicable to existing service installations at existing locations for existing customers.

(2) Customer must specify, transmit and receive frequency of Master Station.

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SERVICE AND RATES

3.2 RATES (Continued)

3.2.4 Special Bridging Service (Continued)

A. Split Band Arrangement (Continued)

1. Rates (Continued)

	<u>Monthly Rate</u>	<u>Service Charge</u>	<u>Tariff Ref.</u>
c. Remote Station Connection - Per Remote Station (BMD)	\$5.90	None	2.2.5

B. Passive Bridging Arrangement

1. Rates

a. Passive Bridging Arrangement Capable of Connecting 10 Access Lines (BMC10)(1)	9.00	None	2.2.5
b. Access Lines			
- Master Station (1LM3Y)	Equivalent to Type 423		
- Remote Station			
- Interconnecting Station (1LM2Y)	Equivalent to Type 423		
c. Access Line Connection			
- Per Access Line (BT7)	3.20	None	2.2.5
d. Interbridge Connection (MF7)	4.95	None	2.2.5

(1) Customer to specify either 16dB or 38 dB loss, relative to 1000 Hz, between master or interconnecting stations and remote station.

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SERVICE AND RATES**3.2 RATES (Continued)****3.2.5 Signaling****A. Signaling Options**

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

	<u>Monthly Rate</u>	<u>Service Charge</u>	<u>Tariff Ref.</u>
a. IntraLATA Interexchange			
-Manual (J1B)(2)	\$26.25	\$65.00	2.2.6
-Automatic (J1A)(3)	27.90	65.00	2.2.6

2. Signaling Options per point of termination for the capability to accommodate signaling on Private Line Service utilizing type 400 Local Channels indicated below. Signaling is limited to a two-point service only.

a. IntraLATA Interexchange arranged for E&M Type signaling			
-Type 420 (SLM20)(1)	\$20.25	\$65.00	2.2.6
-Type 422 (SLM22)(1)	20.25	65.00	2.2.6
-Type 423 (SLM23)(1)	21.30	65.00	2.2.6
-Type 424 (SLM24)	21.60	65.00(4)	2.2.6
-Type 425 (SLM25)(1)	21.60	65.00	2.2.6
-Type 428 (SLM28)(1)	21.60	65.00	2.2.6
Arranged for Loop signaling, a maximum of 1300 ohms.			
-Type 420 (SLL20)(1)	33.25	65.00	2.2.6
-Type 422 (SLL22)(1)	33.25	65.00	2.2.6
-Type 423 (SLL23)(1)	34.15	65.00	2.2.6
-Type 428 (SLL28)	17.55	65.00(4)	2.2.6
Arranged for Loop Signaling, per customer requested ohm maximum			
-Type 428 (SLLC8)	21.60	65.00(4)	2.2.6

- (1) Obsolete – Applicable to existing service installations at existing locations for existing customers.
- (2) Manual signaling for multipoint channels is available on Type 425 and 435 local channels only. Any other existing applications should be considered obsolete-applicable to existing service installations at existing locations for existing customers.
- (3) Automatic signaling is not available for multipoint. Any other existing applications should be considered obsolete-applicable to existing service installations at existing locations for existing customers.
- (4) Service Charge applies only if the signaling option is installed subsequent to initial installation for the local channel.

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SERVICE AND RATES

3.2 RATES (Continued)

3.2.5 Signaling (Continued)

A. Signaling Options (Continued)

3. Interexchange Intralata Type A, B and C Signaling Arrangements

	<u>Monthly Rate</u>	<u>Service Charge</u>	<u>Tariff Ref.</u>
Loop Signaling Options per Local Channel on Type 428 when associated with station ports of a premises switching system			
Type A capable of operation over loops with resistance in the range of 0-199 ohms (SALAS)	\$8.40	\$30.00(1)	2.2.6
Type B capable of operation over loops with resistance in the range of 200-899 ohms (SAUBS)	8.70	30.00(1)	2.2.6
Type C capable of operation over loops with resistance in the range of 900 ohms or more (SAYCS)	3.55	1.05(1)	2.2.6

The DC resistance specification does not imply a guaranteed end-to end DC continuity. The customer can expect to be provided a loop meeting the same limits as the normal central office loop (i.e., not exceeding 1300 ohms) exclusive of 200 ohm maximum terminal equipment resistance.

(1) The Service Charge applies only if the signaling option is installed subsequent to initial installation of the local channel.

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SERVICE AND RATES

3.2 RATES (Continued)

3.2.6 Miscellaneous Charges

	<u>Service Charge</u>	<u>Tariff Ref.</u>
A. Customer Owned Equipment Trouble Isolation Charge, per repair visit	\$25.00	1.6.1(B)
B. Institutional Program for Premises Wiring Charge		
1 – Element 1 (EPC1E)	35.05	1.6.1(B)
2 – Element 2 (EPCAE)	8.15	1.6.1(B)
C. Restoration Priority Change - Per Private Line Service	21.60	1.4.10