

**GTE MIDWEST,  
INC.**

**(f/k/a GTE NORTH,  
INC.)**

**PSC MO NO. 21**

**RECEIVED**ADOPTION NOTICE**MAR 16 1993**GTE MIDWEST INCORPORATED**MISSOURI**DIGITAL DATA TRANSMISSION SERVICE TARIFF**Public Service Commission**

GTE MIDWEST INCORPORATED, a Delaware Corporation, hereby adopts, ratifies, and makes its own, in every respect as if the same had been originally filed by it, all schedules, rules, notices, concurrences, schedule agreements, divisions, authorities or other instruments whatsoever, filed with the Public Service Commission, State of Missouri, by GTE North Incorporated prior to April 1, 1993, the beginning of its possession.

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

This Tariff applies to the Digital Data Transmission Service of GTE MIDWEST INCORPORATED, hereinafter referred to as the Company, for the Missouri customers in the following exchanges:

Amazonia	Cosby	Kingston	Rosendale
Ashland	Crane	Lawson	Savannah
Ava	Easton	Lowry City	Stewartsville
Avenue City	Fillmore	Macon	Sturgeon
Bolckow	Gower	Mansfield	Trimble
Braymer	Hallsville	Maysville	Turney
Cameron	Hamilton	Memphis	Unionville
Centralia	Harrisburg	Osborn	Wayland
Clark	Helena	Osceola	Weaubleau
Clarksdale	Humansville	Plattsburg	Whitesville
Collins	Kahoka	Queen City	
Columbia	Kidder	Rocheport	

For administrative purposes, subsequent tariff filings made by the Company will be identified in the upper left hand corner of the tariff sheet as GTE MIDWEST INCORPORATED (former GTE North Incorporated).

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Gerald D. Harris  
Regional Director-External Affairs  
Wentzville, Missouri

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## DIGITAL DATA TRANSMISSION SERVICE

Regulations, Rates and Charges  
applying to the provision of the above service  
for customers within the operating territories of  
GTE NORTH INCORPORATED,  
hereinafter referred to as the Company

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This Tariff is applicable to the following GTE NORTH INCORPORATED exchanges  
for Digital Data Transmission Service:

Amazonia	Cosby	Kingston	Rosendale
Ashland	Crane	Lawson	Savannah
Ava	Easton	Lowry City	Stewartsville
Avenue City	Fillmore	Macon	Sturgeon
Bolckow	Gower	Mansfield	Trimble
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Cameron	Hamilton	Memphis	Unionville
Centralia	Harrisburg	Osborn	Wayland
Clark	Helena	Osceola	Weaubleau
Clarksdale	Humansville	Plattsburg	Whitesville
Collins	Kahoka	Queen City	
Columbia	Kidder	Rochepoort	

Explanation of Symbols

The following symbols are applicable to all sections of this Tariff:

- (C) Change in listing regulation or condition which may affect a rate or charge.
- (D) Discontinued rate, charge, regulation or condition.
- (I) Increase in rate or charge.
- (M) Matter relocated.
- (N) New rate, charge, regulation or condition.
- (T) Changed text with no effect on rate, charge, regulation or condition.
- (R) Reduction in rate or charge.

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## DIGITAL DATA TRANSMISSION SERVICE

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## DIGITAL DATA TRANSMISSION SERVICE

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1. General Regulations1.1 Undertaking of the Company

MO. PUBLIC SERVICE COMMISSION

1.1.1 Scope

- (A) This Tariff section contains the general regulations and definitions governing Digital Data Transmission Service furnished by the Company.
- (B) Digital Data Transmission Service is the furnishing of Company service components for communication between specified locations all within Local Transport and Access Areas (LATA's) of the State of Missouri 24 hours daily, seven days per week. Service components may be those of the Company only or those of the Company and other companies.
- (C) The Company does not undertake to transmit messages, but offers the use of its service components, where available, to customers for such purposes.

1.1.2 Limitations

- (A) The use and restoration of service shall be in accordance with the Federal Communications Commission's Rules and Regulations which specifies the priority system for such activities.
- (B) The furnishing of service under this Tariff will require certain physical arrangements of the service components of the Company and is, therefore, subject to the availability of such service components.
- (C) Digital Data Transmission Service may be limited in order to comply with orders issued under wartime authority of the President of the United States.

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1. General Regulations (Cont'd)1.1 Undertaking of the Company (Cont'd)1.1.3 Liability

- (A) The Company shall not be liable for damages arising out of mistakes, omissions, interruptions, delays or errors or defects in transmission occurring in the course of furnishing service hereunder where the same is caused by the negligence of the customer or user. Any liability of the Company for damages arising out of any of the foregoing or for failing to maintain proper standards of maintenance and operation or for failing to exercise reasonable supervision shall, in no event, exceed an amount equivalent to the proportionate charge to the customer for the period of service during which such mistake, omission, interruption, delay or error or defect in transmission occurs.
- (B) The Company shall be indemnified and saved harmless by the customer or user against:
- (1) Claims for libel, slander and infringement of copyright arising from the material transmitted over the service components;
  - (2) Claims for infringement of patents arising from combining with, or using in connection with, service components furnished by the Company, apparatus and systems of the customer or user; and
  - (3) All other claims arising out of any act of omission of the customer or user in connection with the service components provided by the Company.

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1. General Regulations (Cont'd)1.1 Undertaking of the Company (Cont'd)1.1.3 Liability (Cont'd)

- (C) The Company does not guarantee nor make any warranty with respect to service components provided by it for use in an explosive atmosphere. The customer or user indemnifies and holds the Company harmless from any and all loss, claims, demands, suits or other action or any liability whatsoever, whether suffered, made, instituted or asserted by the customer or user 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 Company will 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.

- (D) The Company is not liable for any defacement of or damage to the premises of a customer (or user) resulting from the furnishing of channel service components or the attachment of the associated wiring furnished by the Company on such premises or by the installation or removal thereof, when such defacement or damage is not the result of negligence of the agents or employees of the Company.

1.1.4 Provision of Service Components

- (A) The Company will provide all service components necessary for Digital Data Transmission Service up to the demarcation point (interface) of the channel. The customer will be responsible for providing his own terminal equipment, customer-provided derivation equipment or communications system for use with such service as specified in this Tariff.

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1. General Regulations (Cont'd)1.1 Undertaking of the Company (Cont'd)

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1.1.4 Provision of Service Components (Cont'd)

(B) Digital Data Transmission Service furnished by the Company will be provided at the rates contained in this Tariff where service components and operating conditions permit. Where service components are not available and unusual expenditures are involved in making them available, the customer may be required to pay additional charges to cover the unusual expenditure in accordance with Paragraph 1.4.4 of this Tariff, or contract beyond the initial period, or both.

(C) The charges specified in this Tariff do not contemplate installation, maintenance or repair work being performed by the 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 days, or on holidays, or interrupts work once begun, an additional charge based on the additional costs involved applies. Such charges do not apply if sufficient advance notice is given so that employees' work schedules can be changed. The additional charge does not apply to overtime or premium time worked at the Company's convenience.

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

(D) When the customer requires the modification of standard service components not otherwise provided in this Tariff, the modification can be furnished by the Company at additional rates and charges, provided the modification is in connection with and not detrimental to any of the services furnished in this Tariff.

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1. General Regulations (Cont'd)

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1.1 Undertaking of the Company (Cont'd)

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1.1.5 Service Guarantee

This service is guaranteed to provide an average performance of at least 99.5 percent error-free seconds up to the demarcation point (interface) of the channel for operation at all transmission speeds offered in this Tariff. When Digital Data Transmission Service is operating at an error performance level that is unsatisfactory to the customer, and the Company determines that the error performance level is below that specified above, the period of substandard performance will be considered as an interruption, and a credit allowance will be made in accordance with provisions in Paragraph 1.4.8 (C) of this Tariff. All such credit allowances shall begin from the time of notice by the customer or user to the Company that an unsatisfactory performance level has occurred, provided that the customer promptly releases the service as requested by the Company to perform testing and maintenance.

1.2 Use

Digital Data Transmission Service may be used for the purposes specified in Paragraph 1.2.1, following.

1.2.1 Authorized Use

- (A) Digital Data Transmission Service may be used for transmission of communications relating directly to the business of the subsidiary corporations over which the customer exercises control through the ownership of more than 50 percent of the voting stock.

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1. General Regulations (Cont'd)1.2 Use (Cont'd)

MO. PUBLIC SERVICE COMM.

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 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 to Others

Digital Data Transmission Service shall not be used for any purpose for which payment or other consideration, direct or indirect, shall be received by the customer. The foregoing does not apply to a Composite Data Service Vendor's premises where one type of service may be provided for the exclusive use of the Composite Data Service Vendor's management or employees and other type of service may be provided for the use of the Composite Data Service Vendor as defined in the Federal Communications Commission's Rules and Regulations.

1.2.4 Shared Use

- (A) A user must have a service point on the service, and the service point must be located on the premises of the user and connected to the service by means of a separate access channel, except that these requirements do not apply to a user of a service with respect to his use of digital bit streams created by customer- (or user-) provided derivation equipment, provided the customer or user has a service point on the line connected to such equipment in accordance with Paragraph 1.6.2, following.

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1. General Regulations (Cont'd)

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1.2 Use (Cont'd)1.2.4 Shared Use (Cont'd)

(B) The Company shall not be responsible for the manner in which the use of service will be allocated. Orders which involve the start, rearrangement, release or discontinuance of service will be accepted by the Company only from the customer.

(C) The charges for Digital Data Transmission Service shall be determined as provided in this Tariff, and all charges for the service will be billed to the customer. The charges allocated by the customer for Digital Data Transmission Service shall not exceed the total charge billed to the customer by the Company.

1.3 Obligations of the Customer1.3.1 Customer Responsibilities

The customer shall be responsible for:

- (A) Damages to service components of the Company caused by the negligence or willful act of the customer and not due to ordinary wear and tear or other causes beyond the control of the customer.
- (B) Reimbursing the Company for any loss through theft of the service components on the customer's premises.
- (C) The provision, installation and maintenance of sealed conduit with explosive-proof fittings between service components furnished by the Company in explosive atmospheres and points outside the hazardous area where connection may be made with regular service components of the Company and may be required to install and maintain Company service components within the hazardous area if, in the opinion of the Company, injury or damage to Company employees or property might result from installation or maintenance by the Company.

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1. General Regulations (Cont'd)1.3 Obligations of the Customer (Cont'd)

MO. PUBLIC SERVICE COMM.

1.3.1 Customer Responsibilities (Cont'd)

(D) Obtaining permission for Company agents or employees to enter the premises of the customer at any reasonable hour for the purpose of installing, inspecting, repairing or, upon termination of the service, removing the service components of the Company.

(E) Service components on the customer's premises shall be and remain the property of the Company.

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 or wiring installed by the Company, except upon the written consent of the Company.

1.3.3 Transfer of Service

Service furnished to 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 nonrecurring charges if the service is assumed exactly as provided to the previous customer.

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## DIGITAL DATA TRANSMISSION SERVICE

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1. General Regulations (Cont'd)1.4 Payment Arrangements and Credit Allowances1.4.1 Payment of Charges and Deposits(A) Advance Payments

Applicants for service who have no account with the Company or whose financial responsibility is not a matter of general knowledge, may be required to make an advance payment at the time an application for service is placed with the Company, equal to the nonrecurring charges, if applicable, and at least one month's charges for the service provided. The amount of the advance payment is credited to the customer's account as applying to any indebtedness of the customer for the service furnished.

(B) Payment for Service

The customer is responsible for payment of all charges as specified in this Tariff for services furnished the customer. Nonrecurring charges are payable upon request.

(C) Deposits

The Company may require an applicant or a present customer to post a deposit in accordance with the provisions of the General Regulations Applying to Establishment and Furnishing of Service in Section 2 of the Local Exchange Tariff.

1.4.2 Cancellation for Cause

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

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## DIGITAL DATA TRANSMISSION SERVICE

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1. General Regulations (Cont'd)

MO. PUBLIC SERVICE COM.

1.4 Payment Arrangements and Credit Allowances (Cont'd)1.4.3. Minimum and Fractional Rates and Charges

- (A) The minimum service period is one month, except when the cost of special construction is such as to necessitate a longer contract period.
- (B) If the period of use exceeds one month, the charges for the fractional part of a month following and consecutive with a full month will be a proportionate part of the monthly charges based on the actual number of days the service components are furnished. For the purpose of administering this regulation with respect to the determination of charges for a fractional part of a month, every month is considered to have 30 days.

The applicable charges for a Digital Data Transmission Service, or any component thereof, including additions to an existing service, shall commence on the day after service is furnished and will continue to accrue through and include the day on which such service is discontinued.

When an existing Digital Data Transmission Service, or any component thereof, is changed or rearranged at the request of the customer without the addition of service components, access lines or channels, any revision in charges necessitated thereby shall commence on the same day that the change or rearrangement is completed.

- (C) In applying a rate involving a fraction of a cent, the fraction is carried through the entire computation of the charge for the service. When the charge so computed includes a fraction of a cent, a fraction of less than one-half cent is disregarded and a fraction of one-half cent or more is treated as one cent.

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1. General Regulations (Cont'd)

MO. PUBLIC SERVICE COMM.

1.4 Payment Arrangements and Credit Allowances (Cont'd)1.4.4 Special Construction

- (A) Rates and charges for special construction will be based on estimated costs incurred by the Company and may include: (1) nonrecurring-type charges, (2) recurring-type charges, (3) termination liabilities, (4) or combination thereof. Special construction rates and charges are in addition to rates and charges for Digital Data Transmission Service in this Tariff.
- (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 Company would normally utilize in the furnishing of its services.
  - (3) Over a route other than that which the Company would normally utilize in the furnishing of its services.
  - (4) In a quantity greater than that which the Company would normally construct to serve the customer's needs.
  - (5) On a temporary basis until permanent service components are available.
  - (6) Involving abnormal costs.
  - (7) In advance of its normal construction on an expedited basis.

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## DIGITAL DATA TRANSMISSION SERVICE

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1. General Regulations (Cont'd)1.4 Payment Arrangements and Credit Allowances (Cont'd) MO. PUBLIC SERVICE COMM.1.4.4 Special Construction (Cont'd)

- (C) Where special construction of service components has been started prior to the cancellation, and there is no other requirement for the specially constructed service components, a charge equal to the costs incurred in the special construction, less net salvage, applies, except that where one or more, but not all, of the services involved in the special construction are canceled, a charge equal to the cost, less net salvage, incurred for the discontinued services applies instead. Net salvage is determined based on the value of reusable material, less cost of removal. In determining the charge, each canceled service is treated as discontinued as of the date on which it was to have been placed in service.
- (D) Installation or special construction of service components for a customer is considered to have started when the Company incurs any expense in connection therewith, or in preparation therefore, which would not otherwise have been incurred; provided the customer has advised the Company to proceed with the installation or special construction.
- (E) No charge applies where special construction has been started prior to cancellation, and it is determined by the Company that there is another requirement for the service components.
- (F) No charge applies where the applicant cancels an application for service prior to the start of special construction of service components.

1.4.5 Change in Service Arrangement

The nonrecurring charge for the applicable operating speed applies when the customer requests a change in service arrangement that results in a change in operation of the service components provided by the Company.

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## DIGITAL DATA TRANSMISSION SERVICE

EXHIBIT

NOV 30 1992

1. General Regulations (Cont'd)

MO. PUBLIC SERVICE COMM.

1.4 Payment Arrangements and Credit Allowances (Cont'd)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 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 Allowance for Interruptions

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

- (A) No credit is allowed for interruption of less than 24 hours (except for interruptions pursuant to Temporary Surrender of Service). Credit is allowed for the proportionate part of the monthly charge in multiples of one day for each 24 hours of interruption for the portion of the service rendered inoperative.
- (B) For purposes of administering this regulation with respect to the determination of allowances for a proportionate part of a month, every month is considered to have 30 days.

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1. General Regulations (Cont'd)1.4 Payment Arrangements and Credit Allowances (Cont'd)

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1.4.8 Allowances for Interruptions (Cont'd)

- (C) For periods of substandard performance as specified in Paragraph 1.1.5 of this Tariff, credit allowance from the time of notice by the customer shall be provided as follows:

<u>Length of Interruptions</u>	<u>Credit</u>	CANCELLED
Less than 30 minutes	None	
30 minutes up to 2 hours	1/10 day	SEP 15 1994
3 hours up to 6 hours	1/5 day	93 - 1
6 hours up to 9 hours	2/5 day	BY
9 hours up to 12 hours	3/5 day	Public Service Commission
Over 12 hours	One day	MISSOURI

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 (A) or (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 service ordered by the customer is provided in this Tariff plus the full amount of any termination charges applicable.
- (C) Installation of service components for a customer is considered to have started when the Company incurs any expense, including engineering, in connection therewith, or in preparation therefore, which would not otherwise have been incurred, provided the customer has placed an order with the Company for provision of service.

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## DIGITAL DATA TRANSMISSION SERVICE

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1. General Regulations (Cont'd)

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1.5 Definitions

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Company - Contel of Missouri, Public Service Commission  
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Accessories - Devices which are mechanically attached to, or used with, the service components furnished by the Company and which are independent of, and not electrically, acoustically or inductively connected to the conductors in the communications path of the Company service components.

Bit - The smallest unit of information in the binary system of notation.

Channel - A path (or paths) for intraLATA digital transmission between a customer's premises and a Digital Hub, or between Digital Hubs. A channel is comprised of local distribution and interoffice sections as required. A channel may be furnished in such manner as the Company may elect, whether by wire, radio or a combination thereof and whether or not by means of a single physical facility or route.

Channel Service Unit - Denotes service components provided by the customer to terminate Digital Data Transmission Service at a customer's premises.

Composite Data Service - The combined use of terminal and data switching equipment provided by a Composite Data Service Vendor with the use of telecommunications services of the Company to perform data switching for others.

Composite Data Service Vendor - A customer that has been certified by the proper state or municipal regulatory body, and/or the Federal Communications Commission pursuant to Section 214 of the Communications Act of 1934, as amended, to acquire and operate service components to perform data switching for others. A customer shall be classified as a Composite Data Service Vendor only with respect to use of those exchange services which are utilized for the provision of Composite Data Service.

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## DIGITAL DATA TRANSMISSION SERVICE

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MISSOURI1. General Regulations (Cont'd)1.5 Definitions (Cont'd)

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

Customer - The person, firm or corporation which orders service and is responsible for the payment of charges and compliance with Company regulations. A customer for Digital Data Transmission Service must have a communication requirement of his own for its use, except where:

- The customer is a Composite Data Service Vendor; or
- The service is provided for the transmission of communications relating directly to the business of a subsidiary corporation over which the customer exercises control through ownership of more than 50 percent of the voting stock; or
- The customer for Digital Data Transmission Service orders the addition of service points to meet the communications requirements of a user of such service and such additional service points are required.

Customer-Provided Communications System - Denotes facilities provided by a customer or user which are capable, when not connected to Digital Data Transmission Service, of communications between customer-provided terminal equipment.

Customer Premises Equipment - Communications devices, apparatus and their associated wiring provided by a customer or user which do not constitute a communications system.

Data Service Unit - A service component which performs the processing functions, such as coding and decoding of signals, timing recovery, synchronous sampling, formatting and the generation and recognition of control signals. The Data Service Unit is not a component of Digital Data Transmission Service and is considered Customer Premises Equipment.

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## DIGITAL DATA TRANSMISSION SERVICE

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1. General Regulations (Cont'd)

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MO. PUBLIC SERVICE COMM.

1.5 Definitions (Cont'd)

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Data Switching - As used in connection with Composite Data Service, denotes the switching of data (non-voice) messages by the interchange, controlling and routing of data messages between two or more service points via communications service components wherein the information content of the message remains unaltered.

Digital Hub - Designated Company office where Digital Data Transmission Service channels are interconnected. Synchronous network timing, testing access and Additional Service Features are provided at the Digital Hub.

Duplex - An operation which permits customers to communicate in both directions simultaneously.

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

Interface - Denotes that point at the premises of the customer at which provision is made for connection of other than Company-provided service components to service components provided by the Company. The Company-provided Channel Service Unit is the interface between the Digital Data Transmission Service channel and Customer Premises Equipment.

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).

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1. General Regulations (Cont'd)

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1.5 Definitions (Cont'd)

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Interoffice Section - A two-point transmission path between a Serving Office and a Digital Hub.

IntraLATA - Digital Data Transmission Service (DDTS) where the originating service point location and the terminating service point location are all within the same Local Access and Transport Area (LATA).

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 Distribution Section - A two-point transmission path between a customer's premises and a Serving Office.

Move - As used in connection with the application of move charges for Digital Data Transmission Service, denotes a change in the physical location (whether on the same or different premises), when made at the request of the customer without discontinuance of service, of service components provided by the Company.

Patron - As used in connection with Composite Data Service, denotes a subscriber to the data switching services of a Composite Data Service Vendor.

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

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## DIGITAL DATA TRANSMISSION SERVICE

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1. General Regulations (Cont'd)

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1.5 Definitions (Cont'd)

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Premises (Cont'd)

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

Serving Office - The office from which a customer would normally be served for Local Exchange Telephone Service. The Local Distribution Section and Interoffice Section between the customer's premises and the Digital Hub are interconnected at the Serving Office. Where the Serving Office is not located in the service area, a theoretical location has been established by the Company for billing purposes.

Service Point - When used in connection with Digital Data Transmission Service, service point denotes a point on a customer's premises at which a Digital Data Transmission Service channel is terminated.

User - A person, firm or corporation designated by the customer as a user of Digital Data Transmission Service furnished to the customer and who may share such service with the customer in accordance with tariff provisions. A user must be specifically named in the customer's application for service.

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## DIGITAL DATA TRANSMISSION SERVICE

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1. General Regulations (Cont'd)

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MO. PUBLIC SERVICE COMM.

1.6 Connections

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1.6.1 GeneralPublic Service Commission  
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Customer Premises Equipment and Communications Systems provided by the customer may be connected at the customer's premises to Digital Data Transmission Service furnished by the 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 Local Exchange Tariff.

1.6.2 Responsibility of the Customer

- (A) The customer shall be responsible for the installation, operation and maintenance of Customer Premises Equipment or Communications System. No combination of Customer Premises Equipment or Communications System shall require change in, or alteration of, the services of the Company, cause electrical hazards to Company personnel, damage to Company service components, malfunction of Company billing equipment or degradation of service to persons other than the user of the subject Customer Premises Equipment or Communications System. Upon notice from the Company that Customer Premises Equipment or Communications System is causing such hazard, damage, malfunction or degradation of service, the customer shall make such changes as shall be necessary to remove or prevent such hazard, damage, malfunction or degradation of service.
- (B) The customer shall be responsible for the payment of a charge of \$25.00 for each repair visit to a premises of the customer or 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.

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1. General Regulations (Cont'd)

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1.6 Connections (Cont'd)

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1.6.2 Responsibility of the Customer (Cont'd) BY Public Service Commission  
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(C) The customer shall be responsible for ordering and specifying the type of Digital Data Transmission Service required for operation with Customer Premises Equipment or Communications Systems provided by the customer.

(D) Where a customer elects to connect a customer-provided communications system to Digital Data Transmission Service, the customer shall be responsible for:

(1) Compatibility of the connected communications system to Digital Data Transmission Service. This includes the replacing of Channel Service Units due to technological changes in the network.

(2) Testing and sectionalization and clearance of trouble conditions or service difficulties on any communications system which is connected to Digital Data Transmission Service.

1.6.3 Responsibility of the Company

(A) Digital Data Transmission Service is not represented as adapted to the use of the Customer Premises Equipment or Communications Systems. Where such Customer Premises Equipment or Communications Systems are used with Digital Data Transmission Service, the responsibility of the Company shall be limited to the furnishing of service components suitable for Digital Data Transmission Service and to the maintenance and operation of such service components in a manner proper for such digital service. Subject to this responsibility, the Company shall not be responsible for: (1) the through transmission of signals generated by the Customer Premises Equipment or Communications System or for the quality of, or defects in, such transmission, or (2) the reception of signals by Customer Premises Equipment or Communications Systems or (3) damage to Customer Premises Equipment or Communications Systems due to testing.

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1. General Regulations (Cont'd)

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1.6 Connections (Cont'd)

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1.6.3 Responsibility of the Company (Cont'd)Public Service Commission  
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(B) The Company will, at the customer's request, provide information concerning interface parameters needed to permit Customer Premises Equipment to operate in a manner compatible with Digital Data Transmission Service.

(C) The Company shall not be responsible for modification, alteration or replacement of Customer Premises Equipment or Communications Systems rendered inoperative or obsolete by changes in service components, operations or procedures of the Company used in providing Digital Data Transmission Service.

1.6.4 Violation of Regulations

When any Customer Premises Equipment or Communications System is used with Digital Data Transmission Service in violation of any of the provisions in this Section, the Company will take such immediate action as necessary for the protection of the telecommunications network and Company employees and will promptly notify the customer of the violation. The customer shall take such steps as are necessary to discontinue such use of the Customer Premises Equipment or Communications System or correct the violation and shall confirm in writing to the Company within ten 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 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.

1.6.5 Connections of Customer Premises Equipment and Communications Systems

The customer shall be responsible for ordering and specifying the type of service requested. The undertaking of the Company is to furnish Digital Data Transmission Service as ordered and specified by the customer.

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1. General Regulations (Cont'd)

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1.6 Connections (Cont'd)

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1.6.6 Accessories

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Accessories provided by customers may be used with Digital Data Transmission Service provided that such accessories comply with the provisions of Paragraph 1.6.2, preceding.

1.6.7 Channel Derivation Devices

- (A) Customer-provided channel derivation devices that are used to create additional channels in accordance with Paragraphs 1.6.7 (B) and (C), following, may be connected to Digital Data Transmission Service subject to Paragraph 1.6.2, preceding.
- (B) Subject to the normal transmission characteristics of the Digital Data Transmission Service ordered, the customer may create additional channels; digital bit streams, from the service ordered through the use of channel derivation equipment located at the customer's premises.
- (C) The Company makes no representation as to: (1) the suitability of the channels provided by it for such subdivision into additional channels by derivation equipment or (2) the suitability of the resultant-derived channels for any communications purpose.
- (D) Additional channels derived by this equipment may be connected at the customer's premises to Local Exchange Telephone Service, Private Line Service, Long Distance Message Telecommunications Service and Wide Area Telecommunications Service in accordance with provisions for such connections in Company tariffs for these other services.

1.6.8 Connection to Other Services Furnished by the Company to the Same Customer or Different Customers

Digital Data Transmission Service provided by the Company may be connected to another Digital Data Transmission Service or the following other services provided by the Company at the customer's premises:

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1. General Regulations (Cont'd)1.6 Connections (Cont'd)1.6.8 Connection to Other Services Furnished by the Company to the Same Customer or Different Customers (Cont'd)

- Local Exchange Telephone Service
- Private Line Service
- Long Distance Message Telecommunications Service
- Wide Area Telecommunications Service

1.7 Method of Applying Rates1.7.1 General

The method of applying rates for Digital Data Transmission Service channels and Additional Service Features is provided in this Section.

1.7.2 Channels(A) Access Channels to a Digital Hub

## (1) Local Distribution Section

A Local Distribution Section charge for the requested transmission speed shall apply for each termination on the premises of a customer.

## (2) Interoffice Section

Interoffice Section mileage charges for the requested transmission speed shall apply for each termination of a corresponding Local Distribution Section on the premises of a customer.

Charges are based on the Vertical and Horizontal (V-H) distance between the Digital Hub and the Serving Office within the same LATA for the customer. The appropriate rate schedule for the mileage band corresponding to the V-H distance between the Digital Hub and the Serving Office should be used. A fixed charge for the requested transmission speed will be applied per each Interoffice Section.

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1. General Regulations (Cont'd)
- 1.7 Method of Applying Rates (Cont'd)
- 1.7.2 Channels (Cont'd)
- (B) Channels Between Digital Hubs

Mileage charges for the requested transmission speed shall apply for each channel required to connect access channels in different Digital Hubs that are within the same LATA. Charges are based on the V-H distance between Digital Hubs. A fixed charge for the requested transmission speed will be applied per each channel.

- (C) Nonrecurring Charges

A charge applies per each termination of a Local Distribution Section installed or moved on the premises of a customer.

- 1.7.3 Additional Service Features

Multistation Arrangement

A Multistation Arrangement Charge is applied per each channel connected when three or more channels are connected at a Digital Hub. The Multistation Arrangement is used to inter-connect three or more access channels to a Digital Hub and/or channels between Digital Hubs.

- 1.7.4 Exceptions

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

- (1) The service components for that portion of the intraLATA interexchange Digital Data Transmission Service located wholly within each exchange will be rated pursuant to that Local Exchange Company's tariff.

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1. General Regulations (Cont'd)1.7 Method of Applying Rates (Cont'd)1.7.4 Exceptions (Cont'd)

## (A) (Cont'd)

- (2) The rate for the applicable intraLATA interexchange per mile mileage will be the rate in each Local Exchange Company's tariff. Each Local Exchange Company's charge for the per mile mileage element is based on the route mile ownership ratio multiplied by the Local Exchange Company's per mile rate for the airline (V-H) mileage between the primary serving office of each Local Exchange Company.

1.7.5 Determination of V-H Mileages

The rate distances for Digital Data Transmission Service should be determined as follows:

(A) Determination of V-H Coordinates

## Access Channels to a Digital Hub

The rate distance is measured between the Digital Hub and the Serving Office within the same LATA for the Interoffice Section. The V-H coordinates for respective Serving Offices are the same as used for mileage calculations in the Private Line Service Tariff.

(B) Calculation of V-H Mileage

- (1) Determine the difference between the "V" coordinates for the Digital Hub and the Serving Office within the same LATA. Similarly, determine the difference between the respective "H" coordinates. The difference is always determined by subtracting the smaller coordinate from the larger.
- (2) Square each difference obtained in Item (1), above.
- (3) Add the squares of the "V" difference and the "H" difference obtained in Item (2), above.
- (4) Divide the sum of the squares obtained in Item (3), above, by 10.

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1. General Regulations (Cont'd)
- 1.7 Method of Applying Rates (Cont'd)
- 1.7.5 Determination of V-H Mileages (Cont'd)
- (B) Calculation of V-H Mileage (Cont'd)

- (5) Obtain the square root of the result obtained in Item (4), above. This distance is the rate distance in V-H miles. Fractional mileage distances should be rounded to the next higher full mile.

Example:

Access channel to a Digital Hub

St. Louis Digital Hub  
Ladue "569" Serving Office  
Difference

V	H
6807	3482
6817	3517
10	35

Sum of the squares = 100 + 1225 = 1325

$$\sqrt{\left(\frac{1325}{10}\right)} = 11.5 = 12 \text{ V-H Miles}$$

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- 1.8 Special Taxes, Fees and Charges
- 1.8.1 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 pro rata share of any franchise, occupation, business, license, excise, privilege or other similar tax, fee or charge (hereafter called "tax") now or hereafter imposed upon the Company by any taxing body or authority, whether by statute, ordinance, law or otherwise, and whether presently due or to hereafter become due.

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1. General Regulations (Cont'd)
- 1.8 Special Taxes, Fees and Charges (Cont'd)
- 1.8.1 General (Cont'd)

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- (B) On and after the effective date thereof, any subsequent increase, decrease, imposition or determination of liability for such taxes, fees or charges, as described above, shall be applied in the manner provided below to the customer's bill or charge on each individual billing date.
- (C) When such a 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 pro rata 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 pro rata share of such taxes described above shall be determined by dividing the tax expressed as a percentage by 100 percent minus the tax expressed as a percentage and multiplying the decimal thus obtained by the customer's charges to which such tax applies.

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

- (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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## DIGITAL DATA TRANSMISSION SERVICE

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2. Services and Rates

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2.1 Digital Data Transmission Services2.1.1 Service Description

Digital Data Transmission Service provides channels suitable for duplex transmission of synchronous digital signals at transmission speeds of 2.4, 4.8, 9.6, 19.2 or 56 Kilobits per second (Kbps) between two customer premises within the same LATA. This service is guaranteed to provide an average performance of at least 99.5 percent error-free seconds for operation at all transmission speeds offered in this Tariff.

Additional Service Features provided at Digital Hubs are available to improve the utility of Digital Data Transmission Service channels.

The service is furnished for duplex operation on a 24-hours-per-day, seven-days-per-week basis for a minim period of one month.

2.1.2 Service Responsibility

The Company has overall responsibility for provision and maintenance of Digital Data Transmission Service up to the demarcation point (interface) of the channel on the customer's premises. The service guarantee specified in Paragraph 1.1.5 of this Tariff is provided up to the demarcation point (interface) of the channel.

2.1.3 Service Availability

Digital Data Transmission Service is available to customers within specific exchanges where the Company determines that access to a Digital Hub can be provided.

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## DIGITAL DATA TRANSMISSION SERVICE

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2. Services and Rates (Cont'd)

MO. PUBLIC SERVICE COMM.

2.2 Description and Application of Services

Digital Data Transmission Service channels provide the transmission paths for digital signals between two or more customer locations within the same LATA. Access to a Digital Hub from a customer's premises requires the application of Local Distribution Section and Interoffice Section rate elements provided for this purpose. In cases where customer locations access different Digital Hubs within the same LATA, channels between Digital Hubs require the application of the rate element provided for this purpose.

Rate elements for Additional Service Features should be applied when these features are used in conjunction with Digital Data Transmission Service channels at the Digital Hub.

2.2.1 Channels

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Access Channels to a Digital Hub

## - Local Distribution Section

This rate element represents a two-point transmission path between a customer's premises and that premises' serving office. Local Distribution Sections suitable for synchronous data rates of 2.4, 4.8, 9.6, 19.2 and 56 Kbps, respectively, are provided.

## - Interoffice Section

This rate element represents a two-point transmission path between a Digital Hub and a serving office within the same LATA where Digital Data Transmission Service is available. Interoffice Sections suitable for synchronous data rates of 2.4, 4.8, 9.6, 19.2 and 56 Kbps, respectively, are provided.

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## DIGITAL DATA TRANSMISSION SERVICE

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2. Services and Rates (Cont'd)
- 2.2 Description and Application of Services (Cont'd)
- 2.2.2 Additional Service Features

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## Multistation Arrangement

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This arrangement provides the capability to connect multiple Digital Data Transmission Service channels at a Digital Hub. A Multistation Arrangement is provided for each channel when three or more channels are connected at a Digital Hub. All channels connected by a Multistation Arrangement must operate at the same transmission speed.

This arrangement allows customers to simultaneously transmit communications from a master (control) service point to many other service points or individually receive communications at a master (control) service point from another service point. All such communications are under the control of a customer-specified master (control) service point.

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2. Services and Rates (Cont'd)

MO. PUBLIC SERVICE COMM.

2.3 Rates

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2.3.1 Channels

Access Channels to a Digital Hub

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## - Local Distribution Section

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Public Service Commission  
MISSOURI

Per termination of a Local Distribution Section on a customer's premises.

<u>For Transmission Speed of</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
2.4 Kbps	\$ 55.00	\$ 71.00
4.8 Kbps	55.00	71.00
9.6 Kbps	55.00	71.00
19.2 Kbps	55.00	71.00
56 Kbps	68.00	71.00

## - Interoffice Section

Per V-H mile between the Digital Hub and Serving Office within the same LATA for the mileage portion plus the fixed charge.

<u>For Transmission Speed of</u>	<u>Monthly</u>	
	<u>Fixed Charge</u>	<u>Rate Per Mile</u>
2.4 Kbps	\$ 25.00	\$ 2.00
4.8 Kbps	25.00	2.00
9.6 Kbps	25.00	2.00
19.2 Kbps	25.00	2.00
56 Kbps	25.00	2.00

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2. Services and Rates (Cont'd)2.3 Rates (Cont'd)2.3.2 Additional Service Features

Multistation Arrangement

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Per channel connected at a Digital Hub -

For all speeds

\$ 12.00

2.4 Wideband Digital Service/1.544 Mbps2.4.1 General

Wideband Digital Service/1.544 Mbps is a two-point, intraLATA dedicated High Capacity Channel used for simultaneous two-way transmission of serial, bipolar, return-to-zero isochronous digital signals at a transmission speed of 1.544 Mbps. The channel design objective is to provide an average performance of at least 95 percent error-free seconds of transmission measured over a continuous 24-hour period through the Channel Service Unit or its functional equivalent as set forth in Section 7000 of the GTE Technical Interface Reference Manual.

2.4.2 Regulations

- (A) The regulations and rates specified herein are in addition to the applicable regulations found in other sections of this Tariff.

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2.4 Wideband Digital Service/1.544 Mbps (Cont'd)

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2.4.2 Regulations (Cont'd)

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(B) Availability of ServiceBY  
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Wideband Digital Service/1.544 Mbps can only be provided where digital facilities exist within the same LATA. Services between serving offices must have digital service components between all intermediate offices to have the ability to provide the service.

(C) Provision of Service

- (1) Wideband Digital Service/1.544 Mbps is available only on a two-point intraLATA basis.
  - (2) Wideband Digital Service/1.544 Mbps is furnished on a full-time basis (24 hours a day, seven days per week).
  - (3) Customer requests for Wideband Digital Service/1.544 Mbps where suitable service components are not available and the Company constructs the requested service components, when certain conditions exist, is considered special construction. The regulations, rates and charges applicable to special construction are found in the Special Construction section of the Local Exchange Tariff. Service availability will be negotiated locally.
  - (4) The Company has the service responsibility up to the point of minimum penetration (1) on the customer's premises at which the network interface appears for the customer-provided equipment. The network interface will be provided by the Company as set forth in Section 7000 of the GTE Technical Interface Reference Manual.
- (1) Point of minimum penetration is that point at a customer's premises which is as close as possible to the point where the Company's network cable or outside distribution service components enter the customer's premises.

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2. Services and Rates (Cont'd)FED. PUBLIC SERVICE COMM.  
CANCELLED2.4 Wideband Digital Service/1.544 Mbps (Cont'd)2.4.2 Regulations (Cont'd)

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(C) Provision of Service (Cont'd)

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- (5) Connection of Terminal Equipment or a Communications System to a Wideband Digital Service/1.544 Mbps

(a) Connections to a Wideband Digital Service/1.544 Mbps Terminal equipment, or a communications system which does not have the capability to transmit signals with encoded analog content via a Wideband Digital Service/1.544 Mbps to the telecommunications network or to a Category I or Category III private line circuit as identified in the Federal Communications Commission's Rules and Regulations may be directly connected to the demarcation point of the circuit. All other connections to a Wideband Digital Service/1.544 Mbps are also made at a demarcation point and must be made in accordance with the following regulations.

(b) Connection of Terminal Equipment - Terminal equipment may be connected to a Wideband Digital Service/1.544 Mbps through, or in combination with, channel derivation equipment. If the connection provides the capability to transmit signals with encoded analog content via the Wideband Digital Service/1.544 Mbps to the telecommunications network or to a Category I or Category III private line circuit, as identified in the Federal Communications Commission's Rules and Regulations, it must be connected in accordance with a type listed on the Program Summary provided by the Federal Communications Commission.

In addition, when voice-band data terminal equipment is used with the channel derivation equipment, the voice-band data terminal equipment must comply with the Federal Communications Commission's Rules and Regulations to ensure continued billing integrity.

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2.4 Wideband Digital Service/1.544 Mbps (Cont'd)

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2.4.2 Regulations (Cont'd)(D) Customer Signal Constraint

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All signals generated by the customer's terminal equipment must meet certain signal and format constraints. Some of these constraints are as listed below. Additional details are set forth in Section 7000 of GTE Technical Interface Reference Manual.

- (1) Data Rate: 1.544 Mbps +/- 75 bps.
- (2) Consecutive zeros: No more than 15 consecutive zeros may be generated.
- (3) Pulse density: At least 3 pulses in any 24 bit interval.

(E) Allowance for Interruptions

Credit allowances are determined in accordance with regulations set forth in Paragraph 1 of this Tariff.

Wideband Digital Service/1.544 Mbps is considered interrupted when the customer reports that service continuity has been lost or that the service is operating at a performance level of 300 or more seconds of transmission containing errors in a consecutive 15-minute period.

2.4.3 Rate Description

There are four basic rate elements which apply to Wideband Digital Service/1.544 Mbps:

Local Distribution Channels  
Interexchange Interoffice Channel and Channel Terminals  
Optional Service Functions  
Service Charge

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2. Services and Rates (Cont'd)

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2.4 Wideband Digital Service/1.544 Mbps (Cont'd)2.4.3 Rate Description (Cont'd)(A) Local Distribution Channel

A Local Distribution Channel is a channel between a customer's premises and the Company serving office serving that customer.

(B) Interexchange Interoffice Channel

Interexchange Interoffice Channel is defined as the component of the service between two serving offices where the serving offices are in different exchanges within the LATA. Charges include a fixed channel terminal charge and channel mileage which is based on V-H distance between the serving offices, measured in whole miles. Fractional miles are rounded to the next whole mile. Two Channel Terminal charges are required per Interexchange Interoffice Channel.

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2. Services and Rates (Cont'd)
- 2.4 Wideband Digital Service/1.544 Mbps (Cont'd)
- 2.4.3 Rate Description (Cont'd)
- (C) Optional Service Functions
- (1) Automatic Protection Capability

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The Automatic Protection Capability (APC) service function, when used in conjunction with compatible customer-provided APC at the customer's premises, provides protection for the Local Distribution Channel by automatically switching the Local Distribution Channel(s) to a spare Local Distribution Channel. The customer is responsible for circuit compatibility with existing Central Office equipment.

Spare Local Distribution Channel(s) are not included with the Automatic Protection Capability. They must be ordered separately on an Individual Case Basis (ICB).

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2. Services and Rates (Cont'd)2.4 Wideband Digital Service/1.544 Mbps (Cont'd)2.4.3 Rate Description (Cont'd)

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(C) Optional Service Functions (Cont'd)

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The Transfer Arrangement service function permits a customer to transfer an Interoffice Channel between two Local Distribution Channels terminating in the same serving office. The two Local Distribution Channels must use the same signal format. The spare Local Distribution Channel is not included in the Transfer Arrangement. It must be ordered separately on an Individual Case Basis (ICB).

A key activated control circuit is required to operate the transfer arrangement. A Special Signaling Channel between the customer-designated control station and the serving office may be obtained from this Tariff for this purpose. The control key must be provided by the customer.

(D) Service Charge

A service charge applies per Local Distribution Channel per point of termination installed or moved as provided below:

2.4.4 Rates and Charges

	<u>Monthly Rate</u>	<u>Service Charge</u>
(A) Local Distribution Channel, per point of termination		
(1) First Local Distribution Channel	\$317.00	\$965.00
(2) Each additional Local Distribution Channel	\$180.00	\$128.00

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2. Services and Rates (Cont'd)2.4 Wideband Digital Service/1.544 Mbps (Cont'd)

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2.4.4 Rates and Charges (Cont'd)

	<u>Monthly Rate</u>
(B) Interexchange Interoffice Channel	
Channel Terminal (two required per interoffice channel)	\$50.00
Rate per V-H mile or fraction thereof, per channel	\$30.85

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	<u>Monthly Rate</u>	<u>Service Charge</u>
(C) Automatic Protection Capability, per central office arrangement	ICB	ICB
(D) Transfer Arrangement, per arrangement	ICB	ICB

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