



August 29, 2014

Missouri Public Service Commission  
Governor Office Building  
200 Madison  
P.O. Box 360  
Jefferson City, MO 65102-0360

RE: Notice of Election and Withdrawal of Spectra Communications Group, LLC (Missouri) d/b/a CenturyLink Tariffs Pursuant to §392.461, RSMo.

Dear Secretary:

Section 392.461 allows telecommunications companies, upon notice to the Missouri Public Service Commission ("Commission"), to elect to be exempt from the requirement that they offer retail services to residential or business end users only through tariff, and to withdraw such tariffs.

Spectra Communications Group, LLC (Missouri) d/b/a CenturyLink hereby provides notice of its election to be exempt from tariff filing requirements, and of its intent to withdraw the below-listed tariffs, effective October 1, 2014.

General and Local Exchange Tariff PSC MO. NO. 1  
Long Distance Message Telecommunications Service Tariff PSC MO. NO 3  
Wide Area Telecommunications Service Tariff PSC MO.NO 4  
Private Line Service Tariff PSC MO.NO 5  
Digital Data Transmission Service Tariff PSC MO. NO 6  
Exchange Boundary Maps P.S.C. MO. NO. 7

Compliant with the requirement that electing companies publish generally available retail prices on a website, the *Local Terms of Service* containing the terms, conditions and rates for services previously provided under tariffs will be located on CenturyLink's website at [www.CenturyLink.com/tariffs](http://www.CenturyLink.com/tariffs). Affected customers were advised at least thirty days in advance of CenturyLink's withdrawal of the above referenced tariffs and of the website at which *Local Terms of Service* are available.

The withdrawal of tariffs and establishment of *Local Terms of Service* will not result in any changes to customers' current services or rates. CenturyLink will notify customers in advance if future changes are made.

If you have any questions or need additional information, you may call me at (913) 353-7087.

Sincerely,

A handwritten signature in cursive script that reads "Robyn Crichton".

Robyn Crichton

Attachments

cc: Office of Public Counsel (email)  
Richard Moore, CenturyLink

MO 14-09 (SCG)

**CANCELLED**  
October 1, 2014  
Missouri Public  
Service Commission  
JI-2015-0079

**ROBYN CRICHTON**  
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Robyn.M.Crichton@CenturyLink.com  
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Voice: (913) 353-7087

**JI-2015-0079**

DIGITAL DATA TRANSMISSION SERVICE

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ADOPTION NOTICE A

Effective October 19, 2009, Spectra Communications Group, LLC d/b/a CenturyTel began operating under the name CenturyLink. As such, Spectra Communications Group, LLC d/b/a CenturyLink hereby adopts, ratifies, and makes its own, in every respect as if the same had been originally filed by it, all tariffs, schedules, rules, notices or other instruments filed with the Public Service Commission, State of Missouri, under the name Spectra Communications Group, LLC d/b/a CenturyTel, currently on file with and approved by the Commission.

(N)

(N)

Effective March 12, 2001

Spectra Communications Group, LLC d/b/a CenturyTel, hereby adopts, ratifies, and makes its own, in every respect as if the same had been originally filed by it, all tariffs, schedules, rules, notices or other instruments filed with the Public Service Commission, State of Missouri, under the name Spectra Communications Group, currently on file with and approved by the Commission.

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Issued: ~~September 21, 2009~~ September 10, 2009

Effective: ~~October 21, 2009~~ October 19, 2009

CANCELLED  
October 1, 2014  
Missouri Public  
Service Commission  
JI-2015-0079

Chantel Mosby  
Director - Tariffs  
Monroe, Louisiana

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TN-2010-0092; YI-2010-0179

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Spectra Communications Group, LLC FEB 09 2001  
D/b/a CenturyTel

P.S.C. Mo. No. 6  
Original Sheet No. Adoption Notice A

**MISSOURI  
Public Service Commission**

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ADOPTION NOTICE A

Spectra Communications Group, LLC d/b/a CenturyTel, hereby adopts, ratifies, and makes its own, in every respect as if the same had been originally filed by it, all tariffs, schedules, rules, notices or other instruments filed with the Public Service Commission, State of Missouri, under the name Spectra Communications Group, currently on file with and approved by the Commission.

FILED  
01-437

MAR 12 2001

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ISSUED: February 9, 2001

EFFECTIVE: March 12, 2001

Kenneth Matzdorff  
Chief Operating Officer  
Kansas City, MO

CANCELLED  
October 19, 2009  
Missouri Public  
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**DIGITAL DATA TRANSMISSION SERVICE**

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TITLE SHEET

SPECTRA COMMUNICATIONS GROUP, LLC  
D/B/A CENTURYLINK

(C)

INTRASTATE INTRALATA

DIGITAL DATA TRANSMISSION SERVICE

Applying to the Intrastate Services  
of this Company in Missouri

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Effective: October 19, 2009

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d/b/a CenturyTel

FEB 09 2001

P.S.C. Mo. No. 6  
1<sup>st</sup> Revised Title Sheet  
Cancels Original Title Sheet 1

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DIGITAL DATA TRANSMISSION SERVICE

TITLE SHEET

SPECTRA COMMUNICATIONS GROUP, LLC  
D/B/A CENTURYTEL

INTRASTATE INTRALATA

DIGITAL DATA TRANSMISSION SERVICE

Applying to the Intrastate Services  
of this Company in Missouri

FILED  
01-437  
MAR 12 2001

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Public Service Commission

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ISSUED: February 9, 2001

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TITLE SHEET

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SPECTRA COMMUNICATIONS GROUP, LLC

INTRASTATE INTRALATA

DIGITAL DATA TRANSMISSION SERVICE

Applying to the Intrastate Services  
of this Company in Missouri

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E. J. R.T.S.  
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SYMBOLS

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- Explanation of Symbols:
- C - To signify a changed regulation.
  - D - To signify a discontinued rate or regulation.
  - I - To signify an increased rate.
  - M - To signify a move in text from one area of the tariff to another but no change in rate, treatment or regulation.
  - N - To signify a new rate or regulation.
  - R - To signify a reduced rate.
  - T - To signify a change in text but no change in regulation.

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Chantel Mosby  
Manager, Tariffs and Compliance  
Monroe, LA

IO-2006-0108

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Kansas City, Missouri

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A. APPLICATION OF TARIFF

1. This tariff is applicable to the following Missouri exchanges MAY 10 2000

SPECTRA COMMUNICATIONS GROUP, LLC

MISSOURI Public Service Commission

Amazonia	Easton	Kidder	Plattsburg
Annapolis	Edgar Springs	Kingston	Potosi
Arcola	Eldorado	La Belle	Raymondville
Aurora	Springs	La Plata	Revere
Avenue City	Ellsinore	Ladonia	Roby
Avilla	Elmer	LaGrange	Rockville
Belgrade	Eminence	Lawson	Rosendale
Belleview	Everton	Lesterville	Santa Fe
Birch Tree	Ewing	Lewistown	Sarcoxis
Bolckow	Fillmore	Licking	Savannah
Boss	Fremont	Lowry City	Schell City
Braymer	Golden City	Macon	Shelbina
Bronaugh-	Gorin	Manes	Shelbyville
Moundville	Gower	Maysville	Sheldon
Brunswick	Greenfield	Milo	Stewartsville
(Triplett)	Grovespring	Monroe City	Stoutsville
Bunker	Hamilton	Montauk Park	Timber
Caledonia	Hartville	Monticello	Trimble
Cameron	Helena	Mt. Vernon	Turney
Canton	Houston	Mtn. Grove	Van Buren
Centerville	Humansville	Nebo	Vanzant
Clarence	Hunnewell	Norwood	Walker
Clarksdale	Irondale	Oates	Wayland
Collins	Ironton	Osborn	Weaubleau
Concordia	Jerico	Osceola	West Quincy
Cosby	Springs	Palmyra	Whitesville
Dadeville	Kahoka	Paris	Winona
Dalton	Keytesville	Perry	

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B. GENERAL REGULATIONS

MAY 10 2000

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1. Undertaking of the Company

a. Scope

- 1) This Tariff section contains the general regulations and definitions governing Digital Data Transmission Service furnished by the Company.
- 2) 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.
- 3) The Company does not undertake to transmit messages, but offers the use of its service components, where available, to customers for such purposes.

b. Limitations

- 1) 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.
- 2) 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.
- 3) 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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Kenneth Matzdorff  
Chief Operating Officer  
Kansas City, Missouri

## DIGITAL DATA TRANSMISSION SERVICE

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## B. GENERAL REGULATIONS (Cont'd)

MAY 10 2000

## 1. Undertaking of the Company (Cont'd)

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## c. Liability

- 1) 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.
- 2) The Company shall be indemnified and saved harmless by the customer or user against:
  - a) Claims for libel, slander and infringement of copyright arising from the material transmitted over the service components;
  - b) 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
  - c) 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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B. GENERAL REGULATIONS (Cont'd)

MAY 10 2000

1. Undertaking of the Company (Cont'd)

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c. Liability (Cont'd)

3) 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.

4) 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.

d. Provision of Service Components

1) 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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## B. GENERAL REGULATIONS (Cont'd)

MAY 10 2000

## 1. Undertaking of the Company (Cont'd)

## d. Provision of Service Components (Cont'd)

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- 2) 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 Section B.4.d of this Tariff, or contract beyond the initial period, or both.
- 3) 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.

- 4) 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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B. GENERAL REGULATIONS (Cont'd)

MAY 10 2000

1. Undertaking of the Company (Cont'd)

e. Service Guarantee

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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 Section B.4.h.3) 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.

2. Use

Digital Data Transmission Service may be used for the purposes specified in Section B.2.a., following.

a. Authorized Use

- 1) 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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B. GENERAL REGULATIONS (Cont'd)

MAY 10 2000

2. Use (Cont'd)

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b. 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.

c. 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.

d. Shared Use

1) 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 Section B.6.b., following.

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B. GENERAL REGULATIONS (Cont'd)

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2. Use (Cont'd)

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d. Shared Use (Cont'd)

- 2) 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.
- 3) 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.

3. Obligations of the Customer

a. Customer Responsibilities

The customer shall be responsible for:

- 1) 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.
- 2) Reimbursing the Company for any loss through theft of the service components on the customer's premises.
- 3) 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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## B. GENERAL REGULATIONS (Cont'd)

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## 3. Obligations of the Customer (Cont'd)

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## a. Customer Responsibilities (Cont'd)

4) 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.

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

## b. 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.

## c. 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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## B. GENERAL REGULATIONS (Cont'd)

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## 4. Payment Arrangements and Credit Allowances

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## a. Payment of Charges and Deposits

## 1) 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.

## 2) 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.

## 3) 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 the General and Local Exchange Tariff.

## b. 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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## B. GENERAL REGULATIONS (Cont'd)

4. Payment Arrangements and Credit Allowances (Cont'd) **MISSOURI Public Service Commission**

## c. Minimum and Fractional Rates and Charges

- 1) The minimum service period is one month, except when the cost of special construction is such as to necessitate a longer contract period.
- 2) 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.

- 3) 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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B. GENERAL REGULATIONS (Cont'd)

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4. Payment Arrangements and Credit Allowances (Cont'd)

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d. Special Construction

- 1) 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.
- 2) Special construction is that construction undertaken:
  - a) Where service components are not presently available, and there is no other requirement for the service components so constructed.
  - b) Of a type other than that which the Company would normally utilize in the furnishing of its services.
  - c) Over a route other than that which the Company would normally utilize in the furnishing of its services.
  - d) In a quantity greater than that which the Company would normally construct to serve the customer's needs.
  - e) On a temporary basis until permanent service components are available.
  - f) Involving abnormal costs.
  - g) In advance of its normal construction on an expedited basis.

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B. GENERAL REGULATIONS (Cont'd)

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4. Payment Arrangements and Credit Allowances (Cont'd)

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d. Special Construction (Cont'd)

- 3) 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.
- 4) 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.
- 5) 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.
- 6) No charge applies where the applicant cancels an application for service prior to the start of special construction of service components.

e. 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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B. GENERAL REGULATIONS (Cont'd)

4. Payment Arrangements and Credit Allowances (Cont'd)

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f. 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.

g. 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.

h. 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.

- 1) 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.
- 2) For purposes of administering this regulation with respect to the determination of allowances for a fractional part of a month, every month is considered to have 30 days.

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## B. GENERAL REGULATIONS (Cont'd)

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## 4. Payment Arrangements and Credit Allowances (Cont'd)

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## h. Allowances for Interruptions (Cont'd)

- 3) For periods of substandard performance as specified in Paragraph B.1.e 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>
Less than 30 minutes	None
30 minutes up to 2 hours	1/10 day
3 hours up to 6 hours	1/5 day
6 hours up to 9 hours	2/5 day
9 hours up to 12 hours	3/5 day
Over 12 hours	One day

## i. 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.

- 1) A charge equal to the estimated costs incurred in such installation, less estimated net salvage.
- 2) 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.
- 3) 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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B. GENERAL REGULATIONS (Cont'd)

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5. Definitions

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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's 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.

COMPANY - SPECTRA COMMUNICATIONS GROUP, LLC

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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## B. GENERAL REGULATIONS (Cont'd)

## 5. Definitions (Cont'd)

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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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## B. GENERAL REGULATIONS (Cont'd)

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## 5. Definitions (Cont'd)

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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## B. GENERAL REGULATIONS (Cont'd)

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## 5. Definitions (Cont'd)

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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## B. GENERAL REGULATIONS (Cont'd)

## 5. Definitions (Cont'd)

**MISSOURI  
Public Service Commission**PREMISES (Cont'd)

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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## B. GENERAL REGULATIONS (Cont'd)

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## 6. Connections

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## a. General

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 General and Local Exchange Tariff.

## b. Responsibility of the Customer

- 1) 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.
- 2) The customer shall be responsible for the payment of a Maintenance of Service charge 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.

The Maintenance of Service charge for SPECTRA COMMUNICATIONS GROUP, LLC can be found in Section 5 of the General and Local Exchange Tariff, PSC MO. NO. 1.

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## B. GENERAL REGULATIONS (Cont'd)

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## 6. Connections (Cont'd)

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## b. Responsibility of the Customer (Cont'd)

- 3) 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.
- 4) Where a customer elects to connect a customer-provided communications system to Digital Data Transmission Service, the customer shall be responsible for:
  - a) 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.
  - b) Testing and sectionalization and clearance of trouble conditions or service difficulties on any communications system which is connected to Digital Data Transmission Service.

## c. Responsibility of the Company

- 1) 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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B. GENERAL REGULATIONS (Cont'd)

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6. Connections (Cont'd)

c. Responsibility of the Company (Cont'd)

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2) 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.

3) 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.

d. 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.

e. 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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## B. GENERAL REGULATIONS (Cont'd)

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## 6. Connections (Cont'd)

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## f. Accessories

Accessories provided by customers may be used with Digital Data Transmission Service provided that such accessories comply with the provisions of Paragraph B.6.b, preceding.

## g. Channel Derivation Devices

- 1) Customer-provided channel derivation devices that are used to create additional channels in accordance with Sections B.6.g 2) and 3), following, may be connected to Digital Data Transmission Service subject to Section B.6.b, preceding.
- 2) 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.
- 3) 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.
- 4) 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.

## h. 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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B. GENERAL REGULATIONS (Cont'd)

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6. Connections (Cont'd)

h. Connection to Other Services Furnished by the Company to the Same Customer or Different Customers (Cont'd)

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

7. Method of Applying Rates

a. General

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

b. Channels

1) Access Channels to a Digital Hub

a) Local Distribution Section

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

b) 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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B. GENERAL REGULATIONS (Cont'd)

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7. Method of Applying Rates (Cont'd)

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b. Channels (Cont'd)

2) 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.

3) Nonrecurring Charges

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

c. 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.

d. Exceptions

1) 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:

a) 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 General and Local Exchange Company's tariff.

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B. GENERAL REGULATIONS (Cont'd)

7. Method of Applying Rates (Cont'd)

d. Exceptions (Cont'd)

1) (Cont'd)

b) 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.

e. Determination of V-H Mileages

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

1) 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.

2) Calculation of V-H Mileage

a) 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.

b) Square each difference obtained in Item a), above.

c) Add the squares of the "V" difference and the "H" difference obtained in Item b), above.

d) Divide the sum of the squares obtained in Item c) above by 10.

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## B. GENERAL REGULATIONS (Cont'd)

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## 7. Method of Applying Rates (Cont'd)

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## e. Determination of V-H Mileages (Cont'd)

## 2) Calculation of V-H Mileage (Cont'd)

- e) Obtain the square root of the result obtained in Item d), 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

	<u>V</u>	<u>H</u>
St. Louis Digital Hub	6807	3482
Ladue "569" Serving Office	<u>6817</u>	<u>3517</u>
Difference	10	35
Sum of the squares = 100 + 1225 = 1325		

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

## 8. Special Taxes, Fees and Charges

- 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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B. GENERAL REGULATIONS (Cont'd)

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8. Special Taxes, Fees and Charges (Cont'd)

- 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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C. DIGITAL DATA 2.4, 4.8, 9.6, 19.2 or 56 Kbps SERVICE

**MISSOURI  
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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. 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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C. DIGITAL DATA 2.4, 4.8, 9.6, 19.2 or 56 Kbps SERVICE (Cont'd)

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3. 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.

a. Channels

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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C. DIGITAL DATA 2.4, 4.8, 9.6, 19.2 or 56 Kbps SERVICE (Cont'd)

3. Description and Application of Services (Cont'd)

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b. Additional Service Features

Multistation Arrangement

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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C. DIGITAL DATA 2.4, 4.8, 9.6, 19.2 or 56 Kbps SERVICE (Cont'd)

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## 4. Rates and Charges

## a. Channels

Access Channels to a Digital Hub

## - Local Distribution Section

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

<u>For Transmission Speed of</u>	<u>GSEC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>GSEC</u>
2.4 Kbps	1L7AJ	\$55.00	\$71.00	N1L7AJ
4.8 Kbps	1L7BJ	55.00	71.00	N1L7BJ
9.6 Kbps	1L7CJ	55.00	71.00	N1L7CJ
19.2 Kbps	1L7EJ	55.00	71.00	N1L7EJ
56 Kbps	1L7DJ	68.00	71.00	N1L7DJ

## - 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>GSEC</u>	<u>Monthly Fixed Charge</u>	<u>GSEC</u>	<u>Monthly Rate Per Mile</u>
2.4 Kbps	1L7A1	\$25.00	3LBSE	\$2.00
4.8 Kbps	1L7B1	25.00	3LBPE	2.00
9.6 Kbps	1L7C1	25.00	3LBOE	2.00
19.2 Kbps	1L7E1	25.00	3LBME	2.00
56 Kbps	1L7D1	25.00	3LBLE	2.00

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C. DIGITAL DATA 2.4, 4.8, 9.6, 19.2 or 56 Kbps SERVICE (Cont'd) MAY 10 2000

4. Rates and Charges (Cont'd)

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b. Additional Service Features

Multistation Arrangement

	<u>GSEC</u>	<u>Monthly Rate</u>
Per channel connected at a Digital Hub -		
- For all speeds	DDZ	\$12.00

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C. DIGITAL DATA 2.4, 4.8, 9.6, 19.2 or 56 Kbps SERVICE (Cont'd)

5. (Reserved for Future Use)

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C. DIGITAL DATA 2.4, 4.8, 9.6, 19.2 or 56 Kbps SERVICE (Cont'd)

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D. WIDEBAND DIGITAL SERVICE/1.544 Mbps

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1. Service Description

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Wideband Digital Service/1.544 Mbps is a two-point, ~~intra-LATA~~ 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.

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D. WIDEBAND DIGITAL SERVICE/1.544 Mbps (Cont'd)

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2. Service Availability

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.

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D. WIDEBAND DIGITAL SERVICE/1.544 Mbps (Cont'd)

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3. Connection of Terminal Equipment or a Communication 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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D. WIDEBAND DIGITAL SERVICE/1.544 Mbps (Cont'd)

3. Connection of Terminal Equipment or a Communications System to a Wideband Digital Service/1.544 Mbps (Cont'd)

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c. Customer Signal Constraint

All signals generated by the customer's terminal equipment must meet certain signal and formal 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.

d. Allowance for Interruptions

Credit allowances are determined in accordance with regulations set forth in Section B.4.h. 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.

4. Description and Application of Services

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
- Nonrecurring Charge

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D. WIDEBAND DIGITAL SERVICE/1.544 Mbps (Cont'd)

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4. Description and Application of Services (Cont'd)

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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; This portion of Wideband Digital Service may also be provided at the rates and charges specified from SPECTRALAN Service where SPECTRALAN is available. See Section F. of this tariff for applicable rates and charges.

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D. WIDEBAND DIGITAL SERVICE/1.544 Mbps (Cont'd)

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4. Description and Application of Services (Cont'd)

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c. Optional Service Functions

1) Automatic Protection Capability

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 at the rates and charges specified in Section D.6.c. or on an Individual Case Basis (ICB).

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4. Description and Application of Services (Cont'd)

c. Optional Service Functions (Cont'd)

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2) Transfer Arrangement

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 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.

5. Rates and Charges

	<u>GSEC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
a. Local Distribution Channel, per point of termination			
1) First Local Distribution Channel	1LDPJ N1LDPJ	\$295.00	\$965.00
2) Each additional Local Distribution Channel	1LDP8 N1LDP8	150.00	128.00

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D. WIDEBAND DIGITAL SERVICE/1.544 Mbps (Cont'd)

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5. Rates and Charges (Cont'd)

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b. Interexchange Interoffice Channel

GSEC Rate

Channel Terminal (two required per interoffice channel)

1LBNA \$30.00

Rate per V-H mile or or fraction thereof, per channel

3LBNA \$21.60

c. Optional Service Functions

Monthly Rate Nonrecurring Charge

1) Automatic Protection Capability, per central office arrangement

ICB ICB

2) Transfer Arrangement, per arrangement

ICB ICB

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D. WIDEBAND DIGITAL SERVICE/1.544 Mbps (Cont'd)

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6. Clear Channel Capability

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a. Description of Service

An arrangement that allows the customer to transport 1.536 Mbps of information through a Wideband Digital (DS1) Service with no constraint on the quantity or sequence of one (mark) and zero (space) bits utilizing the Bipolar with Eight Zero Substitution (B8ZS) method of providing bit sequence independence. This arrangement is capable of transporting DS1 signals which utilize Superframe or Extended Superframe Format (ESF) as defined by the American National Standards Institute (ANSI) T1.107-1988 standard. The installation interval for Clear Channel Capability may exceed standard intervals where equipment in the central office is not readily available. The charges apply on a per Local Distribution Channel basis.

This arrangement requires the customer signal at the channel interface to conform to the B8ZS method of providing bit sequence independence, as described in ANSI T1.102-1987 and Section 6103 of the GTE Technical Interface Reference Manual.

b. Rates

	<u>GSEC</u>	<u>Rate</u>	<u>Charge</u>
Per Local Distribution Channel	CCO	\$24.00	
	NCCO		\$90.00

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D. WIDEBAND DIGITAL SERVICE/1.544 MBPS (Cont'd)

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7. Fractional T1 Service (FT1)

**MISSOURI  
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a. Description of Service

FT1 facilities are furnished for the transmission of isochronous bipolar serial data and are available at transmission rate groupings of N x 56 Kbps or N x 64 Kbps where N equals 2, 4, or 6. FT1 channels are contiguous within the network and can be used to create a wideband circuit using customer provided equipment. When N x 64 FT1 is ordered in conjunction with DS1 service for multiplexing purposes, the DS1 must have Clear Channel Capability as described in Section D.6. FT1 Service at a rate of N x 64 Kbps will only be provided where Clear Channel Capability is available in the network. Where Clear Channel Capability is not available, N x 56 Kbps service can be provided in lieu of N x 64 Kbps.

b. Description of Rate Elements

1) Special Access Line (SAL)

A Special Access Line provides the transmission facilities to a Customer Designated Location (CDL) or the facilities between a CDL and the serving wire center. One Special Access Line charge applies per CDL at which the facility is terminated. This charge applies even if the facilities to the CDL do not transmit a serving wire center; this charge also applies if the CDL and the serving wire center are co-located in a Telephone Company building.

2) Special Transport

The Special Transport rate element provides for the transmission facilities between the serving wire centers associated with two CDLs, between a serving wire center associated with an end user's CDL and a WATS Serving Office, between a serving wire center associated with a CDL and a Telephone Company Hub Wire Center or between two Telephone Company Hub Wire Centers.

The Special Transport element is distance sensitive and varies with type of capability (i.e., analog or digital). Special Transport may be provided by more than one telephone company.

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D. WIDEBAND DIGITAL SERVICE/1.544 MBPS (Cont'd)

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7. Fractional T1 Service (FT1) (Cont'd)

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b. Description of Rate Elements (Cont'd)

3) Special Transport Termination

The Special Transport Termination rate element applies to Fractional T1 Service and is in addition to the Special Transport rate element. Special Transport Termination provides the equipment and arrangements necessary to terminate the Special Transport facility at a serving wire center. One Special Transport Termination charge applies for the termination of each end of a Special Transport facility for Wideband Digital Service offerings. For Fractional T1 Service, Special Transport Termination must be ordered as Fractional Special Transport Termination in the same grouping (N x 56 Kbps or N x 64 Kbps where N = 2, 4, or 6) as the associated FT1 SALs.

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D. WIDEBAND DIGITAL SERVICE/1.544 MBPS (Cont'd)

7. Fractional T1 Service (FT1) (Cont'd)

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c. Optional Payment Plan (OPP)

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1) General

- (a) The terms and conditions specified herein are applicable to FT1 service. Additional terms and conditions for FT1 OPP are set forth in Section c.(0).
- (b) Only the Special Access Line (SAL) rate element is available under an OPP. All other associated rate elements or additional features are available at the standard month-to-month tariffed rates and regulations.
- (c) FT1 OPP SAL rates will not be greater than standard month-to-month SAL rates.
- (d) Three year and five year OPP rates will be equal to or less than the one year OPP rates. Decreases to the one year OPP will flow through to the three year and five year OPP.
- (e) Payment periods of one year, three year, and five year are available to all customers at the applicable rates set forth in Section 7.d. regardless of when they subscribe to an OPP arrangement.
- (f) The customer must designate on the order the payment period for the OPP.
- (g) Inside moves will not incur termination liability charges.
- (h) Outside moves will allow the customer to retain the same OPP payment period. Any other move will be treated as a disconnect of the service and termination liability charges will apply.

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7. Fractional T1 Service (FT1) (Cont'd)

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c. Optional Payment Plan (OPP) (Cont'd)

2) Changes in Length of OPP Period

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

- No credit toward the new payment period will be given for payments made under the original OPP Arrangement.
- Nonrecurring charges will not be reapplied for existing service(s).
- If the new OPP period is shorter in length than the time remaining under the existing OPP, the change to the new OPP period constitutes a disconnect of the existing OPP service and termination liability charges apply.

3) Renewal Options

- (a) At the expiration of an OPP period, the Telephone company will automatically renew the service at the same OPP period unless the customer chooses to convert to a different OPP period, convert to month-to-month rates or discontinue service.
- (b) Conversion to a different OPP period will require the customer to submit a change order. Conversion to a different OPP period will be allowed without application of any nonrecurring or ordering charges.
- (c) Conversion to month-to-month rates will be treated as a disconnect of service and establishment of new service. If no other changes are ordered, no NRCs will apply.

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D. WIDEBAND DIGITAL SERVICE/1.544 MBPS (Cont'd)

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7. Fractional T1 Service (FT1) (Cont'd)

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c. Optional Payment Plan (OPP) (Cont'd)

## 4) Notification of Discontinuance

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

## 5) Upgrade to Higher Speed Service

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

- The upgraded service will be subject to all appropriate nonrecurring charges.
- Termination liability charges will not apply as long as the upgraded service remains connected at the same point of termination(s).
- If the upgrade involves establishing a multiplexing arrangement, termination liability charges will not apply if the hub wire center is the same one associated with the customer designated location.

## 6) Termination Liability

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

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

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7. Fractional T1 Service (FT1) (Cont'd)

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c. Optional Payment Plan (OPP) (Cont'd)

6) Termination Liability (Cont'd)

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

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

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7. Fractional T1 Service (FT1) (Cont'd)

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c. Optional Payment Plan (OPP) (Cont'd)

6) Termination Liability (Cont'd)

Customer liability will be calculated as previously stated, but will be limited to:

The dollar difference between 1) the amount the customer has already paid and, 2) any additional charges that the customer would have paid for service if the customer had taken a shorter term offering corresponding to the term actually used.

For example, if a customer with a five year OPP discontinues service six months after the end of the third year, the customer liability will not exceed:

[(Three year monthly rate - Five year monthly rate) x 42 months]

7) Termination Without Liability

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

8) (Reserved for Future Use)

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D. WIDEBAND DIGITAL SERVICE/1.544 MBPS (Cont'd)

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7. Fractional T1 Service (FT1) (Cont'd)

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c. Optional Payment Plan (OPP) (Cont'd)

9) OPP for FT1 Service

A customer may change the number of channels of an N x 56 Kbps or N x 64 Kbps service to another higher value of N (where N = 2, 4, or 6), subject to the following rate applications:

- The changed service will be subject to all appropriate nonrecurring charges.
- Termination liability charges will not apply as long as the changed service remains connected at the same point of termination(s).
- If the change involves establishing a multiplexing arrangement, termination liability charges will not apply if the hub wire center is the same one associated with the customer designated location.

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7. Fractional T1 Service (FT1) (Cont'd)

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d. Rates and Charges

1) Fractional T1 Standard Arrangements

Customers subscribing to Fractional T1 Service, at rates set forth in D.7.d.3), will be assessed a nonrecurring charge. The NRC for Fractional T1 service will assessed per SAL.

2) Fractional T1 Optional Payment Plan (OPP) Arrangements

Customers subscribing to the Fractional T1 OPP arrangements, at rates set forth in D.7.d.4), will not be assessed a nonrecurring charge.

3) Standard Arrangements

(a) 2 x 56 Kbps or 2 x 64 Kbps

Special Access Line

(IOSC)	<u>Nonrecurring Charge</u> (95015)	<u>Monthly Rate</u> (95036)	<u>Special Transport</u> (95058)	<u>Special Transport Termination</u> (95052)
	\$450.00	\$121.00	\$6.00	\$20.00

(b) 4 x 56 Kbps or 4 x 64 Kbps

Special Access Line

(IOSC)	<u>Nonrecurring Charge</u> (95051)	<u>Monthly Rate</u> (95037)	<u>Special Transport</u> (95062)	<u>Special Transport Termination</u> (95054)
	\$450.00	\$129.00	\$7.00	\$30.00

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7. Fractional T1 Service (FT1) (Cont'd)

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d. Rates and Charges (Cont'd)

3) Standard Arrangements (Cont'd)

(c) 6 x 56 Kbps or 6 x 64 Kbps

Special Access Line

	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>	<u>Special Transport</u>	<u>Special Transport Termination</u>
(IOSC)	(95051)	(95036)	(95065)	(95056)
	\$450.00	\$136.00	\$8.00	\$40.00

4) FT1 Optional Payment Plan

(a) 2 x 56 Kbps or 2 x 64 Kbps

Special Access Line

	<u>One Year Monthly Rate</u>	<u>Three Year Monthly Rate</u>	<u>Five Year Monthly Rate</u>	<u>Special Transport</u>	<u>Special Transport Termination</u>
(IOSC)	(95039)	(95040)	(95041)	(95058)	(95052)
	\$110.00	\$99.00	\$88.00	\$6.00	\$20.00

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7. Fractional T1 Service (FT1) (Cont'd)

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d. Rates and Charges (Cont'd)

4) FT1 Optional Payment Plan (Cont'd)

(b) 4 x 56 Kbps or 4 x 64 Kbps

Special Access Line

	One Year <u>Monthly Rate</u>	Three Year <u>Monthly Rate</u>	Five Year <u>Monthly Rate</u>	Special <u>Transport</u>	Special <u>Transport</u> Termination
(IOSC)	(95042)	(95043)	(95044)	(95062)	(95054)
	\$120.00	\$108.00	\$96.00	\$7.00	\$30.00

(c) 6 x 56 Kbps or 6 x 64 Kbps

Special Access Line

	One Year <u>Monthly Rate</u>	Three Year <u>Monthly Rate</u>	Five Year <u>Monthly Rate</u>	Special <u>Transport</u>	Special <u>Transport</u> ) Termination
(IOSC)	(95045)	(95046)	(95047)	(95065)	(95056)
	\$130.00	\$117.00	\$104.00	\$8.00	\$40.00

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## F. FRAME RELAY SERVICE

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## 1. Service Description

Frame Relay Service (FRS) is a "fast packet" network service that permits the transmission of data at speeds of 56/64 \* Kbps, 128 Kbps, 256 Kbps, 384 Kbps, DS1 or DS3 using Permanent Virtual Circuits (PVCs). Permanent Virtual Circuits (PVCs) are logical circuits that define a specific path for data sent by the customer to another location. These circuits are virtual because they are established in software tables and do not tie up capacity when not in use. This also allows multiple PVCs to be defined over a single access line, thereby providing a single access line the capability to transmit data to multiple destinations. In operation of Frame Relay Service, Customer Premises Equipment (CPE), such as routers, encapsulate arriving data into variable length frames. These frames contain information identifying which PVC in the network should be used to forward the frame to the proper destination. The CPE then sends the frame into the Frame Relay network. The Frame Relay switch reads identifying information and routes the frame to the proper destination based on a preestablished PVC path.

The statistical multiplexing Frame Relay switches are able to provide shared network resources to end users of this service.

Frame Relay Service conforms to ITU-T (Telecommunication Standardization Bureau of the International Telecommunication Union formerly Consultative Committee for International Telegraph and Telephone ([CCITT]) and American National Standards Institute (ANSI) publications T1.602, T1.606, T1.617 and T1.618).

The Committed Information Rate (CIR) and the Excess Burst Size [B(e)] are traffic management parameters that allow the customer to fine tune implementation of Frame Relay Service.

Clear Channel Capability will be provided upon request and where deemed applicable by the Company. Special Construction charges may apply.

The Optional Payment Plan (OPP) arrangements are available as set forth under Section F.6. of this tariff.

Frame Relay Service, as provided for herein, is offered for intrastate intraLATA use only.

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JI-2015-0079Kenneth Matzdorff  
Chief Operating Officer  
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**DIGITAL DATA TRANSMISSION SERVICE**

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F. FRAME RELAY SERVICE (Cont'd)

2. Service Provisioning

Frame Relay is a transport service that facilitates the exchange of variable length information units (frames) between end user connections by way of assigned virtual connections. Each frame is passed to the Frame Relay network with an address that specifies the virtual connection.

Variable frame length capability is useful in communications between a synchronous Local Area Networks (LANs) and for transport of synchronous data traffic. Frame Relay is capable of handling the requirements of bursty data sources because of the ability of the service to allocate additional bandwidth when not in use by other sources.

Frame Relay is provided to the customer in the form of the Frame Relay User-to-Network Interface (UNI) Port with Access Line, or Frame Relay UNI Port Only, Frame Relay Network-to-Network (NNI) Port Only, Frame Relay Public NNI based on Committed Information Rate (CIR), and CIR-based Permanent Virtual Circuits (PVCs). The Frame Relay Access Line forms the component which provides the customer access to the customer's serving wire center and interoffice transport from the customer's serving wire center to the Frame Relay Switch. The Frame Relay Access line is provided for use only with Frame Relay Service. DS3 Frame Relay Service is not offered bundled with the Frame Relay Access Line. DS3 Frame Relay Service is available on a UNI or NNI port only basis. The Company may setup access arrangements on behalf of the Customer. Access facilities arranged by the Company will be billed at the rates provided by the underlying carrier. Any special construction or non-standard charges assessed by the carrier supplying the local access will also be the responsibility of the Customer.

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F. FRAME RELAY SERVICE (Cont'd)

2. Service Provisioning

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Frame Relay is a transport service that facilitates the exchange of variable length information units (frames) between end user connections by way of assigned virtual connections. Each frame is passed to the Frame Relay network with an address that specifies the virtual connection.

Variable frame length capability is useful in communications between a synchronous Local Area Networks (LANs) and for transport of synchronous data traffic. Frame Relay is capable of handling the requirements of bursty data sources because of the ability of the service to allocate additional bandwidth when not in use by other sources.

Frame Relay is provided to the customer in the form of the Frame Relay User-to-Network Interface (UNI) Port with Access Line, or Frame Relay UNI Port Only, Frame Relay Network-to-Network (NNI) Port Only, Frame Relay Public NNI based on Committed Information Rate (CIR), and CIR-based Permanent Virtual Circuits (PVCs). The Frame Relay Access Line forms the component which provides the customer access to the customer's serving wire center and interoffice transport from the customer's serving wire center to the Frame Relay Switch. The Frame Relay Access line is provided for use only with Frame Relay Service and where pre-established by the Telephone Company. DS3 Frame Relay Service is not offered bundled with the Frame Relay Access Line. DS3 Frame Relay Service is available on a UNI or NNI port only basis and the DS3 access line is obtained on an Individual Case Basis. The Frame Relay UNI or NNI Port Only offerings are provided for digital special access line connections to the network supporting Frame Relay Service. Digital special access lines (local channels) are available from Section C. and D. of this Tariff.

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F. FRAME RELAY SERVICE (Cont'd)

2. Service Provisioning (Cont'd)

PVCs are provisioned on either 56/64 Kbps, 128 Kbps, 256 Kbps, 384 Kbps, 512 Kbps, 768 Kbps, DS1 or DS3 ports, depending upon the customer's request. The actual throughput of aggregated PVC bandwidths in use at the same time on the same port cannot exceed the port speed. Since multiple PVCs may be defined on one physical port, it is possible for the cumulative CIRs to exceed the physical bandwidth of that port. This is referred to as over-subscription and when this occurs, there can be no guarantee that the CIR defined for that port and PVC will be available at any point in time. (C)

No PVC can have a CIR greater than the lower of the two port speeds connected by the PVC segment.

A PVC must be associated with at least one Frame Relay Port. A Frame Relay Port can be associated with multiple PVCs.

A customer subscribing to a FRS port or port with access line will be referred to as the Controller of the Frame Relay Port. A separate entity may subscribe, with written authorization from the Controller, to a PVC which allows communication between entities. A disconnect of a PVC does not result in the disconnect of the underlying access line and port. Only the Controller may order the disconnect of the Frame Relay Access Service. Both customers must have a Frame Relay Service. The Controller of each Frame Relay Access Service must have written permission from the Controller(s) of each of the Frame Relay Services to which a PVC is requested.

The Frame Relay Port with PVC-CIR capacity may be ordered and billed separately from an associated frame relay port and PVC and can have different customers as Controllers.

CIR is the maximum information rate at which the customer's traffic will be admitted to the Frame Relay Network without being designated eligible for discard. The Committed Information Rate (CIR) and Excess Burst Size [B(e)] are traffic management parameters that allow the customer to fine tune implementation of Frame Relay Service.

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F. FRAME RELAY SERVICE (Cont'd)

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2. Service Provisioning (Cont'd)

PVCs are provisioned on either 56/64 Kbps, 128 Kbps, 256 Kbps, 384 Kbps, DS1 or DS3 ports, depending upon the customer's request. The actual throughput of aggregated PVC bandwidths in use at the same time on the same port cannot exceed the port speed. Since multiple PVCs may be defined on one physical port, it is possible for the cumulative CIRs to exceed the physical bandwidth of that port. This is referred to as over-subscription and when this occurs, there can be no guarantee that the CIR defined for that port and PVC will be available at any point in time.

No PVC can have a CIR greater than the lower of the two port speeds connected by the PVC segment.

A PVC must be associated with at least one Frame Relay Port. A Frame Relay Port can be associated with multiple PVCs.

A customer subscribing to a FRS port or port with access line will be referred to as the Controller of the Frame Relay Port. A separate entity may subscribe, with written authorization from the Controller, to a PVC which allows communication between entities. A disconnect of a PVC does not result in the disconnect of the underlying access line and port. Only the Controller may order the disconnect of the Frame Relay Access Service. Both customers must have a Frame Relay Service. The Controller of each Frame Relay Access Service must have written permission from the Controller(s) of each of the Frame Relay Services to which a PVC is requested.

The Frame Relay Port with PVC-CIR capacity may be ordered and billed separately from an associated frame relay port and PVC and can have different customers as Controllers.

CIR is the maximum information rate at which the customer's traffic will be admitted to the Frame Relay Network without being designated eligible for discard. The Committed Information Rate (CIR) and Excess Burst Size [B(e)] are traffic management parameters that allow the customer to fine tune implementation of Frame Relay Service.

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F. FRAME RELAY SERVICE (Cont'd)

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2. Service Provisioning (Cont'd)

The Telephone Company does not undertake to originate data, but offers the use of its service components, where available, to customers for the purpose of transporting customer-originated data.

Frame Relay Service is available where facilities and conditions permit.

Occasionally, in order to perform software updates and other maintenance, it may be necessary to take the Frame Relay Switch out of service, during the predetermined maintenance window 12:01am to 06:00am. In these cases, all attempts will be made to notify the customer in advance as to the time and duration of these outages. The Telephone Company reserves the right to temporarily interrupt Frame Relay Service at other times in emergency situations.

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**DIGITAL DATA TRANSMISSION SERVICE**

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F. FRAME RELAY SERVICE (Cont'd)

3. Definitions

Committed Information Rate (CIR) - The term "Committed Information Rate (CIR)" denotes the maximum information rate at which customer traffic will be admitted to the Frame Relay network without being designated eligible for discard. (C)

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Customer Designated Location (CDL) - The geographic location designated by the customer at which an access component of the customer's service is first considered to enter the Company's network.

Excess Burst Size [B(e)] - The term "Excess Burst Size [B(e)]" denotes the data rate above Committed Information Rate (CIR) at which customer data will be admitted to the Frame Relay network. All Excess Burst data admitted to the network will be designated discard eligible.

Frame - The term "Frame" denotes a group of data bits, in specific format, with a flag at either end to indicate the beginning and end of the frame. The defined format enables network equipment to recognize the meaning and purpose of specific bits.

Frame Relay Access Line - Provides access to the Frame Relay Network connecting customer facilities at the network interface with a corresponding Frame Relay Port.

Frame Relay Port - The term "Frame Relay Port" denotes, for Frame Relay Service, the physical entry points for access lines and the originating and terminating points for Permanent Virtual Circuits (PVCs). Ports include the electronic equipment used in connecting these service elements to the frame Relay Network and enable customers to allocate bandwidth to applications, as needed, at customer designated transmission speeds between 56/64 Kbps to 45 Mbps.

Local Area Network (LAN) - A network permitting the interconnection and intercommunication of a group of computers, primarily for the sharing of resources such as data storage devices and printers.

Logical Channel - The term "Logical Channel" denotes a communication channel which allows two-way simultaneous transmission of data packets through the network. No circuit capability is preassigned to a logical channel. Capacity is made available as the data is transmitted. Each virtual connection utilizes one logical channel.

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F. FRAME RELAY SERVICE (Cont'd)

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3. Definitions

Committed Information Rate (CIR) - The maximum information rate at which customer traffic will be admitted to the Frame Relay network without being designated eligible for discard.

Customer Designated Location (CDL) - The geographic location designated by the customer at which an access component of the customer's service is first considered to enter the Company's network.

Excess Burst Size [B(e)] - The term "Excess Burst Size [B(e)]" denotes the data rate above Committed Information Rate (CIR) at which customer data will be admitted to the Frame Relay network. All Excess Burst data admitted to the network will be designated discard eligible.

Frame - The term "Frame" denotes a group of data bits, in specific format, with a flag at either end to indicate the beginning and end of the frame. The defined format enables network equipment to recognize the meaning and purpose of specific bits.

Frame Relay Access Line - Provides access to the Frame Relay Network connecting customer facilities at the network interface with a corresponding Frame Relay Port.

Frame Relay Port - The term "Frame Relay Port" denotes, for Frame Relay Service, the physical entry points for access lines and the originating and terminating points for Permanent Virtual Circuits (PVCs). Ports include the electronic equipment used in connecting these service elements to the frame Relay Network and enable customers to allocate bandwidth to applications, as needed, at customer designated transmission speeds between 56/64 Kbps to 45 Mbps.

Local Area Network (LAN) - A network permitting the interconnection and Intercommunication of a group of computers, primarily for the sharing of resources such as data storage devices and printers.

Logical Channel - The term "Logical Channel" denotes a communication channel which allows two-way simultaneous transmission of data packets through the network. No circuit capability is preassigned to a logical channel. Capacity is made available as the data is transmitted. Each virtual connection utilizes one logical channel.

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F. FRAME RELAY SERVICE (Cont'd)

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3. Definitions (Cont'd)

Maximum burst Rate (MBR) - The term "Maximum Burst Rate (MBR)" denotes the maximum information rate at which customer traffic will be admitted to the Frame Relay network. Traffic rates in excess of MBR will be automatically discarded on ingress to the network. Maximum Burst Rate is equal to the sum of the Committed Information Rate (CIR) and Excess Burst Size [B(e)].

Network Interface (NI) - The point at which a customer's data transmission first enters the network supporting Frame Relay Service is the Network Interface (NI). It is the point of interconnection between Company communications facilities and customer terminal equipment.

Network to Network Interface (NNI) - A connection between one carrier's frame relay network and another carrier's frame relay network.

Permanent Virtual Circuit (PVC) - The term "Permanent Virtual Circuit (PVC)" denotes a logical channel defined in software, that establishes a path from one customer port to another.

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F. FRAME RELAY SERVICE (Cont'd)

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3. Definitions (Cont'd)

Protocol - A set of conditions for conducting interactions between two or more terminals, host or peripherals. These conditions consist of syntax (header structure), semantics (actions and reactions that are supposed to occur) and timing (relative ordering and duration of states and events).

Statistical Multiplexing - A multiplexing technique in which timeslots are dynamically allocated on the basis of need rather than being predetermined. The data is typically transmitted on a first come, first served basis.

User to Network Interface (UNI) - A connection between end user equipment and the frame relay network.

Virtual Circuit - A logical transmission channel established to a network address. The logical channel exists for a period of time until either end of the channel terminates the transmission.

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F. FRAME RELAY SERVICE (Cont'd)

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4. Obligations of the Telephone Company

In addition to the general conditions described in Section B, when a customer requests a path which is related to other Local Exchange Carriers, Interexchange Carriers or other Frame Relay networks, the Telephone Company will provide assistance in establishing the associated PVC.

The Telephone Company has the service responsibility up to and including the network interface.

5. Obligations of the Customer

In addition to the general conditions described in Section B:

- The customer's Frame Relay terminal equipment has the responsibility for retransmitting frames which are discarded due to errors or network congestion.
- The customer, upon request, shall furnish such information as may be required to permit the Telephone Company to design and maintain the Frame Relay Service it offers and to assure that the service arrangement is in compliance with the regulations contained herein.
- It shall be the responsibility of the customer to ensure the continuing compatibility of the customer-provided equipment (CPE) that is used in conjunction with the Frame Relay Service. The CPE shall be in compliance with FCC rules and regulations.
- The customer shall be responsible for obtaining permission for the Telephone Company's agents or employees to enter the premises of the customer or its users 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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## F. FRAME RELAY SERVICE (Cont'd)

MISSOURI  
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- At service subscription, the customer should specify the CIR and B(e) of each PVC ordered. CIR is the maximum information rate at which the customer's traffic will be admitted to the Frame Relay network without being designated eligible for discard. A default of fifty (50) percent of the smallest port size will be assigned as the CIR should the information not be provided. One hundred percent CIR will be allowed when conditions and infrastructure permit. The excess burst size will be defaulted to zero.
- Error correction is the responsibility of the customer's terminal equipment and/or applications. If the FRS network experiences congestion or failures, customer data may be discarded. In addition, frames that are received in excess of the B(e), with bad addresses, or other errors, will be discarded on ingress to the network.

6. Rate Regulations

## a. Minimum Period

The minimum period for Frame Relay Service is one month, except when provided under an Optional Payment Plan (OPP) arrangement. The regulations applicable to Frame Relay Service provided under an OPP arrangement are specified under Section F.6.d. CIR based PVCs and Public NNI access are not offered under an OPP. When PVCs are added to existing Frame Relay Service, the minimum period for the added PVCs is one month.

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**F. FRAME RELAY SERVICE (Cont'd)**

**6. Rate Regulations (Cont'd)**

**b. Rate Elements**

**1) Frame Relay UNI Port and Access Line**

A nonrecurring charge and a monthly rate, based on the speed of the port connection (i.e., 56/64 Kbps, 128 Kbps, 256 Kbps, 384 Kbps 512 Kbps, 768 Kbps or DS1), apply per port for each Frame Relay Access Line or digital private line connection to the network supporting Frame Relay Service. Each port can accommodate multiple PVCs.

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Customers who subscribe to an arrangement of at least 100 Frame Relay UNI Port and Access Line circuits may be eligible for pricing on a customer specific basis. If the number of circuits in the arrangement falls below 100, the price will revert to the applicable rates set forth under F.7.

**2) Frame Relay UNI Port Only**

The User-to-Network Interface (UNI) port provides for an end user to carrier connection. A nonrecurring charge and monthly rate, based on the speed of the port connection, apply per port for each Frame Relay Access Line or digital private line connection to the network supporting Frame Relay Service. The digital private line connection can be provided via a special access line and special transport to the nearest Telephone Company Frame Relay serving wire center, if applicable, offered in Sections C. and D. of this tariff.

**3) Frame Relay Private NNI Port Only**

The Private Network-to-Network Interface (NNI) port provides for connecting two networks together for Frame Relay Service, which is dedicated to one customer. A nonrecurring charge and monthly rate, based on the speed of the port connection, apply per port for each digital private line connection to the network supporting Frame Relay Service. The digital private line connection can be provided via a special access line and special transport, if applicable, offered in Sections C. and D. of this tariff.

**4) Frame Relay CIR-PVC**

A monthly rate applies for each PVC based on the CIR requested by the customer. The subscriber to Frame Relay Service must specify the CIR for each PVC at the time of the order.

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F. FRAME RELAY SERVICE (Cont'd)

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6. Rate Regulations (Cont'd)

b. Rate Elements

1) Frame Relay UNI Port and Access Line

A nonrecurring charge and a monthly rate, based on the speed of the port connection (i.e., 56/64 Kbps, 128 Kbps, 256 Kbps, 384 Kbps or DS1), apply per port for each Frame Relay Access Line or digital private line connection to the network supporting Frame Relay Service. Each port can accommodate multiple PVCs.

Customers who subscribe to an arrangement of at least 100 Frame Relay UNI Port and Access Line circuits may be eligible for pricing on a customer specific basis. If the number of circuits in the arrangement falls below 100, the price will revert to the applicable rates set forth under F.7. (N)

2) Frame Relay UNI Port Only

The User-to-Network Interface (UNI) port provides for an end user to carrier connection. A nonrecurring charge and monthly rate, based on the speed of the port connection, apply per port for each Frame Relay Access Line or digital private line connection to the network supporting Frame Relay Service. The digital private line connection can be provided via a special access line and special transport to the nearest Telephone Company Frame Relay serving wire center, if applicable, offered in Sections C. and D. of this tariff.

3) Frame Relay Private NNI Port Only

The Private Network-to-Network Interface (NNI) port provides for connecting two networks together for Frame Relay Service, which is dedicated to one customer. A nonrecurring charge and monthly rate, based on the speed of the port connection, apply per port for each digital private line connection to the network supporting Frame Relay Service. The digital private line connection can be provided via a special access line and special transport, if applicable, offered in Sections C. and D. of this tariff.

4) Frame Relay CIR-PVC

A monthly rate applies for each PVC based on the CIR requested by the customer. If no CIR is indicated, the CIR will be set at the default of 50% of the associated Frame Relay Port. One hundred percent CIR will be allowed when conditions and infrastructure permit.

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F. FRAME RELAY SERVICE (Cont'd)

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6. Rate Regulations (Cont'd)

b. Rate Elements

1) Frame Relay UNI Port and Access Line

A nonrecurring charge and a monthly rate, based on the speed of the port connection (i.e., 56/64 Kbps, 128 Kbps, 256 Kbps, 384 Kbps or DS1), apply per port for each Frame Relay Access Line or digital private line connection to the network supporting Frame Relay Service. Each port can accommodate multiple PVCs.

2) Frame Relay UNI Port Only

The User-to-Network Interface (UNI) port provides for an end user to carrier connection. A nonrecurring charge and monthly rate, based on the speed of the port connection, apply per port for each Frame Relay Access Line or digital private line connection to the network supporting Frame Relay Service. The digital private line connection can be provided via a special access line and special transport to the nearest Telephone Company Frame Relay serving wire center, if applicable, offered in Sections C. and D. of this tariff.

3) Frame Relay Private NNI Port Only

The Private Network-to-Network Interface (NNI) port provides for connecting two networks together for Frame Relay Service, which is dedicated to one customer. A nonrecurring charge and monthly rate, based on the speed of the port connection, apply per port for each digital private line connection to the network supporting Frame Relay Service. The digital private line connection can be provided via a special access line and special transport, if applicable, offered in Sections C. and D. of this tariff.

4) Frame Relay CIR-PVC

A monthly rate applies for each PVC based on the CIR requested by the customer. If no CIR is indicated, the CIR will be set at the default of 50% of the associated Frame Relay Port. One hundred percent CIR will be allowed when conditions and infrastructure permit.

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F. FRAME RELAY SERVICE (Cont'd)

6. Rate Regulations (Cont'd)

b. Rate Elements (Cont'd)

4) Frame Relay CIR-PVC (Cont'd)

No PVC can have a CIR greater than the lower of the two port speeds connected by the PVC segment and the actual throughput of aggregated PVC bandwidths in use at the same time on the same port cannot exceed the port speed. Since all PVCs need not be in use at the same time, it is possible for the total bandwidth of all CIR-PVCs associated with one Frame Relay Access Line to exceed the bandwidth of that Frame Relay Access Line. This is referred to as over-subscription and when this occurs, there can be no guarantee that the CIR defined for any PVC connected to that port will be available at any point in time.

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Customers may purchase Express PVC-1 or Express PVC-2, to prioritize PVCs, at a higher rate and in lieu of CIR-PVCs. Express PVC will help to ensure maximum performance and satisfaction for applications. The above CIR conditions apply to Express PVC.

If the information provided by the Customer on the requested PVCs results in an interstate arrangement, the PVC falls under federal jurisdiction and the CIR from Company's FCC Tariff (NECA FCC No. 5) is applicable.

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5) Frame Relay Public NNI Access

The public Network-to-Network (NNI) access connections are shared among several customers whose data traffic traverses the link. The monthly rate is applied based on the CIR requested by the customer. Public NNI access will be provisioned where pre-established.

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(M) Material moved to Sheet 84.1.

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- F. FRAME RELAY SERVICE (Cont'd)
  - 6. Rate Regulations (Cont'd)
    - b. Rate Elements (Cont'd)
      - 4) Frame Relay CIR-PVC (Cont'd)

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Customers may purchase Express PVC-1 or Express PVC-2, to prioritize PVCs, at a higher rate than CIR-PVCs. Express PVC will help to ensure maximum performance and satisfaction for applications such as voice over Frame Relay. The above conditions apply to Express PVC.

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- 5) Frame Relay Public NNI Access  
The public Network-to-Network (NNI) access connections are shared among several customers whose data traffic traverses the link. The monthly rate is applied based on the CIR requested by the customer. Public NNI access will be provisioned where pre-established.

- 6) CIR-PVC Subsequent Order Charge  
When a customer orders additional PVCs or B(e) or changes PVC or B(e) assignments on a Frame Relay port after the initial port installation, the CIR-PVC Subsequent Order Charge will apply per order.

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- 7) Excess Burst Size [B(e)]  
For port size of 256 Kbps or higher, a burst size monthly recurring charge may be applicable. B(e) is uncommitted data.

- 8) Frame Relay PVC - Interzone  
A monthly rate applies for the PVC CIR capacity for each interzone PVC requested by Customer. This rate allows Customer connectivity to any other Customer site within the state.

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Customers may purchase Priority 1 or Priority 2 PVCs to prioritize PVCs at a higher rate and in lieu of CIR-PVCs. Priority PVCs will help ensure maximum performance and satisfaction for applications such as voice over Frame Relay.

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(M) Material moved to Sheet 84.1.

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F. FRAME RELAY SERVICE (Cont'd)

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6. Rate Regulations (Cont'd)

b. Rate Elements (Cont'd)

4) Frame Relay CIR-PVC (Cont'd)

Customers may purchase Express PVC-1 or Express PVC-2, to prioritize PVCs, at a higher rate than CIR-PVCs. Express PVC will help to ensure maximum performance and satisfaction for applications such as voice over Frame Relay. The above conditions apply to Express PVC.

5) Frame Relay Public NNI Access

The public Network-to-Network (NNI) access connections are shared among several customers whose data traffic traverses the link. The monthly rate is applied based on the CIR requested by the customer. Public NNI access will be provisioned where pre-established.

6) CIR-PVC Subsequent Order Charge

When a customer orders additional PVCs or B(e) or changes PVC or B(e) assignments on a Frame Relay port after the initial port installation, the CIR-PVC Subsequent Order Charge will apply per order.

7) Excess Burst Size [B(e)]

For port size of 256 Kbps or higher, a burst size monthly recurring charge may be applicable. B(e) is uncommitted data.

c. Rate Application

A customer may access Frame Relay Service via a Frame Relay Access Line or via Telephone Company provided digital access facilities offered under Sections C. and D. If a customer utilizes a special access line to access FRS, the associated regulations, rates and charges for such facilities shall apply in addition to the rates and charges associated with the FRS rate elements.

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MAR 16 2003  
By ISRS 84  
Public Service Commission  
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00 - 182  
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Chief Operating Officer  
Kansas City, Missouri

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**F. FRAME RELAY SERVICE (Cont'd)**

**6. Rate Regulations (Cont'd)**

**b. Rate Elements (Cont'd)**

**6) CIR-PVC Subsequent Order Charge**

When a customer orders additional PVCs or B(e) or changes PVC or B(e) assignments on a Frame Relay port after the initial port installation, the CIR-PVC Subsequent Order Charge will apply per order.

(M)

**7) Excess Burst Size [B(e)]**

For port size of 256 Kbps or higher, a burst size monthly recurring charge may be applicable. B(e) is uncommitted data.

(M)

**8) Frame Relay PVC - Interzone**

A monthly rate applies for the PVC CIR capacity for each interzone PVC requested by Customer. This rate allows Customer connectivity to any other Customer site within the state.

Customers may purchase Priority 1 or Priority 2 PVCs to prioritize PVCs at a higher rate and in lieu of CIR-PVCs. Priority PVCs will help ensure maximum performance and satisfaction for applications such as voice over Frame Relay.

**c. Rate Application**

A customer may access Frame Relay Service via a Frame Relay Access Line or via Telephone Company provided digital access facilities offered under Sections C. and D. If a customer utilizes a special access line to access FRS, the associated regulations, rates and charges for such facilities shall apply in addition to the rates and charges associated with the FRS rate elements.

(M) Material moved from Sheet 84.

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Kenneth Matzdorff  
Chief Operating Officer  
Wentzville, MO 63385

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F. FRAME RELAY SERVICE (Cont'd)

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6. Rate Regulations (Cont'd)

c. Rate Application

(M)

A customer may access Frame Relay Service via a Frame Relay Access Line or via Telephone Company provided digital access facilities offered under Sections C. and D. If a customer utilizes a special access line to access FRS, the associated regulations, rates and charges for such facilities shall apply in addition to the rates and charges associated with the FRS rate elements.

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## F. FRAME RELAY SERVICE (Cont'd)

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## 6. Rate Regulations (Cont'd)

## c. Rate Application (Cont'd)

A customer utilizing special access facilities to access FRS would incur the monthly rate and nonrecurring charge associated with the Frame Relay UNI or NNI Port Only charge set forth under Sections F.7.a.2) or F.7.a.3) respectively for standard arrangements. The UNI Port provides for a user to frame relay switch connection; the NNI Port provides for a frame relay switch to frame relay switch connection.

The Frame Relay Access Line and its associated PVC segment(s) may be ordered and billed separately from an associated frame relay port and PVC and can have different Controllers, as discussed under Section F.2. A request by one customer to discontinue a PVC does not result in the disconnection of the Frame Relay Access Line and Port. Only the Controller of a Frame Relay Access Line may authorize a disconnect of that line.

Administrative changes to existing service will be made without charge(s) to the customer. Administrative changes are as follows:

- b Change of customer name, i.e., the customer or record does not change but rather the name of record changes its name, e.g., XYZ Company to XYZ Communications,
- b Change of customer premises address when the change of address is not a result of a physical relocation of facilities,
- b Change in billing data (name, address, or contact name or telephone number),
- b Change of customer contact name or telephone number, and
- b Change of customer service element identification.

## d. Optional Payment Plan (OPP)

## 1) General

- (a) The terms and conditions specified herein are applicable to IntraLATA Frame Relay Service and are in addition to other regulations as specified in this tariff.

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## F. FRAME RELAY SERVICE (Cont'd)

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## 6. Rate Regulations (Cont'd)

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## d. Optional Payment Plan (OPP) (Cont'd)

## 1) General (Cont'd)

- (b) The Frame Relay UNI Port with Access Line, the Frame Relay UNI or NNI Port Only rate elements are available under an OPP. CIR-PVC and Public NNI rate elements are not offered under an OPP. Digital special access lines and additional features are available at their tariffed rates and regulations.
- (c) Frame Relay OPP rates will not be greater than standard month-to-month Frame Relay rates, for the same rate elements.
- (d) Three year and five year OPP rates will be equal to or less than the one year OPP rates. Decreases to the one year OPP rates will flow through to the three year and five year OPP rates.
- (e) Payment periods of one year, three years, and five years are available to all customers at the applicable rates set forth in Section F.7. regardless of when they subscribe to an OPP arrangement. Rate elements must be ordered under the same OPP period.
- (f) The customer must designate on the order the payment period for the OPP.
- (g) Inside moves, provided in accordance with Sections C. and D., will not incur termination liability charges.
- (h) Outside moves, provided in accordance with Sections C. and D., will allow the customer to retain the same OPP payment period. Any other move will be treated as a disconnect of the service and termination liability charges will apply.

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F. FRAME RELAY SERVICE (Cont'd)

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6. Rate Regulations (Cont'd)

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

2) Changes in Length of OPP Period

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

- No credit toward the new payment period will be given for payments made under the original OPP arrangement.
- Nonrecurring charges will not be reapplied for existing service(s).
- If the new OPP period is shorter in length than the time remaining under the existing OPP, the change to the new OPP period constitutes a discontinuance of the existing OPP service and termination liability charges apply.

3) Renewal Options

- (a) At the expiration of an OPP period, the Telephone Company will automatically renew the service at the same OPP period unless the customer chooses to convert to a different OPP period, convert to month-to-month rates or discontinue service.
- (b) Conversion to a different OPP period will require the customer to submit a change order. Conversion of existing OPP service to a different OPP period will be allowed without application of any nonrecurring or ordering charges.
- (c) Conversion to month-to-month rates will be treated as a disconnect of service and establishment of new service. However, if no other changes are ordered, no charge will apply.

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F. FRAME RELAY SERVICE (Cont'd)

6. Rate Regulations (Cont'd)

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

4) Notification of Discontinuance

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

5) Upgrade to Higher Speed Service

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

- The order to discontinue a service at an existing speed or capacity and the order for the upgraded service are received by the Company at the same time.
- The fixed period plan for the upgraded service(s) meets or exceeds the remaining length of the existing fixed-period plan.
- The total monthly rate of the new agreement is equal to or greater than the total monthly rate of the existing agreement period.
- The monthly rates for the upgraded services and/or service elements will be those in effect at the time of the service upgrade.
- Termination liability charges will not apply as long as the upgraded service remains connected at the same point of termination(s) or meets the requirements set forth in Sections C. and D., and is provided by the Telephone Company.

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## F. FRAME RELAY SERVICE (Cont'd)

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## 6. Rate Regulations (Cont'd)

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## d. Optional Payment Plan (OPP) (Cont'd)

## 5) Upgrade to Higher Speed Service (Cont'd)

- Nonrecurring charges will not apply to the upgraded Port or Port and Access Line.
- Nonrecurring charges will apply for all other services.

## 6) Termination Liability

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

Termination charges for Frame Relay Service (Port Only or Port and Access) will also apply if the minimal amount defined in the contract is not retained. Charges are set forth below with the penalty assessed for each service that falls below the minimum number.

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

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

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

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F. FRAME RELAY SERVICE (Cont'd)

6. Rate Regulations (Cont'd)

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

7) Termination without Liability

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

8) Credit of Termination Liability

Credit of termination liability charges for Frame Relay Services may be applicable in the case of re-establishment of similar Frame Relay Service of equal to or higher speeds within six months of termination for the same length of the OPP. The amount of credit will be one-sixth of the penalty times the number of months service is re-established until the sixth month.

e. Limited Availability of Rates for Certain Customers

The rates for Frame Relay circuits which traverse the serving areas of Spectra Communications Group, LLC, and GTE Midwest Incorporated d/b/a Verizon Midwest as a result of the sale of certain properties approved by the Missouri Public Service Commission in Case No. TM-2000-182, and which were in-service on August 1, 2000, will be maintained at the rates in effect prior to the sale and are limited to the existing locations and services in effect at the time of the sale.

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F. FRAME RELAY SERVICE (Cont'd)

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6. Rate Regulations (Cont'd)

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

7) Termination Without Liability

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

8) Credit of Termination Liability

Credit of termination liability charges for Frame Relay Services may be applicable in the case of re-establishment of similar Frame Relay Service of equal to or higher speeds within six months of termination for the same length of the OPP. The amount of credit will be one-sixth of the penalty times the number of months service is re-established until the sixth month.

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**DIGITAL DATA TRANSMISSION SERVICE**

F. FRAME RELAY SERVICE (Cont'd)

7. Rates and Charges (Cont'd)

a. Rates

	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>	(T)
1) Frame Relay UNI Port and Access, each or Frame Relay NNI Port and Access Line, each.			(C)
56/64 Kbps			
Month to Month	\$ 295.00	\$ 110.00	
One Year OPP	295.00	105.00	
Three Year OPP	295.00	95.00	
Five Year OPP	295.00	85.00	
128 Kbps			
Month to Month	395.00	200.00	
One Year OPP	395.00	180.00	
Three Year OPP	395.00	165.00	
Five Year OPP	395.00	160.00	
256 Kbps			
Month to Month	395.00	280.00	
One Year OPP	395.00	250.00	
Three Year OPP	395.00	235.00	
Five Year OPP	395.00	220.00	
384 Kbps			
Month to Month	395.00	365.00	
One Year OPP	395.00	345.00	
Three Year OPP	395.00	335.00	
Five Year OPP	395.00	320.00	(C)
512 Kbps			
Month to Month	395.00	420.00	(N)
One Year OPP	395.00	410.00	
Three Year OPP	395.00	395.00	
Five Year OPP	395.00	375.00	
768 Kbps			
Month to Month	395.00	460.00	
One Year OPP	395.00	445.00	
Three Year OPP	395.00	430.00	
Five Year OPP	395.00	415.00	(N)
DS1			
Month to Month	395.00	530.00	(C)
One Year OPP	395.00	510.00	
Three Year OPP	395.00	490.00	
Five Year OPP	395.00	470.00	(C)

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F. FRAME RELAY SERVICE (Cont'd)

APR 17 2004

7. Rates and Charges (Cont'd)

By *SPRS 96*  
Public Service Commission Missouri  
Public Service Commission Missouri

a. Rates

	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>	<u>IOSC</u>
1) Frame Relay UNI Port and Access, each			
56/64 Kbps*			14285 (NRC)
Month-to-Month	\$295.00	\$110.00	14269
One Year	295.00	105.00	14274
Three Years	295.00	95.00	14279
Five Years	295.00	85.00	14280
128 Kbps			14203 (NRC)
Month-to-Month	\$395.00	\$200.00	14221
One Year	395.00	180.00	14226
Three Years	395.00	165.00	14231
Five Years	395.00	160.00	14232
256 Kbps			14203 (NRC)
Month-to-Month	\$395.00	\$280.00	14237
One Year	395.00	250.00	14242
Three Years	395.00	235.00	14247
Five Years	395.00	220.00	14248
384 Kbps			14203 (NRC)
Month-to-Month	\$395.00	\$365.00	14253
One Year	395.00	345.00	14258
Three Years	395.00	335.00	14263
Five Years	395.00	320.00	14264
DS1 (1.536 Mbps)			14220 (NRC)
Month-to-Month	\$395.00	\$530.00	14204
One Year	395.00	510.00	14209
Three Years	395.00	490.00	14214
Five Years	395.00	470.00	14215

\* Where conditions allow.

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DIGITAL DATA TRANSMISSION SERVICE

F. FRAME RELAY SERVICE (Cont'd)

7. Rates and Charges (Cont'd)

2)	a. Rates (Cont'd)	Nonrecurring Charge	Monthly Rate	(T)
	Frame Relay UNI Port Only, each **			(T)
	56/64 Kbps***			
	Month to Month	\$ 80.00	\$ 45.00	(T)
	One Year OPP	80.00	43.00	
	Three Year OPP	80.00	41.00	
	Five Year OPP	80.00	38.00	
	128 Kbps			
	Month to Month	150.00	80.00	(T)
	One Year OPP	150.00	75.00*	(C)
	Three Year OPP	150.00	70.00*	(C)
	Five Year OPP	150.00	68.00	(T)
	256 Kbps			
	Month to Month	150.00	115.00	(T)
	One Year OPP	150.00	110.00*	(C)
	Three Year OPP	150.00	105.00*	(C)
	Five Year OPP	150.00	100.00	(T)
	384 Kbps			
	Month to Month	150.00	160.00	(T)
	One Year OPP	150.00	150.00*	(C)
	Three Year OPP	150.00	140.00*	(C)
	Five Year OPP	150.00	130.00	(T)
	512 Kbps			
	Month to Month	150.00	210.00	(N)
	One to Two Year OPP	150.00	200.00*	
	Three to Four Year OPP	150.00	185.00*	
	Five Year OPP	150.00	170.00	
	768 Kbps			
	Month to Month	150.00	250.00	
	One Year OPP	150.00	240.00*	
	Three Year OPP	150.00	225.00*	
	Five Year OPP	150.00	210.00	(N)
	DS1 (1.536 Mbps)			
	Month to Month	395.00	180.00	(T)
	One Year OPP	395.00	150.00*	(C)
	Three Year OPP	395.00	140.00*	(C)
	Five Year OPP	395.00	130.00	(T)

\* If UNI Port Only is provided in conjunction with Business Assist™ service (see applicable rates in the Exchange tariff (MO PSC #1), customers will receive the following discounts on the applicable Frame Relay UNI Port Only charges: One to Two Year OPP is a 30% Discount  
Three to Four Year OPP is a 50% Discount (N)

\*\* Refer to Sections C. and D. for local channel and interexchange mileage.

\*\*\* Where conditions allow.

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## F. FRAME RELAY SERVICE (Cont'd)

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## 7. Rates and Charges (Cont'd)

By *ISRS*  
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## a. Rates (Cont'd)

	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>	<u>IOSC</u>
2) Frame Relay UNI Port Only, each **			
56/64 Kbps *			14302 (NRC)
Month-to-Month	\$80.00 (R)	\$45.00	14145
One Year	80.00 (R)	43.00	14146
Three Years	80.00 (R)	41.00	14147
Five Years	80.00 (R)	38.00	14148
128 Kbps			14299 (NRC)
Month-to-Month	\$150.00 (R)	\$80.00	14149
One Year	150.00 (R)	75.00	14150
Three Years	150.00 (R)	70.00	14151
Five Years	150.00 (R)	68.00	14152
256 Kbps			14299 (NRC)
Month-to-Month	\$150.00 (R)	\$115.00	14153
One Year	150.00 (R)	110.00	14154
Three Years	150.00 (R)	105.00	14155
Five Years	150.00 (R)	100.00	14156
384 Kbps			14299 (NRC)
Month-to-Month	\$150.00 (R)	\$160.00	14157
One Year	150.00 (R)	150.00	14158
Three Years	150.00 (R)	140.00	14159
Five Years	150.00 (R)	130.00	14160
DS1 (1.536 Mbps)			14301 (NRC)
Month-to-Month	\$395.00 (R)	\$300.00	14161
One Year	395.00 (R)	285.00	14162
Three Years	395.00 (R)	265.00	14163
Five Years	395.00 (R)	245.00	14164

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\* Where conditions allow.

\*\* Refer to Sections C. and D. for local channel and interexchange rates.

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Kansas City, Missouri



**DIGITAL DATA TRANSMISSION SERVICE**

F. FRAME RELAY SERVICE (Cont'd)

7. Rates and Charges (Cont'd)

a. Rates (Cont'd)

	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>	(T)
2) Frame Relay UNI Port only, each ** (Cont'd)			
DS3 (44 Mbps)			
Month-to-Month	\$395.00	\$1180.00	(T)
One Year	395.00	1140.00*	(C)
Three Years	395.00	1090.00*	(C)
Five Years	395.00	1050.00	(T)
3) Frame Relay NNI Port only, each **			
56/64 Kbps ***			
Month-to-Month	\$55.00	\$30.00	(T)
One Year	55.00	27.00	
Three Years	55.00	23.00	
Five Years	55.00	20.00	
128 Kbps			
Month-to-Month	\$95.00	\$45.00	
One Year	95.00	40.00	
Three Years	95.00	35.00	
Five Years	95.00	30.00	
256 Kbps			
Month-to-Month	\$95.00	\$65.00	
One Year	95.00	60.00	
Three Years	95.00	55.00	
Five Years	95.00	50.00	
384 Mbps			
Month-to-Month	\$95.00	\$78.00	
One Year	95.00	75.00	
Three Years	95.00	72.00	
Five Years	95.00	69.00	(T)
* If UNI Port Only is provided in conjunction with Business Assist™ (see applicable rates in the Exchange tariff (PSC MO NO. 1), customers will receive the following discounts on the applicable Frame Relay UNI Port Only charges: One to Two Year OPP is a 30% Discount Three to Four Year OPP is a 50% Discount			(N)
** Refer to Sections C. and D. for local channel and interexchange mileage rates.			(N)
*** Where conditions allow.			

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F. FRAME RELAY SERVICE (Cont'd)

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7. Rates and Charges (Cont'd)

APR 17 2004

a. Rates (Cont'd)

By *SHRS 91.9*  
 Public Service Commission  
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Nonrecurring <u>Charge</u>	Monthly <u>Rate</u>	<u>IOSC</u>
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2) Frame Relay UNI  
 Port only, each \*\* (Cont'd)

DS3 (44 Mbps)			15464 (NRC)
Month-to-Month	\$395.00	\$1180.00	15460
One Year	395.00	1140.00	15461
Three Years	395.00	1090.00	15462
Five Years	395.00	1050.00	15463

3) Frame Relay NNI  
 Port only, each \*\*

56/64 Kbps *			54285 (NRC)
Month-to-Month	\$55.00	\$30.00	54286
One Year	55.00	27.00	54287
Three Years	55.00	23.00	54288
Five Years	55.00	20.00	54289
128 Kbps			54290 (NRC)
Month-to-Month	\$95.00	\$45.00	54291
One Year	95.00	40.00	54292
Three Years	95.00	35.00	54293
Five Years	95.00	30.00	54294
256 Kbps			54290 (NRC)
Month-to-Month	\$95.00	\$65.00	54295
One Year	95.00	60.00	54296
Three Years	95.00	55.00	54297
Five Years	95.00	50.00	54298
384 Mbps			54290 (NRC)
Month-to-Month	\$95.00	\$78.00	54299
One Year	95.00	75.00	54300
Three Years	95.00	72.00	54301
Five Years	95.00	69.00	54302

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\* Where conditions allow.

\*\* Refer to Sections C. and D. for local channel and interexchange rates.

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**DIGITAL DATA TRANSMISSION SERVICE**

F. FRAME RELAY SERVICE (Cont'd)

7. Rates and Charges (Cont'd)

a. Rates (Cont'd)

	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>	(T)
3) Frame Relay NNI Port only, each (Cont'd)			
DS1 (1,536 Mbps)			(T)
Month-to-Month	\$295.00	\$180.00	
One Year	295.00	170.00	
Three Years	295.00	160.00	
Five Years	295.00	150.00	
DS3 (44 Mbps)			
Month-to-Month	\$595.00	\$800.00	
One Year	595.00	750.00	
Three Years	595.00	725.00	
Five Years	595.00	700.00	
4) <u>250 Kbps - Burst (Be)</u>	--	\$ 2.00	(T)
5) <u>1 Mbps - Burst (Be)</u>	--	\$ 5.00	(T)
6) <u>Subsequent Ordering Charge (CIR, Be)</u>	\$20.00		(T)

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F. FRAME RELAY SERVICE (Cont'd)

MAY 10 2000

7. Rates and Charges (Cont'd)

**MISSOURI  
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a. Rates (Cont'd)

	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>	<u>IOSC</u>
3) Frame Relay NNI Port only, each * (Cont'd)			
DS1 (1,536 Mbps)			54303 (NRC)
Month-to-Month	\$295.00	\$180.00	54304
One Year	295.00	170.00	54305
Three Years	295.00	160.00	54306
Five Years	295.00	150.00	54307
DS3 (44 Mbps)			54308 (NRC)
Month-to-Month	\$595.00	\$800.00	54309
One Year	595.00	750.00	54310
Three Years	595.00	725.00	54311
Five Years	595.00	700.00	54312
4) <u>250 Kbps - Burst (Be)</u>	- -	\$ 2.00	54313
5) <u>1 Mbps - Burst (Be)</u>	- -	\$ 5.00	54314
6) <u>Subsequent Ordering Charge</u> <u>(CIR, Be)</u>	\$20.00	- -	54315 (NRC)

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\* Refer to Sections C. and D. for local channel and interexchange mileage Rates.

**DIGITAL DATA TRANSMISSION SERVICE**

F FRAME RELAY SERVICE (Cont'd)

7. Rates and Charges (Cont'd)

a. Rates (Cont'd)

	<u>Nonrecurring Charges</u>	<u>Monthly Rate</u>	
7) <u>Frame Relay Permanent Virtual Circuit CIR Capacity, Each Based on CIR Requested</u>			(T)
1 - 32 Kbps CIR	--	\$ 8.00	(T)
Express PVC-1	--	10.00	
Express PVC-2	--	8.80	
33 - 64 Kbps CIR	--	\$15.00	
Express PVC-1	--	18.75	
Express PVC-2	--	16.50	
65 - 96 Kbps CIR	--	\$22.00	
Express PVC-1	--	27.50	
Express PVC-2	--	24.20	
97 - 128 Kbps CIR	--	\$27.00	
Express PVC-1	--	33.75	
Express PVC-2	--	29.70	
129 - 192 Kbps CIR	--	\$36.00	
Express PVC-1	--	45.00	
Express PVC-2	--	39.60	
193 - 256 Kbps CIR	--	\$42.00	
Express PVC-1	--	52.50	
Express PVC-2	--	46.20	
257 - 320 Kbps CIR	--	\$48.00	
Express PVC-1	--	60.00	
Express PVC-2	--	52.80	
321 - 384 Kbps CIR	--	\$54.00	
Express PVC-1	--	67.50	
Express PVC-2	--	59.40	
385 - 512 Kbps CIR	--	\$60.00	
Express PVC-1	--	75.00	
Express PVC-2	--	66.00	

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F FRAME RELAY SERVICE (Cont'd)

a. Rates and Charges (Cont'd)

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	<u>Nonrecurring Charges</u>	<u>Monthly Rate</u>	<u>IOSC</u>
<b>7) <u>Frame Relay Permanent Virtual Circuit CIR Capacity, Each Based on CIR Requested</u></b>			
1 - 32 Kbps CIR	--	\$ 8.00	54200
Express PVC-1	--	10.00	54221
Express PVC-2	--	8.80	54242
33 - 64 Kbps CIR	--	\$15.00	54201
Express PVC-1	--	18.75	54222
Express PVC-2	--	16.50	54243
65 - 96 Kbps CIR	--	\$22.00	54202
Express PVC-1	--	27.50	54223
Express PVC-2	--	24.20	54244
97 - 128 Kbps CIR	--	\$27.00	54203
Express PVC-1	--	33.75	54224
Express PVC-2	--	29.70	54245
129 - 192 Kbps CIR	--	\$36.00	54204
Express PVC-1	--	45.00	54225
Express PVC-2	--	39.60	54246
193 - 256 Kbps CIR	--	\$42.00	54205
Express PVC-1	--	52.50	54226
Express PVC-2	--	46.20	54247
257 - 320 Kbps CIR	--	\$48.00	54206
Express PVC-1	--	60.00	54227
Express PVC-2	--	52.80	54248
321 - 384 Kbps CIR	--	\$54.00	54207
Express PVC-1	--	67.50	54228
Express PVC-2	--	59.40	54249
385 - 512 Kbps CIR	--	\$60.00	54208
Express PVC-1	--	75.00	54229
Express PVC-2	--	66.00	54250

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F FRAME RELAY SERVICE (Cont'd)

7. Rates and Charges (Cont'd)

a. Rates (Cont'd)

(C)  
(C)

Nonrecurring                      Monthly  
Charges                              Rate

(T)

7) Frame Relay Permanent Virtual Circuit CIR Capacity, Each  
Based on CIR Requested (Cont'd)

513 - 768 Kbps CIR	--	\$ 70.00	(T)
Express PVC-1	--	87.50	
Express PVC-2	--	77.00	
769 - 1152 Kbps CIR	--	\$ 80.00	
Express PVC-1	--	100.00	
Express PVC-2	--	88.00	
1153 - 1536 Kbps CIR	--	\$ 90.00	
Express PVC-1	--	112.50	
Express PVC-2	--	99.00	
1537 - 4000 Kbps CIR	--	\$120.00	
Express PVC-1	--	150.00	
Express PVC-2	--	132.00	
4001 - 10000 Kbps CIR	--	\$250.00	
Express PVC-1	--	312.50	
Express PVC-2	--	275.00	
10001 - 15000 Kbps CIR	--	\$330.00	
Express PVC-1	--	412.50	
Express PVC-2	--	363.00	
15001 - 20000 Kbps CIR	--	\$410.00	
Express PVC-1	--	512.50	
Express PVC-2	--	451.00	
20001 - 25000 Kbps CIR	--	\$490.00	
Express PVC-1	--	612.50	
Express PVC-2	--	539.00	(T)

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F FRAME RELAY SERVICE (Cont'd)

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a. Rates and Charges (Cont'd)

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7) Frame Relay Permanent Virtual Circuit CIR Capacity, Each  
Based on CIR Requested (Cont'd)

	<u>Nonrecurring</u> <u>Charges</u>	<u>Rate</u>	<u>IOSC</u>
513 - 768 Kbps CIR	--	\$ 70.00	54220
Express PVC-1	--	87.50	54230
Express PVC-2	--	77.00	54251
769 - 1152 Kbps CIR	--	\$ 80.00	54209
Express PVC-1	--	100.00	54231
Express PVC-2	--	88.00	54252
1153 - 1536 Kbps CIR	--	\$ 90.00	54210
Express PVC-1	--	112.50	54232
Express PVC-2	--	99.00	54253
1537 - 4000 Kbps CIR	--	\$120.00	54211
Express PVC-1	--	150.00	54233
Express PVC-2	--	132.00	54254
4001 - 10000 Kbps CIR	--	\$250.00	54212
Express PVC-1	--	312.50	54234
Express PVC-2	--	275.00	54255
10001 - 15000 Kbps CIR	--	\$330.00	54213
Express PVC-1	--	412.50	54235
Express PVC-2	--	363.00	54256
15001 - 20000 Kbps CIR	--	\$410.00	54214
Express PVC-1	--	512.50	54236
Express PVC-2	--	451.00	54257
20001 - 25000 Kbps CIR	--	\$490.00	54215
Express PVC-1	--	612.50	54237
Express PVC-2	--	539.00	54258

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F. FRAME RELAY SERVICE (Cont'd)

7. Rates and Charges (Cont'd)

(C)

a. Rates (Cont'd)

(C)

Nonrecurring  
Charges

Monthly  
Rate

(T)

7) Frame Relay Permanent Virtual Circuit CIR Capacity, Each  
Based on CIR Requested (Cont'd)

25001 - 30000 Kbps CIR	--	\$570.00	(T)
Express PVC-1	--	712.50	
Express PVC-2	--	627.00	
3001 - 35000 Kbps CIR	--	\$650.00	
Express PVC-1	--	812.00	
Express PVC-2	--	715.00	
35001 - 4000 Kbps CIR	--	\$730.00	
Express PVC-1	--	912.50	
Express PVC-2	--	803.00	
40001 - 45000 Kbps CIR	--	\$800.00	
Express PVC-1	--	1000.00	
Express PVC-2	--	880.00	(T)

8) Public NNI, Based on CIR

1 - 32 Kbps	\$20.00	\$ 20.00	(T)
33 - 64 Kbps	20.00	25.00	
65 - 96 Kbps	20.00	30.00	
97 - 128 Kbps	20.00	35.00	
129 - 192 Kbps	20.00	40.00	
193 - 256 Kbps	20.00	50.00	
257 - 320 Kbps	20.00	55.00	
321 - 384 Kbps	20.00	60.00	
385 - 512 Kbps	20.00	70.00	
513 - 768 Kbps	20.00	80.00	
769 - 1,152 Kbps	20.00	90.00	(T)

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F. FRAME RELAY SERVICE (Cont'd)

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a. Rates and Charges (Cont'd)

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	<u>Nonrecurring</u> <u>Charges</u>	<u>Monthly</u> <u>Rate</u>	<u>IOSC</u>
7) <u>Frame Relay Permanent Virtual Circuit CIR Capacity, Each</u> <u>Based on CIR Requested</u> (Cont'd)			
25001 - 30000 Kbps CIR	--	\$570.00	54216
Express PVC-1	--	712.50	54238
Express PVC-2	--	627.00	54259
3001 - 35000 Kbps CIR	--	\$650.00	54217
Express PVC-1	--	812.00	54239
Express PVC-2	--	715.00	54260
35001 - 4000 Kbps CIR	--	\$730.00	54218
Express PVC-1	--	912.50	54240
Express PVC-2	--	803.00	54261
40001 - 45000 Kbps CIR	--	\$800.00	54219
Express PVC-1	--	1000.00	54241
Express PVC-2	--	880.00	54262

8) Public NNI, Based on CIR

			54263 (NRC)
1 -	32 Kbps	\$20.00	\$ 20.00 54264
33 -	64 Kbps	20.00	25.00 54265
65 -	96 Kbps	20.00	30.00 54266
97 -	128 Kbps	20.00	35.00 54267
129 -	192 Kbps	20.00	40.00 54268
193 -	256 Kbps	20.00	50.00 54269
257 -	320 Kbps	20.00	55.00 54270
321 -	384 Kbps	20.00	60.00 54271
385 -	512 Kbps	20.00	70.00 54272
513 -	768 Kbps	20.00	80.00 54273
769 -	1,152 Kbps	20.00	90.00 54274

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F. FRAME RELAY SERVICE (Cont'd)

7. Rates and Charges (Cont'd)

(C)

a. Rates (Cont'd)

(C)

Nonrecurring  
Charges

Monthly  
Rate

(T)

8) Public NNI, Based ON CIR (Cont'd)

1,153 - 1,536 Kbps	\$20.00	\$105.00
1,537 - 4,000 Kbps	20.00	135.00
4,001 - 10,000 Kbps	20.00	290.00
10,001 - 15,000 Kbps	20.00	410.00
15,001 - 20,000 Kbps	20.00	510.00
20,001 - 25,000 Kbps	20.00	610.00
25,001 - 30,000 Kbps	20.00	700.00
30,001 - 35,000 Kbps	20.00	775.00
35,001 - 40,000 Kbps	20.00	875.00
40,001 - 45,000 Kbps	20.00	975.00

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F. FRAME RELAY SERVICE (Cont'd)

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a. Rates and Charges (Cont'd)

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Nonrecurring  
Charges

Monthly  
Rate

8) Public NNI, Based ON CIR (Cont'd)

1,153 - 1,536 Kbps	20.00	\$105.00	54275
1,537 - 4,000 Kbps	20.00	135.00	54276
4,001 - 10,000 Kbps	20.00	290.00	54277
10,001 - 15,000 Kbps	20.00	410.00	54278
15,001 - 20,000 Kbps	20.00	510.00	54279
20,001 - 25,000 Kbps	20.00	610.00	54280
25,001 - 30,000 Kbps	20.00	700.00	54281
30,001 - 35,000 Kbps	20.00	775.00	54282
35,001 - 40,000 Kbps	20.00	875.00	54283
40,001 - 45,000 Kbps	20.00	975.00	54284

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**DIGITAL DATA TRANSMISSION SERVICE**

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F. FRAME RELAY SERVICE (Cont'd)

7. Rates and Charges (Cont'd)

a. Rates (Cont'd)

9) Interzone CIR and Priority PVCs (Cont'd)  
Based on CIR Requested\*

	<u>Monthly Rate</u>
0 - 32 Kbps CIR	\$25.00
Priority 1	31.25
Priority 2	27.50
33 - 64 Kbps CIR	45.00
Priority 1	56.25
Priority 2	49.50
65 - 96 Kbps CIR	60.00
Priority 1	75.00
Priority 2	66.00
97 - 128 Kbps CIR	70.00
Priority 1	87.50
Priority 2	77.00
129 - 192 Kbps CIR	95.00
Priority 1	118.75
Priority 2	104.50
193 - 256 Kbps CIR	115.00
Priority 1	143.75
Priority 2	126.50

\* PVCs which are deemed to be interstate in nature will fall under federal jurisdiction and the resulting CIR will be billed at rates specified in NECA Tariff FCC No. 5. (C)

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- F. FRAME RELAY SERVICE (Cont'd)
- 7. Rates and Charges (Cont'd)
- a. Rates (Cont'd)

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- 9). Interzone CIR and Priority PVCs (Cont'd) (N)
- Based on CIR Requested\*

	<u>Monthly Rate</u>
0 - 32 Kbps CIR	\$25.00
Priority 1	31.25
Priority 2	27.50
33 - 64 Kbps CIR	45.00
Priority 1	56.25
Priority 2	49.50
65 - 96 Kbps CIR	60.00
Priority 1	75.00
Priority 2	66.00
97 - 128 Kbps CIR	70.00
Priority 1	87.50
Priority 2	77.00
129 - 192 Kbps CIR	95.00
Priority 1	118.75
Priority 2	104.50
193 - 256 Kbps CIR	115.00
Priority 1	143.75
Priority 2	126.50

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 By *LSAS 92.4*  
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\* PVCs which are deemed to be interstate in nature will fall under federal jurisdiction and the resulting CIR will be billed at rates specified in Company's FCC Tariff No. 4.

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F. FRAME RELAY SERVICE (Cont'd)

7. Rates and Charges (Cont'd)

a. Rates (Cont'd)

9) Interzone CIR and Priority PVCs (Cont'd)  
Based on CIR Requested\*

	<u>Monthly Rate</u>
257 - 320 Kbps CIR	\$130.00
Priority 1	162.50
Priority 2	143.00
321 - 384 Kbps CIR	145.00
Priority 1	181.25
Priority 2	159.50
385 - 512 Kbps CIR	170.00
Priority 1	212.50
Priority 2	187.00
513 - 768 Kbps CIR	195.00
Priority 1	243.75
Priority 2	214.50
769 - 1152 Kbps CIR	225.00
Priority 1	281.25
Priority 2	247.50
1153 - 1536 Kbps CIR	250.00
Priority 1	312.50
Priority 2	275.00

\* PVCs which are deemed to be interstate in nature will fall under federal jurisdiction and the resulting CIR will be billed at rates specified in NECA Tariff FCC No. 5. (C)

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- F. FRAME RELAY SERVICE (Cont'd)  
7. Rates and Charges (Cont'd)  
a. Rates (Cont'd)

- 9). Interzone CIR and Priority PVCs (Cont'd) (N)  
Based on CIR Requested\*

	<u>Monthly Rate</u>
257 - 320 Kbps CIR	\$130.00
Priority 1	162.50
Priority 2	143.00
321 - 384 Kbps CIR	145.00
Priority 1	181.25
Priority 2	159.50
385 - 512 Kbps CIR	170.00
Priority 1	212.50
Priority 2	187.00
513 - 768 Kbps CIR	195.00
Priority 1	243.75
Priority 2	214.50
769 - 1152 Kbps CIR	225.00
Priority 1	281.25
Priority 2	247.50
1153 - 1536 Kbps CIR	250.00
Priority 1	312.50
Priority 2	275.00

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F. FRAME RELAY SERVICE (Cont'd)

7. Rates and Charges (Cont'd)

a. Rates (Cont'd)

9) Interzone CIR and Priority PVCs (Cont'd)  
Based on CIR Requested\*

	<u>Monthly Rate</u>
1537 - 4000 Kbps CIR	\$325.00
Priority 1	406.25
Priority 2	357.50
4001 - 10000 Kbps CIR	710.00
Priority 1	887.50
Priority 2	781.00
10001 - 15000 Kbps CIR	1,000.00
Priority 1	1,250.00
Priority 2	1,100.00
15001 - 20000 Kbps CIR	1,250.00
Priority 1	1,562.50
Priority 2	1,375.00
20001 - 25000 Kbps CIR	1,475.00
Priority 1	1,843.75
Priority 2	1,622.50
25001 - 30000 Kbps CIR	1,675.00
Priority 1	2,093.75
Priority 2	1,842.50

\* PVCs which are deemed to be interstate in nature will fall under federal jurisdiction and the resulting CIR will be billed at rates specified in NECA Tariff FCC No. 5. (C)

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- F. FRAME RELAY SERVICE (Cont'd)
- 7. Rates and Charges (Cont'd)
- a. Rates (Cont'd)

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- 9). Interzone CIR and Priority PVCs (Cont'd) (N)
- Based on CIR Requested\*

	<u>Monthly Rate</u>
1537 - 4000 Kbps CIR	\$325.00
Priority 1	406.25
Priority 2	357.50
4001 - 10000 Kbps CIR	710.00
Priority 1	887.50
Priority 2	781.00
10001 - 15000 Kbps CIR	1,000.00
Priority 1	1,250.00
Priority 2	1,100.00
15001 - 20000 Kbps CIR	1,250.00
Priority 1	1,562.50
Priority 2	1,375.00
20001 - 25000 Kbps CIR	1,475.00
Priority 1	1,843.75
Priority 2	1,622.50
25001 - 30000 Kbps CIR	1,675.00
Priority 1	2,093.75
Priority 2	1,842.50

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\* PVCs which are deemed to be interstate in nature will fall under federal jurisdiction and the resulting CIR will be billed at rates specified in Company's FCC Tariff No. 4.

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F. FRAME RELAY SERVICE (Cont'd)

7. Rates and Charges (Cont'd)

a. Rates (Cont'd)

9) Interzone CIR and Priority PVCs (Cont'd)  
Based on CIR Requested\*

	<u>Monthly Rate</u>
30001 - 35000 Kbps CIR	\$1,900.00
Priority 1	2,375.00
Priority 2	2,090.00
35001 - 40000 Kbps CIR	2,150.00
Priority 1	2,687.50
Priority 2	2,365.00
40001 - 45000 Kbps CIR	2,375.00
Priority 1	2,968.75
Priority 2	2,612.50

\* PVCs which are deemed to be interstate in nature will fall under federal jurisdiction and the resulting CIR will be billed at rates specified in NECA Tariff FCC No. 5. (C)

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- F. FRAME RELAY SERVICE (Cont'd)  
7. Rates and Charges (Cont'd)  
a. Rates (Cont'd)

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9). Interzone CIR and Priority PVCs (Cont'd) (N)  
Based on CIR Requested\*

	<u>Monthly Rate</u>
30001 - 35000 Kbps CIR	\$1,900.00
Priority 1	2,375.00
Priority 2	2,090.00
35001 - 40000 Kbps CIR	2,150.00
Priority 1	2,687.50
Priority 2	2,365.00
40001 - 45000 Kbps CIR	2,375.00
Priority 1	2,968.75
Priority 2	2,612.50

(N)

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- \* PVCs which are deemed to be interstate in nature will fall under federal jurisdiction and the resulting CIR will be billed at rates specified in Company's FCC Tariff No. 4.

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G. SPECTRALAN SERVICE

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1. Application

This section contains definitions, regulations and charges applicable to the provision of SPECTRALAN Service furnished by the Company within the State of Missouri where conditions and facilities permit.

2. Definitions

Customer Designated Location (CDL) - A location specified by the customer for the purpose of terminating network or switched access services.

DS-1 - A channel service expressed in terms of its digitally encoded bit rate in accordance with the North American hierarchy of digital signal levels. It has a 1.544 Mbps transmission bit rate and provides for the two-way simultaneous transmission of isochronous timed, Bipolar Return-to-Zero (BPRZ) bit stream format. Unframed signal formats are not permitted or compatible with Telephone Company equipment. The required format and interface specifications are stated in Section 7000 of the GTE Technical Interface Reference Manual.

DS-3 - A channel service expressed in terms of its digitally encoded bit rate in accordance with the North American hierarchy of digital signal levels. It has a 44.736 Mbps transmission bit rate and provides for the two-way simultaneous transmission of isochronous timed, Bipolar Return-to-Zero (BPRZ) bit stream format. The required format and interface specification are stated in Section 7000 of the GTE Technical Interface Reference Manual. DS-3 facilities are provided on fiber optic transmission medium.

SPECTRALAN - A group of Company central offices connected by fiber optic facilities.

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G. SPECTRALAN SERVICE (Cont'd)

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2. Definitions (Cont'd)

SPECTRALAN DS-1 Service - The termination and transport of a DS-1 at and between two or more CDLs, where the serving wire centers (SWCs) of the respective CDLs to be interconnected are located on and interconnected by one or more SPECTRALANs.

SPECTRALAN DS-1 Service is only provided with DS-1 channel facilities derived from a DS-3 channel provided over fiber optic facilities and with fiber multiplexing equipment. SPECTRALAN DS-1 Service may only terminate at those locations where the DS-3 from which it is derived terminates.

SPECTRALAN DS-3 Service - The termination and transport of a DS-3 at and between two or more CDLs, where the SWC(s) of the respective CDLs to be interconnected are located on and interconnected by one or more SPECTRALANs. The link between the CDL and the SWC of the CDL may only consist of fiber optic facilities.

SPECTRALAN Ethernet Service - A LAN to LAN transport service for interconnecting IEEE 802.3 LANs with data rates up to 10 Mbps and data transmission at native speed and native protocol. This service is distance limited to a -31 db system loss. SPECTRALAN Ethernet Service can be a point-to-point or a multipoint service with up to eight nodes. The SWCs of the LANs to be interconnected must be located on and interconnected by one or more SPECTRALANs. The interoffice transport on the fiber optic system is flat rated, non-distance sensitive, and is provided at a 10 Mbps level. The link between the CDL and the SWC of the CDL may only consist of fiber optic facilities.

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## G. SPECTRALAN SERVICE (Cont'd)

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## 2. Definitions (Cont'd)

SPECTRALAN Token Ring Service - A LAN to LAN transport service for interconnecting IEEE 802.5 LANs with data rates of 4 Mbps or 16 Mbps and data transmission at native speeds and native protocol. This service is distance limited to a -31 db system loss. SPECTRALAN Token Ring Service can be a point-to-point or a multi-point service with up to eight nodes. The SWCs of the LANs to be interconnected must be located on and interconnected by one or more SPECTRALANS. The interoffice transport on the fiber optic system is flat rated, non-distance sensitive, and is provided at a 16 Mbps level. The link between the CDL and the SWC of the CDL may only consist of fiber optic facilities.

Network Interface - The point of electrical interconnection at the CDL between the Company's network communications facilities and the customer's terminal equipment.

Network Node - The Company provided electronic equipment that converts the electrical signal delivered at the Network Interface to an optical signal.

OC-3 - A SONET optical carrier channel facility. OC-3 channels provide high speed synchronous optical fiber based full duplex data transmission capabilities operating at a terminating bit rate of 155 Mbps. An OC-3 channel has a capability of 84 DS-1s or three DS-3s.

SONET (Synchronous Optical Network) - A family of fiber optic transmission bit rates starting at 51.84 Mbps designed to provide the flexibility needed to transport many digital signals with different capacities. SONET defines an optical interface standard with optical line bit rates known as Optical Carrier (OC) signals. The OC signals are electrically defined synchronous transport signals. The base synchronous transport signal rate is 51.84 Mbps (OC1) and higher rate groupings are multiples of the OC1 base rate. SONET transmission equipment allows easy access to low speed signals such as DS-0, DS-1, and DS-3 without multi-stage multiplexing and demultiplexing.

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G. SPECTRALAN SERVICE (Cont'd)

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3. Regulations

a. Description of Service

- 1) SPECTRALAN Service is a group of high speed, fiber optic based services that provide connectivity at, and transport between, two or more customer designated locations (CDLs) served by one or more serving wire centers (SWCs) connected to one or more SPECTRALANs.
- 2) The SPECTRALAN Service features shown herein may be used to provide the digital channel facility for Digital Channel Service, as set forth in Section 7 of PSC MO. NO. 1.
- 3) SPECTRALAN Service transport is non-distance sensitive and is provided for a monthly flat rated recurring charge per transport facility.
- 4) SPECTRALAN Service is available in the Company's serving areas in which SPECTRALANs are defined. A list of the SPECTRALANs, including a list of the SWCs interconnected to each SPECTRALAN and where SPECTRALAN Service is available, will be provided upon request.
- 5) SPECTRALAN Service consists of the following services:
  - SPECTRALAN DS-1 Service
  - SPECTRALAN Digital Channel Service (DCS)
  - SPECTRALAN DS-3 Service
  - SPECTRALAN Ethernet (IEEE 802.3) Service
  - SPECTRALAN Token Ring (IEEE 802.5) Service

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G. SPECTRALAN SERVICE (Cont'd)

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3. Regulations (Cont'd)

b. General

- 1) SPECTRALAN Service is available only where technical capabilities permit.
- 2) SPECTRALAN Service will only be used to interconnect customer locations within the LATA.
- 3) The network point of demarcation for SPECTRALAN Service is on the electrical side of the Company provided Network Interface at the customer's premises. The customer is responsible for providing all facilities and cabling necessary to connect customer equipment to the network interface.
- 4) It is the customer's responsibility to ensure that the customer's equipment provides industry standard electrical signals compatible with SPECTRALAN Service transport transmission.
- 5) The Company will work cooperatively with the customer to insure that the customer orders SPECTRALAN Transport bandwidth capacity sufficient only to satisfy the customer's requirements.
- 6) The bandwidth required for any given SPECTRALAN Service Activation(s) for the associated SPECTRALAN Services terminated on CDLs on a specific SPECTRALAN may not exceed the total SPECTRALAN Transport bandwidth ordered for those SPECTRALAN Services.
- 7) When SPECTRALAN Service is extended from currently existing fiber optic facilities, special construction charges may apply. These extensions may only utilize fiber optic facilities.

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G. SPECTRALAN SERVICE (Cont'd)

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3. Regulations (Cont'd)

c. Application of Rates and Charges

1) There are four SPECTRALAN Service rate element categories:

- SPECTRALAN CDL Connect
- SPECTRALAN CO Connect
- SPECTRALAN Transport
- SPECTRALAN Service Activation

2) SPECTRALAN CDL Connect

- a) The SPECTRALAN CDL Connect element is a flat-rated monthly recurring charge (MRC) that provides the basic platform for customer access to the Company's SPECTRALAN. The SPECTRALAN CDL Connect element provides the Network Node at the point of demarcation at the CDL and provides the fiber optic link between the CDL and the SWC of the CDL.
- b) The SPECTRALAN CDL Connect elements are provided for use with the SPECTRALAN Service tariff. The SPECTRALAN Connect elements may also be provided for use with Digital Channel Service, as set forth in Section 7 of PSC MO. NO. 1.
- c) There are two SPECTRALAN CDL Connect rate elements:
  - SPECTRALAN DS-3 CDL Connect
  - SPECTRALAN OC-3 CDL Connect
- d) A nonrecurring charge (NRC) and a monthly recurring charge (MRC) for each selected SPECTRALAN CDL Connect element will apply for each CDL at which an individual SPECTRALAN Service terminates.
- e) The SPECTRALAN CDL Connect elements are offered as an Optional Payment Plan (OPP) of a 3-year, 5-year or 7-year plan. A nonrecurring charge does not apply when the customer subscribes to a 7-year OPP.

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G. SPECTRALAN SERVICE (Cont'd)

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3. Regulations (Cont'd)

c. Application of Rates and Charges (Cont'd)

2) SPECTRALAN CDL Connect (Cont'd)

f) The SPECTRALAN DS-3 and OC-3 CDL Connect elements may be used to provide DS-1 digital facilities to connect the customer's premises and its local serving wire center. (See Digital Channel Service in Section 7 of PSC MO. NO. 1.) One MRC, for either the SPECTRALAN DS-3 CDL Connect element or the SPECTRALAN OC-3 CDL Connect element, will apply each time either element is used to link the customer's premises or CDL with the SWC.

3) SPECTRALAN CO Connect

a) The SPECTRALAN CO Connect element is a flat-rated monthly recurring charge (MRC) that provides the capability to connect Wideband Digital Local Distribution Channels (DS-1 SALS) from Section D of this tariff to SPECTRALAN Transport.

b) The SPECTRALAN DS-1 CO Connect rate element applies in lieu of the Wideband Digital (DS-1) Interexchange Channel Terminal rate element as specified in Section D. of this tariff.

c) The SPECTRALAN DS-1 CO Connect rate element is offered on a month-to-month basis.

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G. b SERVICE (Cont'd)

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3. Regulations (Cont'd)

c. Application of Rates and Charges (Cont'd)

4) SPECTRALAN Transport

- a) The SPECTRALAN Transport element is a flat-rated monthly recurring charge (MRC) that provides for the interoffice transport between SWCs on Company defined SPECTRALANs. SPECTRALAN Transport varies by bandwidth and SPECTRALAN Transport MRCs are rated by bandwidth capacity.
- b) SPECTRALAN Transport is provided in and rated for the following bandwidths:
  - 1.544 Mbps
  - 10 Mbps
  - 16 Mbps
  - 45 Mbps
  - 155 Mbps
- c) One SPECTRALAN Transport MRC applies for each specific amount of bandwidth provided on each SPECTRALAN.
- d) Transport is offered as an Optional Payment Plan (OPP) of a 3-year, 5-year or 7-year plan.
- e) When an individual SPECTRALAN Service terminates at CDLs that have the same SWC, SPECTRALAN Transport charges will not apply.
- f) When a SPECTRALAN Service terminates on two or more SPECTRALANs, one SPECTRALAN Transport MRC applies for each specific amount of bandwidth for each SPECTRALAN traversed.
- g) SPECTRALAN Transport is available only to customers subscribing to SPECTRALAN CDL Connect and/or SPECTRALAN CO Connect.

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## G. SPECTRALAN SERVICE (Cont'd)

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## 3. Regulations (Cont'd)

## c. Application of Rates and Charges (Cont'd)

## 5) SPECTRALAN Service Activation

- a) The SPECTRALAN Service Activation element is a flat-rated monthly recurring charge (MRC) that provides the ability to terminate the network signal at the Network Node at the CDL and to convert that signal for the customer's use. There are four SPECTRALAN Service Activations, one for each SPECTRALAN Service. They are:
- SPECTRALAN DS-1 Service Activation
  - SPECTRALAN DS-3 Service Activation
  - SPECTRALAN Ethernet Service Activation
  - SPECTRALAN Token Ring Service Activation
- b) All the SPECTRALAN Service Activation elements are provided for use with the SPECTRALAN Service tariff. The SPECTRALAN DS-1 Service Activation element and the SPECTRALAN DS-3 Service Activation element may also be provided for use with Digital Channel Service, as set forth in Section 7 of PSC MO. NO. 1, General and Local Exchange Tariff.
- c) SPECTRALAN Service Activation is offered as an Optional Payment Plan (OPP) of a 3-year, 5-year or 7-year plan.
- d) Customers may order varying combinations of SPECTRALAN Service Activations in conjunction with either the SPECTRALAN DS-3 CDL Connect element or the SPECTRALAN OC-3 CDL Connect element.
- e) One SPECTRALAN Service Activation MRC will apply for each CDL at which an associated SPECTRALAN Service terminates. When additional SPECTRALAN Service Activations are added without the requirement for additional SPECTRALAN Connect (CDL or CO) or additional SPECTRALAN Transport, the SPECTRALAN Service Activation nonrecurring charge will apply in addition to the SPECTRALAN Service Activation MRCs for the additional SPECTRALAN Services added.

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G. SPECTRALAN SERVICE (Cont'd)

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3. Regulations (Cont'd)

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c. Application of Rates and Charges (Cont'd)

5) SPECTRALAN Service Activation (Cont'd)

- f) When SPECTRALAN DS-3 or OC-3 CDL Connect elements are used to provide DS-1 digital facilities connecting the customer's premises (or CDL) to the SWC via Digital Channel Service, a SPECTRALAN DS-1 Service Activation applies for each DS-1 activated.
- g) SPECTRALAN Service Activations are not required when customers order SPECTRALAN DS-1 CO Connect and SPECTRALAN Transport to connect DS-1 SALs to SPECTRALAN Transport.
- h) The SPECTRALAN Service Activation-Additional nonrecurring charge (NRC) applies for service activations that are ordered subsequent to the initial installation of SPECTRALAN Service.

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## G. SPECTRALAN SERVICE (Cont'd)

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## 3. Regulations (Cont'd)

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## c. Application of Rates and Charges (Cont'd)

## 6) Optional Payment Plans (OPP)

- a) All SPECTRALAN Service elements may be ordered under a three (3), five (5), or seven (7) year Optional Payment Plan (OPP). Only the SPECTRALAN CDL rate element is subject to an OPP Termination Liability Charge as specified in 3.c.6)e) following.

At any point during the time period for the selected OPP, the customer may convert the existing OPP to a different OPP with an available time period greater than the time period of the existing OPP, without penalty.

At the end of the time period for the selected OPP, the customer may:

- Convert to a new three-, five- or seven-year OPP without an NRC, or
  - Discontinue service.
- b) If, at the end of an OPP, the customer does not notify the Company of acceptance of one of the above options, the Company will renew the service at the same OPP subject to the same OPP terms and conditions. The Termination Liability Charge will not apply to customers that have completed the initial OPP time period.

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G. SPECTRALAN SERVICE (Cont'd)

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3. Regulations (Cont'd)

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c. Application of Rates and Charges (Cont'd)

6) Optional Payment Plans (OPP) (Cont'd)

c) When a customer orders additional SPECTRALAN Services whose functioning depends on other SPECTRALAN Services installed on an earlier order, the following applies:

(1) The OPP time period for the additional services must be equal to or shorter than the remaining OPP time period for the SPECTRALAN Services installed earlier, or

(2) The OPP time period for the SPECTRALAN Services installed on an earlier order may be extended to be equal in length with the OPP time period for the additional services.

d) Where technical capabilities and facilities exist, customers may convert existing Wideband Digital Service (DS-1s), as provided for in Section D. of this tariff, to SPECTRALAN Service without conversion charges (Termination Liability and Installation charges) as long as the total capacity of DS-1s purchased by the customer does not decrease.

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## G. SPECTRALAN SERVICE (Cont'd)

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## 3. Regulations (Cont'd)

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## c. Application of Rates and Charges (Cont'd)

## 6) Optional Payment Plan (OPP) (Cont'd)

- e) A Termination Liability Charge will apply when the SPECTRALAN Connect rate element is terminated prior to the completion of the selected OPP for the portion terminated, unless that portion terminated is replaced with a service whose MRC is equal to or greater than that of the service terminated. The Termination Liability Charge will be calculated as follows:

Three Year OPP - 100% of any remaining portion of the three year's recurring charges.

Five Year OPP - 100% of any remaining portion of the first three year's recurring charges. In addition, for any remaining portion of the fourth and fifth years, the customer will be liable for 10% of the total monthly recurring charges in that time period.

Seven Year OPP - 100% of any remaining portion of the first five year's recurring charges. In addition, for any remaining portion of the sixth and seventh years, the customer will be liable for 20% of the total monthly recurring charges in that time period.

- f) Under the three (3), and five (5) year OPP, a Nonrecurring Charge (NRC) applies to the first and each additional SPECTRALAN Connect established. Nonrecurring charges may be paid in three equal monthly installments.
- g) Monthly Recurring Charges (MRCs) apply to each SPECTRALAN CDL and CO Connect, SPECTRALAN Transport and SPECTRALAN Service Activation rate elements.

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## G. SPECTRALAN SERVICE (Cont'd)

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## 4. Rates

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	<u>Nonrecurring Charge</u>	<u>GSEC</u>	<u>Monthly Rate</u>	<u>GSEC</u>
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a) SPECTRALAN CDL  
Connect

## 1) DS-3 CDL

a) 3 Year OPP	\$3,000.00	MLNCNNRC-3	\$1,350.00	MLNCND3-3
b) 5 Year OPP	1,500.00	MLNCNNRC-5	1,250.00	MLNCND3-5
c) 7 Year OPP	None		1,150.00	MLNCND3-7

## 2) OC-3

a) 3 Year OPP	\$3,000.00	MLNCNNRC-3	1,750.00	MLNCNO3-3
b) 5 Year OPP	1,500.00	MLNCNNRC-5	1,600.00	MLNCNO3-5
c) 7 Year OPP	None		1,500.00	MLNCNO3-7

b. SPECTRALAN CO  
Connect

## 1) DS-1 CO

	None		60.00	MLNCOC1
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4. Rates (Cont'd)

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c. SPECTRALAN Transport

	<u>Monthly Rate</u>	<u>GSEC</u>
1) 1.544 Mbps		
a) 3 Year OPP	\$ 90.00	MLNTRD1-3
b) 5 Year OPP	75.00	MLNTRD1-5
c) 7 Year OPP	60.00	MLNTRD1-7
2) 10 Mbps		
a) 3 Year OPP	300.00	MLNTR10-3
b) 5 Year OPP	250.00	MLNTR10-5
c) 7 Year OPP	200.00	MLNTR10-7
3) 16 Mbps		
a) 3 Year OPP	450.00	MLNTR16-3
b) 5 Year OPP	400.00	MLNTR16-5
c) 7 Year OPP	300.00	MLNTR16-7
4) 44.736 Mbps		
a) 3 Year OPP	900.00	MLNTRD3-3
b) 5 Year OPP	850.00	MLNTRD3-5
c) 7 Year OPP	800.00	MLNTRD3-7
5) 155 Mbps		
a) 3 Year OPP	2,150.00	MLNTRO3-3
b) 5 Year OPP	1,950.00	MLNTRO3-5
c) 7 Year OPP	1,750.00	MLNTRO3-7

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## G. SPECTRALAN SERVICE (Cont'd)

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## 4. Rates (Cont'd)

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<u>GSEC</u>	<u>Nonrecurring Charge</u>	<u>GSEC</u>	<u>Monthly Rate</u>	
d. SPECTRALAN Service Activation, each				
1) DS-1				
a) 3 Year OPP	None	--	\$ 50.00	MLNSAD1-3 MLNSADCS24-3
b) 5 Year OPP	None	--	45.00	MLNSAD1-5 MLNSADCS24-5
c) 7 Year OPP	None	--	40.00	MLNSAD1-7 MLNSADCS24-7
2) DS-3				
a) 3 Year OPP	None	--	170.00	MLNSAD3-3 MLNSADCS672-3
b) 5 Year OPP	None	--	150.00	MLNSAD3-5 MLNSADCS672-5
c) 7 Year OPP	None	--	130.00	MLNSAD3-7 MLNSADCS672-7
3) Ethernet				
a) 3 Year OPP	None	--	500.00	MLNSA10-3
b) 5 Year OPP	None	--	450.00	MLNSA10-5
c) 7 Year OPP	None	--	400.00	MLNSA10-7
4) Token Ring				
a) 3 Year OPP	None	--	500.00	MLNSA16-3
b) 5 Year OPP	None	--	450.00	MLNSA16-5
c) 7 Year OPP	None	--	400.00	MLNSA16-7
e. SPECTRALAN Service Activations - Additional*, each	\$130.00	MLNADDLNR		

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\* The nonrecurring charge applies in addition to the monthly rates shown above for each SPECTRALAN Service Activation.

Issued: May 10, 2000

Effective: August 1, 2000

CANCELLED  
October 1, 2014  
Missouri Public  
Service Commission  
JI-2015-0079Kenneth Matzdorff  
Chief Operating Officer  
Kansas City, Missouri

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MAY 10 2000

H. TECHNICAL TRIALS

MISSOURI  
Public Service Commission

1. Telemedicine

a. Description of Trial

The Company is conducting a three (3) year technical trial of Telemedicine services which began in 1995. This trial will provide video and data connections for remote diagnosis and consultation as well as continuing medical education. All network services required for this trial will be billed at tariffed rates. The Company is making a contribution to defray the tariffed services costs of the trial.

The Company shall be indemnified and saved harmless by users of services under this tariff against claims for medical malpractice or any other type of personal injury arising from the delivery of services under this tariff.

The Company makes no warranties, expressed or implied, as to the equipment and services that it furnishes during the trial.

The Company will not be liable for any incidental, consequential, special or indirect damage attributable to its performance during the trial.

The Company has no further obligation to provide said services and equipment after termination of the trial.

2. (Reserved for Future Use)

FILED

AUG 01 2000

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MISSOURI  
Public Service Commission

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Service Commission  
JI-2015-0079

Kenneth Matzdorff  
Chief Operating Officer  
Kansas City, Missouri

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I. COMPETITIVE EXCHANGES

1. BUSINESS EXCHANGES

The following exchanges are classified as competitive for business services:

EWING  
LABELLE  
LEWISTOWN  
MACON

2. RESIDENTIAL EXCHANGES

The following exchanges are classified as competitive for residential services:

EVERTON (N)  
EWING  
LABELLE  
LEWISTOWN  
MACON  
MT. VERNON (N)  
SAVANNAH

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Issued: February 1, 2006

Effective: March 3, 2006

Chantel Mosby  
Manager, Tariffs and Compliance  
Monroe, LA

CANCELLED  
October 1, 2014  
Missouri Public  
Service Commission  
JI-2015-0079

**FILED**  
**MO PSC**  
IO-2006-0317

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I. COMPETITIVE EXCHANGES (N)

1. BUSINESS EXCHANGES

The following exchanges are classified as competitive for business services:

EWING  
LABELLE  
LEWISTOWN  
MACON

2. RESIDENTIAL EXCHANGES

The following exchanges are classified as competitive for residential services:

EWING  
LABELLE  
LEWISTOWN  
MACON  
SAVANNAH

(N)