

DIGITAL DATA TRANSMISSION SERVICE

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Kansas City, Missouri

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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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DIGITAL DATA TRANSMISSION SERVICE

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.

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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.

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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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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.

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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.

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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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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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5. Obligations of the Customer (Cont'd)

- 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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DIGITAL DATA TRANSMISSION SERVICE

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.

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2) Frame Relay UNI Port Only

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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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6. Rate Regulations (Cont'd)

b. Rate Elements

1) Frame Relay UNI Port and Access Line

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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

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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.

(C)

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.

(C)

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.

(M)

(D)

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Wentzville, MO 63385

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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.

(T)

- 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.

(T)

- 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.

(N)

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.

(N)

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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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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.

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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)

6. Rate Regulations (Cont'd)

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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)

7. Rates and Charges (Cont'd)

a. Rates

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| | <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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F. FRAME RELAY SERVICE (Cont'd)

7. Rates and Charges (Cont'd)

| 2) Frame Relay UNI Port Only, each ** | Nonrecurring Charge | Monthly Rate | (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 | | | (N) |
| Month to Month | 150.00 | 210.00 | |
| 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 | 160.00 | (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 (N)
Three to Four Year OPP is a 50% Discount (N)

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

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F. FRAME RELAY SERVICE (Cont'd)

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7. Rates and Charges (Cont'd)

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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 * | | | |
| Month-to-Month | \$80.00 (R) | \$45.00 | 14302 (NRC) 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 | | | |
| Month-to-Month | \$150.00 (R) | \$80.00 | 14299 (NRC) 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 | | | |
| Month-to-Month | \$150.00 (R) | \$115.00 | 14299 (NRC) 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 | | | |
| Month-to-Month | \$150.00 (R) | \$160.00 | 14299 (NRC) 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) | | | |
| Month-to-Month | \$395.00 (R) | \$300.00 | 14301 (NRC) 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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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) | | | (T) |
| Month-to-Month | \$395.00 | \$1180.00 | |
| 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 *** | | | (T) |
| Month-to-Month | \$55.00 | \$30.00 | |
| 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)

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a. Rates (Cont'd)

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| | | |
|-------------------------------|------------------------|-------------|
| Nonrecurring <u>Charge</u> | Monthly <u>Rate</u> | <u>IOSC</u> |
|-------------------------------|------------------------|-------------|

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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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 | (T) |
| 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)

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7. Rates and Charges (Cont'd)

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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> | (C) (C) (T) |
|--|---------------------------------|-------------------------|-------------------|
| 7) <u>Frame Relay Permanent Virtual Circuit CIR Capacity, Each Based on CIR Requested</u> | | | |
| 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 | (T) |
| 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> |
|---|---------------------------------|-------------------------|-------------|
| 7) <u>Frame Relay Permanent Virtual Circuit CIR Capacity, Each Based on CIR Requested</u> | | | |
| 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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DIGITAL DATA TRANSMISSION SERVICE

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)

| | | | |
|------------------------|----|----------|-----|
| 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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DIGITAL DATA TRANSMISSION SERVICE

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)

MISSOURI
Public Service Commission

| | <u>Nonrecurring Charges</u> | <u>Monthly Rate</u> | <u>IOSC</u> |
|--|---------------------------------|-------------------------|-------------|
| 7) <u>Frame Relay Permanent Virtual Circuit CIR Capacity, Each 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

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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- * 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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Wentzville, MO 63385

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DIGITAL DATA TRANSMISSION SERVICE

Missouri Public
Service Commission

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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 |

(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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DIGITAL DATA TRANSMISSION SERVICE

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)

REC'D FEB 14 2003

- 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 |

CANCELLED

APR 17 2004

By *JS/RS 92.6*
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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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DIGITAL DATA TRANSMISSION SERVICE

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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DIGITAL DATA TRANSMISSION SERVICE

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G. SPECTRALAN SERVICE

**MISSOURI
Public Service Commission**

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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Public Service Commission

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)

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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)

**MISSOURI
Public Service Commission**

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)

MAY 10 2000

3. Regulations (Cont'd)

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Public Service Commission

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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3. Regulations (Cont'd)

MISSOURI
Public Service Commission

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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3. Regulations (Cont'd)

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Public Service Commission

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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Public Service Commission**

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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| | <u>Nonrecurring Charge</u> | <u>GSEC</u> | <u>Monthly Rate</u> | <u>GSEC</u> |
|------------------------------|--------------------------------|-------------|-------------------------|-------------|
| 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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Chief Operating Officer
Kansas City, MissouriCANCELLED
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G. SPECTRALAN SERVICE (Cont'd)

MAY 10 2000

4. Rates (Cont'd)

MISSOURI
Public Service Commission

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)

MAY 10 2000

4. Rates (Cont'd)

MISSOURI
Public Service Commission

| <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.

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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)

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TN-2010-0092; YI-2010-0179

Kenneth Matzdorff
Chief Operating Officer
Kansas City, Missouri

DIGITAL DATA TRANSMISSION SERVICE

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

Issued: February 1, 2006

Effective: March 3, 2006

Chantel Mosby
Manager, Tariffs and Compliance
Monroe, LA

DIGITAL DATA TRANSMISSION SERVICE

CANCELLED

March 3, 2006

I. COMPETITIVE EXCHANGES

(N)

1. BUSINESS EXCHANGES

**MISSOURI PUBLIC
SERVICE COMMISSION**

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)

Issued: September 9, 2005

Effective: October 9, 2005

Chantel Mosby
Manager, Tariffs and Compliance
Monroe, LA

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