

GENERAL AND LOCAL EXCHANGE TARIFF

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DIGITAL DATA AND NETWORK SERVICES

FEB 27 1996

Table of Contents

**MISSOURI
Public Service Commission
Sheet**

| | |
|--|----|
| Digital Channel Service (DCS) | 1 |
| Digital Data Service (DDS) | 25 |
| Dial Data Service | 30 |
| High Capacity Digital DS1 (1.544 Mbps) Service | 32 |
| Mileage Charges - Intraexchange | 37 |
| Private Lines - Local | 40 |
| Private Lines - Interexchange | 45 |
| Switched Data Service | 46 |

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DIGITAL CHANNEL SERVICE

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A. General

1. Digital Channel Service is an intraexchange multifunctional digital channel service which provides access transport between a customer's premises and the local serving office on a channelized basis (DSO) over a single high-capacity (DS1) digital facility.
2. Digital Channel Service is provided in capacity increments of 24 digital channels within a single DS1 signal.
3. The following types of network services as specified in other tariffs are available on a channelized basis via Digital Channel Service. These services may be furnished on a link basis across multiple jurisdictions when connected with Digital Channel Service.
 - a. Analog Voice Service (exchange lines/trunks), and Digital Centrex Service lines, foreign exchange, off-premises extensions, and voice private lines.
 - b. Analog Data Service
 - c. Digital Data Service (2.4; 4.8; 9.6; 19.2; 56 Kbps)
 - d. DS1 (1.544 Mbps) Service
 - e. Switched Data Service

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A. General (Cont'd)

4. Digital Channel Service is comprised of the following components:

- Digital Channel Capacity
- Digital Channel Activation
- Service Activation
- Customer Premises Channelization

- a. The Digital Channel Capacity, Digital Channel Activation and Service Activation will be at the rates and charges as specified in this Tariff.
- b. Customer Premises Channelization has two rate components, Digital Channel Capacity and Service Activation, and may be provided by the Company or customer. When provided by the Company, rates and charges as specified in this Tariff. When provided by the customer, rules and regulations as specified in this Tariff.
- c. Digital Channel Service customers will have to select capacity in increments of 24 digital channels. Customers will be offered a Term Payment Plan of 36, 60, or 84 months with a month-to-month option available only after completion of selected payment plan.

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B. Digital Architecture

1. Digital Channel Service differs in provisioning method and numbering format from end-to-end services. These services will be available from the Company on a link (partial channel) basis rather than as an end-to-end service. This architecture is intended to promote more efficient connectivity of analog and digital networks in the future.
2. The time required to provision service is known as the service date interval. The service date interval for Digital Channel Service and related network services connected to Digital Channel Service will differ from the normal guidelines applicable to end-to-end services.
3. Digital Channel Service will be available on a digital basis at the network interface on a customer's premises. Traditional analog services, like off-premises stations, and automatic access lines, can be provided on a digital basis to a customer's premises by the Company when a customer desires them encoded in a DS1 bit stream. Under those conditions, they will be provided as DSO channels by the Company. Both the Company and the customer have joint responsibilities to ensure the proper transmission of the provided services. Normal analog channel network interface specifications will be superseded by the electrical specifications of the 1.544 Mbps (DS1) channel which is actually terminated. Each digital channel provided will have identity only as a "time slot" within a DS1 channel. Compatible digital to analog conversion equipment must be provided by the customer (optional) to derive the desired analog services. Any Channel Service Units (CSUs) necessary for digital services are the responsibility of the customer (optional).

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C. Definitions

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Digital Channel Capacity - A multifunctional DS1 signal between the customer premises and the central office. This digital link can be used to transport switched and dedicated services. This element acts as the transport medium for the service activations ordered by the customer. Digital Channel Capacity is available in increments of 24 digital channels.

Digital Channel Activation - The Digital Channel Activation is the quantity of channels the customer has activated at the central office. The Digital Channel Activations ordered by the customer cannot exceed the quantity of the Digital Channel Capacity.

Service Activation - A Service Activation is the connection between Digital Channel Service and the network service accessed.

Customer Premises Channelization - Provides access to the DSO time slot within the DS1 signal associated with a specific Digital Channel Service. Customer Premises Channelization utilizes D4 type channel bank equipment.

Channel Service Unit (CSU) - The term CSU denotes network channel terminating equipment provided by the customer to terminate digital channel facilities on a customer's or user's premises.

DS0 - The term DSO denotes a channel service expressed in terms of its digitally encoded data bit rate in accordance with the North American hierarchy of digital signal levels. It is generally referred to as having a 64 Kbps transmission bit rate signal; however, customer transmitted bit rates are limited to 56 Kbps. The required format and interface specifications are stated in Bellcore Technical Reference Publication 62310 (MDP 326-726).

DS1 - The term DS1 denotes 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 data rate and provided 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 Company equipment. The required format and interface specifications are stated in Bellcore Technical Reference Publication 62310 (MDP 326-726).

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FEB 27 1996

DIGITAL CHANNEL SERVICE

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D. Regulations

1. Digital Channel Service is furnished subject to the availability of facilities from digital central office equipment located in a central office building owned or leased by the Company.
2. This service is available within an exchange where appropriate digital facilities are available as determined by the Company. Service inquiries will be necessary to determine availability. Special Construction Charges as specified elsewhere in this Tariff may be applicable.
3. The 1.544 Special Transport Mileage will apply when a customer's request for Digital Channel Service is provisioned in a central office other than the customer's local serving office.
4. The customer may activate any number or combination of digital channels within the limitations as set forth in this Section. Digital channels may be activated coincident with installation or at any time subsequent to Digital Channel Capacity installation. Once activated, a digital channel is subject to a minimum service period.
5. All Digital Channel Service must be channelized in a single equipment location on a customer's premises. Digital Channel Service cannot be split between premises, or multiple locations within a premises. Extensions (as specified in other sections of this Tariff) may be furnished on a link basis between multiple locations. Standard network interfaces will be provided by the Company for analog and digital services consistent with existing practices.
6. Individual digital channels may be activated and furnished on a link (partial channel) basis with service offered in other sections of this Tariff. The regulations, rates, and charges specified in this Tariff are applicable for the Digital Channel Service component of the customer's end-to-end service. The regulations, rates, and charges in other sections of this Tariff are applicable to the customer's interconnected services (i.e., private lines, etc.), to the Non-Digital Channel Service component of the customer's end-to-end service.

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FEB 27 1996

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D. Regulations (Cont'd)

7. The total number of digital channels activated by the customer may not at any time exceed the total Digital Channel Capacity. Additionally, there are some necessary restrictions in total system capacities where certain types of services are channelized, i.e., some channelizing equipment may require two DSO channels per channel provided by the Company thereby reducing the basic system stated capacity substantially. The Company will notify the customer when the Digital Channel Capacity is affected.
8. Central Office channelization (component of Digital Channel Capacity) generally provides analog to digital conversion to permit individual exchange services and private line channel services to be transported over digital high capacity facilities. This channelization is also intended for use at Company or customer designated locations where different high capacity digital network links terminate in the same central office and must be converted to individual analog or digital channels before individual service links can be crossconnected. Digital Channel Capacities are provided in groups of 24 DSO channels, and are subject to the limits as set forth in the previous paragraph.
9. Customer Premises Channelization generally provides analog to digital conversion at a customer's premises. This allows individual exchange services and private line services to be transported over digital high capacity facilities. The termination of this channelization will be in a single equipment location on a customer's premises. The customer must provide suitable floor space, controlled environment, and a source of nonswitched 120 volt 60 Hz. AC power to support this service. Emergency backup power and ring generating equipment capabilities are available for an extra charge on an Individual Case Basis.
10. When the Company provides Digital Channel Service channelization equipment at a customer's premises, it is not necessary for the customer to provide Channel Service Units (CSU's) for associated channels.

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FEB 27 1996

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D. Regulations (Cont'd)

11. Channelization on a customer's premises may be provided by the customer or the Company. Joint provisioning of channelized services introduces joint responsibilities between the customer and the Company as specified following:

a. Responsibilities of the Company:

- 1) The Company will endeavor to activate its portion of joint service in a timely manner on the negotiated date to support installation requirements.
- 2) The Company will provide the customer with information regarding the type and the manufacturer of central office channelization equipment to be used in each application.
- 3) The Company will attempt to limit its selection of central office equipment to avoid operational and administrative difficulties associated with a multi-vendor central office environment.
- 4) The Company reserves the right to change its equipment vendors should equipment availability, price or technological advantages make such a change attractive or necessary.
- 5) The Company will notify the customer, generally a minimum of six months in advance, of any need to change its central office equipment to allow the customer sufficient time to respond, make any necessary changes, and schedule cooperative testing for cutover, if required.
- 6) Digital synchronization timing for Digital Channel Service will be provided by the Company.

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FEB 27 1996

D. Regulations (Cont'd)

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11. (Cont'd)

b. Responsibilities of the Customer:

- 1) The customer must be prepared to activate his portion of joint service in a timely manner on the negotiated date, providing testing equipment and personnel to support installation requirements, as may be necessary.
- 2) The customer will be responsible for selecting his own equipment. Customer equipment must be compatible with the Company provided channelization at the central office.

c. Trouble Resolutions:

- 1) The Company will assist the customer in resolving any installation or day-to-day channel service problems. However, the Company does not assure responsibility for the compatibility or suitability of the customer's equipment. Dispatches to customer premises caused by customer equipment troubles will result in Service Charges as set forth in this Tariff, to the customer.
12. The technical specifications and standard network interfaces for DS1 and associated channelized services are stated in Bellcore Technical Reference Publication 62310 (MDP 326-726). Channelized DS1 service is available only with D4 channel bank equipment or compatible, equivalent equipment.

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DIGITAL DATA AND NETWORK SERVICES

FEB 27 1996

DIGITAL CHANNEL SERVICE

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D. Regulations (Cont'd)

- 13. Emerging technology, such as low bit rate voice multiplexing techniques, may permit additional quantities of individual channels to be channelized on a single DS1 signal. Equipment providing this capability does not generally assure compatibility between different manufacturers. Some equipment may not be suitable for data transmission or tandem network line application. Rates, charges, and availability of this equipment will be negotiated with the customer on an Individual Case Basis.

- 14. When a customer's Digital Channel Service is interrupted due to any cause other than the negligence or willful act of the customer or the failure of the facilities provided by the customer, a pro-rata adjustment of the monthly charges involved will be allowed automatically for the service and facilities rendered useless and inoperative by reason of the interruption during the time said interruption continues in excess of 24 hours from the time it is reported to or detected by the Company except as otherwise specified in this Tariff. The adjustment shall not be applicable for the time that the Company stands ready to repair the service and the customer does not provide access to the Company for such restoration work.

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E. Application of Rates

1. Three basic rate elements; Digital Channel Capacity, Digital Channel Activation, and Service Activation are applicable to each Digital Channel Service.
2. The Digital Channel Capacity element provides for the mileage based transport and the central office channelization. Digital Channel Capacity is offered with 36, 60, or 84 month Term Payment Plan periods. A month-to-month option is available only after the completion of the selected Term Payment Plan period.
3. Digital Channel Activation is a recurring charge for each DSO channel activated within the Digital Channel Capacity. The Digital Channel Activation is offered on a month-to-month basis. When Digital Channel Service facilities are used to transport DS1 Service, the DS1 Service Activation charge is applied in lieu of the Digital Channel Activation charge.
4. Service Activation charges are recurring charges and are applicable for each network service (switched or dedicated) required by the customer. Service Activation is offered on a month-to-month basis. For DS1 services, a DS1 Service Activation charge is applicable.
5. Customer Premises Channelization is an optional component. Channelization at the customer's premises is available as a Company functionality at the rates described in this Tariff. In addition to this charge, a Customer Premises Service Activation charge will apply for each network service with Company provided channelization. Otherwise, the customer has the option to support premises channelization with CPE devices.
6. Monthly rates and charges as specified in this Tariff for Digital Channel Capacity apply according to the requested channel capacity. These rates apply regardless of the number of digital channels that are actually activated by the customer at a point time.

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E. Application of Rates (Cont'd)

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7. Exchange and long-distance calling is provided within Digital Channel Service via the appropriate service activation. A network access charge will apply to each Service Activation that utilizes basic exchange access from the local serving office, except foreign exchange service. The network access charges when utilized for Digital Centrex Service will be ordered and billed as specified in this Tariff. This charge is in addition to all other applicable Digital Channel Service charges.
8. Rates and charges specified in other Tariff sections for services such as Custom Call Services, etc., are in addition to the monthly rates for Digital Channel Service. End User Subscriber Line charges are applicable to Digital Channel Service.
9. The rates and charges for other services connected or extended beyond Digital Channel Service (i.e., off-premises extensions and private lines, etc.) are in addition to the rates specified in this Tariff for the Digital Channel Service portion necessary to provide customer end-to-end service. This will also apply to Nonrecurring Charges and Service Charges as specified in other Tariffs for activities involving the Non-Digital Channel Service portion of the customer end-to-end service.
10. Digital Channel Capacity is available under Term Payment Plans only for rate periods of 36, 60, or 84 months. All elements of a Term Payment Plan will expire at the same time (be coterminous).
 - a. The customer may order additional Digital Channel Capacity(s) during a Term Payment Plan period. The expiration date of the additional capacity(s) will be the same expiration date as the original Term Payment Plan period.
 - b. Customer Premises Channelization Capacity charges (applicable only if Company provided) are available under Term Payment Plans only for rate periods of 36, 60, or 84 months.
 - c. Digital Channel Activation charges are available only on a month-to-month basis.

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DIGITAL DATA AND NETWORK SERVICES

FEB 27 1996

DIGITAL CHANNEL SERVICE

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E. Application of Rates (Cont'd)

10. (Cont'd)

- d. Service Activation charges are available on a month-to-month basis.
 - e. Individual network services (switched or dedicated) that are connected to Digital Channel Service, are not available under the Term Payment Plan rate stability provisions. Those services are subject to their standard tariff provisions and minimum service periods as appropriate.
11. At the expiration date of the customer's selected Term Payment Plan period, the customer may continue service under a new Term Payment Plan or on a month-to-month basis. Rates for service under these options will be the current rates as specified in this Tariff.
12. A Termination Liability Charge will be applicable should the customer discontinue service prior to the end of the Term Payment Plan. This is subject to the following exemptions:
- a. No Termination Liability Charge will be applicable for the Digital Channel Capacity when the customer renegotiates a new Term Payment Plan for the same equipment or larger system at the same location for a period of time greater than the time remaining on the existing Term Payment Plan, subject to payment periods contained in E.10.
 - b. All Digital Channel Service Components are coterminous with the Digital Channel Capacity with which they are associated. Any activations subscribed to on a month-to-month basis have a minimum service period of one month and no associated Termination Liability Charge.
13. A Termination Liability Charge will be calculated based on the sum of the monthly payments remaining under the customer's Term Payment Plan, adjusted to the present value at the date of termination, based upon a 12% APR discount. The Termination Liability Charge is due in full at the date of termination.

FILED

95-134

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E. Application of Rates (Cont'd)

14. Transfer of service responsibility between customers is permitted subject to the Rules and Regulations as specified in this Tariff.

15. Unless specified herein, the regulations contained elsewhere in this Tariff are applicable to Digital Channel Service. These regulations include but are not limited to:

- Cancellation of Service
- Application for Service
- Payment Arrangements
- Limitation of Liability

16. Should customers request interconnection between different Digital Channel Services provisioned in two or more different local serving offices, the 1.544 special transport mileage rates will apply. This charge will apply in addition to Digital Channel Service charges for each customer's premises which Digital Channel Service is provisioned.

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FEB 27 1996

F. Rates and Charges

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1. Service Charges

a. Service Establishment Charge

- 1) This charge applies to the initial Digital Channel Capacity(s) ordered by a customer for receiving, recording and processing the request for service. This charge includes processing orders to establish initial Digital Channel and Service Activations and/or Company provided Customer Premises Channelization. This charge includes common centralized testing, coordination and accounting activities.
- 2) This charge also applies to subsequent orders received to establish additional Digital Channel Capacity(s).

b. Service Change Charge

- 1) This charge applies on a per Digital Channel Capacity Service Activation basis associated with a customer request for modifications to an existing service. This would include activities such as, but not limited to:
 - Change of associated channel assignment
 - Additional supplemental features
 - Activate/deactivate Digital Channel Activation
 - Activate/deactivate Service Activation
- 2) This Service Change Charge will be applied on a first and each additional basis and is in addition to Service Charges as specified elsewhere in this Tariff.

c. Charges

- 1) Service Establishment Charge
- 2) Service Change Charge

Nonrecurring
Charge

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\$500.00
100.00

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DIGITAL DATA AND NETWORK SERVICES

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F. Rates and Charges (Cont'd)

2. Digital Channel Capacity

The monthly and nonrecurring rates for Digital Channel Capacity without Activated Services are as follows:

a. Per System - 36 Month Contract

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| <u>Capacity</u> | <u>Monthly Rate</u> | <u>Nonrecurring Charge</u> |
|-------------------|---------------------|----------------------------|
| 1) 24 Channels | \$ 340.00 | \$ 250.00 |
| 2) 48 Channels | 520.00 | 500.00 |
| 3) 72 Channels | 700.00 | 750.00 |
| 4) 96 Channels | 880.00 | 1,000.00 |
| 5) 120 Channels | 1,060.00 | 1,250.00 |
| 6) 144 Channels | 1,240.00 | 1,500.00 |
| 7) 192 Channels | 1,600.00 | 2,000.00 |
| 8) 240 Channels | 1,960.00 | 2,500.00 |
| 9) 288 Channels | 2,320.00 | 3,000.00 |
| 10) 384 Channels | 3,040.00 | 4,000.00 |
| 11) 480 Channels | 3,760.00 | 5,000.00 |
| 12) 576 Channels | 4,480.00 | 6,000.00 |
| 13) 672 Channels | 5,200.00 | 7,000.00 |
| 14) 1344 Channels | 10,240.00 | 14,000.00 |
| 15) 2016 Channels | 15,280.00 | 21,000.00 |

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F. Rates and Charges (Cont'd)

2. Digital Channel Capacity (Cont'd)

b. Per System - 60 Month Contract

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| <u>Capacity</u> | <u>Monthly Rate</u> | <u>Nonrecurring Charge</u> |
|-------------------|---------------------|----------------------------|
| 1) 24 Channels | \$ 320.00 | \$ 250.00 |
| 2) 48 Channels | 490.00 | 500.00 |
| 3) 72 Channels | 660.00 | 750.00 |
| 4) 96 Channels | 830.00 | 1,000.00 |
| 5) 120 Channels | 1,000.00 | 1,250.00 |
| 6) 144 Channels | 1,170.00 | 1,500.00 |
| 7) 192 Channels | 1,510.00 | 2,000.00 |
| 8) 240 Channels | 1,850.00 | 2,500.00 |
| 9) 288 Channels | 2,190.00 | 3,000.00 |
| 10) 384 Channels | 2,870.00 | 4,000.00 |
| 11) 480 Channels | 3,550.00 | 5,000.00 |
| 12) 576 Channels | 4,230.00 | 6,000.00 |
| 13) 672 Channels | 4,910.00 | 7,000.00 |
| 14) 1344 Channels | 9,670.00 | 14,000.00 |
| 15) 2016 Channels | 14,430.00 | 20,000.00 |

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DIGITAL DATA AND NETWORK SERVICES

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DIGITAL CHANNEL SERVICE

FEB 27 1996

- F. Rates and Charges (Cont'd)
- 2. Digital Channel Capacity (Cont'd)
- c. Per System - 84 Month Contract

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| <u>Capacity</u> | <u>Monthly Rate</u> | <u>Nonrecurring Charge</u> |
|-------------------|---------------------|----------------------------|
| 1) 24 Channels | \$ 300.00 | \$ 250.00 |
| 2) 48 Channels | 460.00 | 500.00 |
| 3) 72 Channels | 620.00 | 750.00 |
| 4) 96 Channels | 780.00 | 1,000.00 |
| 5) 120 Channels | 940.00 | 1,250.00 |
| 6) 144 Channels | 1,100.00 | 1,500.00 |
| 7) 192 Channels | 1,420.00 | 2,000.00 |
| 8) 240 Channels | 1,740.00 | 2,500.00 |
| 9) 288 Channels | 2,060.00 | 3,000.00 |
| 10) 384 Channels | 2,700.00 | 4,000.00 |
| 11) 480 Channels | 3,340.00 | 5,000.00 |
| 12) 576 Channels | 3,980.00 | 6,000.00 |
| 13) 672 Channels | 4,620.00 | 7,000.00 |
| 14) 1344 Channels | 9,100.00 | 14,000.00 |
| 15) 2016 Channels | 13,580.00 | 21,000.00 |

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FEB 27 1996

- F. Rates and Charges (Cont'd)
- 2. Digital Channel Capacity (Cont'd)
- d. Month-to-Month

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| <u>Capacity</u> | <u>Monthly Rate (1)</u> |
|-------------------|-------------------------|
| 1) 24 Channels | \$ 300.00 |
| 2) 48 Channels | 460.00 |
| 3) 72 Channels | 620.00 |
| 4) 96 Channels | 780.00 |
| 5) 120 Channels | 940.00 |
| 6) 144 Channels | 1,100.00 |
| 7) 192 Channels | 1,420.00 |
| 8) 240 Channels | 1,740.00 |
| 9) 288 Channels | 2,060.00 |
| 10) 384 Channels | 2,700.00 |
| 11) 480 Channels | 3,340.00 |
| 12) 576 Channels | 3,980.00 |
| 13) 672 Channels | 4,620.00 |
| 14) 1344 Channels | 9,100.00 |
| 15) 2016 Channels | 13,580.00 |

(1) Month-to-Month rates are only available at the end of a 36, 60, or 84 month contract.

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DIGITAL DATA AND NETWORK SERVICES

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DIGITAL CHANNEL SERVICE

F. Rates and Charges (Cont'd)

| | <u>Monthly Rate</u> | <u>Nonrecurring Charge</u> |
|---|-------------------------|--------------------------------|
| 3. Digital Channel Activation, per channel (DSO) activated. (Does not apply to DS1 Service) | \$ 1.00 | \$ 6.00 |
| 4. Service Activation, per channel basis | | |
| a. Exchange Line/Trunk Local Calling Scope | 16.00 | 40.00 |
| b. Digital Centrex Service Line | 20.00 | 40.00 |
| c. FX, OPX or Private Line | 25.00 | 40.00 |
| d. Digital Data Service 2.4, 4.8, 9.6, 19.2 Kbps | 60.00 | 40.00 |
| e. Digital Data Service 56 Kbps | 65.00 | 40.00 |
| f. DS1 Service | 75.00 | 500.00 |
| g. Switched Data Service(1) | | |
| 1) Single Line | 10.00 | 40.00 |
| 2) Digital Centrex Service | 10.00 | 40.00 |
| 3) Digital Centrex Service with DID/DOD | 10.00 | 40.00 |

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Nonrecurring Charge
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(1) Refer to Switched Data Services, this Section for applicable usage rates.

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95 - 134
APR 1 1996

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DIGITAL CHANNEL SERVICE

F. Rates and Charges (Cont'd)

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5. Customer Premises Channelization - Company provided on customer premises

a. Per System - 36 Month Contract

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| <u>Capacity</u> | <u>Monthly Rate</u> |
|-------------------|---------------------|
| 1) 24 Channels | \$ 120.00 |
| 2) 48 Channels | 240.00 |
| 3) 72 Channels | 360.00 |
| 4) 96 Channels | 480.00 |
| 5) 120 Channels | 600.00 |
| 6) 144 Channels | 720.00 |
| 7) 192 Channels | 960.00 |
| 8) 240 Channels | 1,200.00 |
| 9) 288 Channels | 1,440.00 |
| 10) 384 Channels | 1,920.00 |
| 11) 480 Channels | 2,400.00 |
| 12) 576 Channels | 2,880.00 |
| 13) 672 Channels | 3,360.00 |
| 14) 1344 Channels | 6,720.00 |
| 15) 2016 Channels | 10,080.00 |

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95 - 1,34
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DIGITAL CHANNEL SERVICE

F. Rates and Charges (Cont'd)

5. Customer Premises Channelization - Company provided on customer premises (Cont'd)

b. Per System - 60 Month Contract

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| <u>Capacity</u> | <u>Monthly Rate</u> |
|-------------------|---------------------|
| 1) 24 Channels | \$ 110.00 |
| 2) 48 Channels | 220.00 |
| 3) 72 Channels | 330.00 |
| 4) 96 Channels | 440.00 |
| 5) 120 Channels | 550.00 |
| 6) 144 Channels | 660.00 |
| 7) 192 Channels | 880.00 |
| 8) 240 Channels | 1,100.00 |
| 9) 288 Channels | 1,320.00 |
| 10) 384 Channels | 1,760.00 |
| 11) 480 Channels | 2,200.00 |
| 12) 576 Channels | 2,640.00 |
| 13) 672 Channels | 3,080.00 |
| 14) 1344 Channels | 6,160.00 |
| 15) 2016 Channels | 9,240.00 |

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DIGITAL CHANNEL SERVICE

F. Rates and Charges (Cont'd)

5. Customer Premises Channelization - Company provided on customer premises (Cont'd)

c. Per System - 84 Month Contract

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| <u>Capacity</u> | <u>Monthly Rate</u> |
|-------------------|---------------------|
| 1) 24 Channels | \$ 100.00 |
| 2) 48 Channels | 200.00 |
| 3) 72 Channels | 300.00 |
| 4) 96 Channels | 400.00 |
| 5) 120 Channels | 500.00 |
| 6) 144 Channels | 600.00 |
| 7) 192 Channels | 800.00 |
| 8) 240 Channels | 1,000.00 |
| 9) 288 Channels | 1,200.00 |
| 10) 384 Channels | 1,600.00 |
| 11) 480 Channels | 2,000.00 |
| 12) 576 Channels | 2,400.00 |
| 13) 672 Channels | 2,800.00 |
| 14) 1344 Channels | 5,600.00 |
| 15) 2016 Channels | 8,400.00 |

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95 - 134

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DIGITAL CHANNEL SERVICE

F. Rates and Charges (Cont'd)

5. Customer Premises Channelization - Company provided on customer premises (Cont'd)

d. Per System - Month-to-Month

| <u>Capacity</u> | <u>Monthly Rate (1)</u> |
|-------------------|-------------------------|
| 1) 24 Channels | \$ 100.00 |
| 2) 48 Channels | 200.00 |
| 3) 72 Channels | 300.00 |
| 4) 96 Channels | 400.00 |
| 5) 120 Channels | 500.00 |
| 6) 144 Channels | 600.00 |
| 7) 192 Channels | 800.00 |
| 8) 240 Channels | 1,000.00 |
| 9) 288 Channels | 1,200.00 |
| 10) 384 Channels | 1,600.00 |
| 11) 480 Channels | 2,000.00 |
| 12) 576 Channels | 2,400.00 |
| 13) 672 Channels | 2,800.00 |
| 14) 1344 Channels | 5,600.00 |
| 15) 2016 Channels | 8,400.00 |

FEB 27 1996

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(1) Month-to-Month rates are only available at the end of a 36, 60, or 84 month contract.

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95-134

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DIGITAL CHANNEL SERVICE

FFB 27 1995

F. Rates and Charges (Cont'd)

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| | <u>Monthly Rate</u> | <u>Monthly Rate</u> |
|--|-------------------------|-------------------------|
| 6. Customer Premises Service Activation, per channel basis | | |
| a. Exchange Line/Trunk Local Calling Scope | \$ 5.00 | \$ 20.00 |
| b. Digital Centrex Service Line | 5.00 | 20.00 |
| c. FX, OPX or Private Line | 6.00 | 20.00 |
| d. Digital Data Service 2.4, 4.8, 9.6, 19.2 Kbps | 15.00 | 20.00 |
| e. Digital Data Service 56 Kbps | 20.00 | 20.00 |
| f. Switched Data Service | 25.00 | 20.00 |

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95-136
APR 1 1996

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DIGITAL DATA AND NETWORK SERVICES

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DIGITAL DATA SERVICEMISSOURI
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A. General

1. Digital Data Service is an intraexchange service which supports synchronous, full-duplex transmission at bit rates of 2.4, 4.8, 9.6, 19.2 and 56 Kilobits per second (Kbps) between the serving wire center of the customer designated locations.

2. There are five synchronous speeds offered through Digital Data Service.

2.4 Kbps - These facilities are best used for single terminal configurations.

4.8 Kbps - These facilities are best used for single terminal configurations.

9.6 Kbps - These facilities can be used for single terminal configurations and multiple terminal configurations through the addition of customer-provided multiplexers.

19.2 Kbps - These facilities can be used for single terminal configurations as well as multiple terminal configurations through the addition of customer-provided multiplexers.

56 Kbps - These facilities are suitable for all data transmissions. They require the ability to connect to a synchronous network. These facilities may be ordered as two-point or multipoint configurations. However, multipoint configurations are rare due to the considerable bandwidth of the circuit, but are available. Customer-provided multiplexing of the lower speed synchronous or asynchronous circuits between two CDLs is common at this speed.

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95 - 134
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DIGITAL DATA SERVICE

B. Conditions

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1. Digital Data Service provides a transmission path for digital data signals between two customer designated locations within an exchange.
2. Digital Data Service is furnished for duplex operation on a full-time basis (24 hours a day, seven days per week).
3. Digital Data Service can only be provided within the same exchange where existing digital facilities and equipment permit. Services between serving wire centers must have digital service components (digital connectivity) between all intermediate offices to have the ability to provide the service.
4. There are two types of facility configurations over which Digital Data Service is provided, two-point and multipoint.
 - a. Two-Point - A two-point configuration is a circuit which is provided to connect two CDLs.
 - b. MultiPoint Service - A multipoint configuration is a circuit that is provided to connect three or more CDLs through a telephone company hub wire center. Multipoint Digital Data Service is provided in the following manner:
 - 1) Special Access Line per CDL to their respective serving wire centers.
 - 2) Special Transport facility between hub wire centers.
 - 3) Special Transport facility between the serving wire centers associated with the customer designated locations and the hub wire center.
 - 4) Special Transport Termination at each end of the Special Transport facility terminating in a telephone company serving wire center when applicable.
 - 5) Supplemental Features - Bridging equipment charges for each bridging location and other Supplemental Features when applicable.

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95 - 134
APR 1 1996

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DIGITAL DATA SERVICE

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C. Rates and Charges

1. There are four basic rate elements which may apply to Digital Data Service:

- Special Access Line (SAL)
- Special Transport (ST)
- Special Transport Termination (STT)
- Supplemental Features

2. Special Access Line

A Special Access Line (SAL) provides the transmission facilities to a customer designated location (CDL) or the facilities between a CDL and the serving wire center. This rate element varies by the bit-rate of the circuit ordered.

The applicable rates are the nonrecurring charge and monthly rate set forth per Digital Special Access Line installed.

One SAL charge applies per CDL at which the facility is terminated. This charge applies even if the facilities to the CDL do not transit a serving wire center. This charge also applies even if the CDL and the serving wire center are collocated in a telephone company building, except as specified below.

3. Special Transport

Special Transport provides the transmission facilities between the serving wire centers associated with two CDLs. This rate element is per airline mile. Fractional miles are rounded to the next whole mile.

The Special Transport rate will not apply if both CDLs are in the same serving wire center.

FILED
95 - 134
APR 1 1996

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FEB 27 1996

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C. Rates and Charges (Cont'd)

4. Special Transport Termination

Special Transport Termination provides the equipment and arrangements necessary to terminate the Special Transport facility at a telephone company serving wire center. One Special Transport Termination charge applies for the termination of each end of a Special Transport facility for Digital Data Services.

The Special Transport Termination rate will not apply if both CDLs are in the same serving wire center.

5. Supplemental Features

Supplemental Features may be added to a Digital Data Service circuit to improve its utility to meet specific communications requirements. These are not necessarily identifiable with specific circuit bit-rate, but rather represent the end result in terms of performance characteristics which may be obtained. Although the facilities necessary to perform a specified function may be installed at various locations along the path of the Digital Data Service circuit, including the customer designated location, it will be provided for as a single rate element. The Supplemental Feature available for Digital Data Service is described below:

a. Digital Data Service Bridging

- 1) Provides for a multi-junction unit (MJU) arrangement to bridge 2.4 Kbps, 4.8 Kbps, 9.6 Kbps, 19.2 Kbps or 56 Kbps Digital Data Service facilities. Different speeds cannot be mixed on the same bridge. This function is provided on a per port basis.

FILED

95 - 134

APR 1 1996

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DIGITAL DATA AND NETWORK SERVICES

MISSOURI
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DIGITAL DATA SERVICE

C. Rates and Charges (Cont'd)

| | <u>Monthly Rate</u> | <u>NRC</u> |
|---|-------------------------|------------|
| 6. Special Access Line (SAL) | | |
| Five synchronous speeds, per customer location | | |
| a. 2.4 Kbps | \$55.00 | \$71.00 |
| b. 4.8 Kbps | 55.00 | 71.00 |
| c. 9.6 Kbps | 55.00 | 71.00 |
| d. 19.2 Kbps | 55.00 | 71.00 |
| e. 56 Kbps | 68.00 | 71.00 |
| 7. Special Transport/ Termination (ST/STT) | | |
| Interoffice facilities | | |
| a. Per intraexchange mile or fraction | 2.00 | - |
| b. Per termination | 25.00 | - |
| 8. Supplemental Feature | | |
| a. Bridging, per port | 12.00 | |

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 95 - 134
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DIGITAL DATA AND NETWORK SERVICES

FEB 27 1996

DIAL DATA SERVICE

MISSOURI
Public Service Commission

A. General

1. Dial Data Service is an enhancement to residential and business individual line service to provide higher quality transmission standards than normally provided for voice transmission. It is designed for customers requesting a better grade of service for data transmission. Lines conditioned with this level of service may also be used for normal voice communication. This service is offered subject to the availability of suitable facilities.

B. Conditions

1. The parameters of Dial Data Service are designed to support transmission of data up to 4800 bits per second on the local loop from the point of demarcation to the serving central office switch.
2. The quality of the line is guaranteed only between the customer point of demarcation and the serving central office switch. No guarantee is made for a transmission level over the entire circuit.
3. Dial Data Service may not be compatible with other services offered in this Tariff, such as Call Waiting and Selective Ring, and is not offered in conjunction with the following:
 - Party line service
 - PBX trunks or stations
 - Foreign Exchange Service
 - Digital Centrex Service Service
 - Off-premise extensions
 - Foreign Central Office Service
 - Outward WATS
 - Residence or business service provided by analog station carrier (e.g. 82A & 84A)

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95 - 134
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FEB 27 1996

DIAL DATA SERVICE

MISSOURI
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C. Rates and Charges

1. The following monthly rates are in addition to all applicable nonrecurring and recurring charges as specified in the Company's tariffs. The nonrecurring charge applies in addition to all other Service Charges when this service is ordered in conjunction with other services.

a. Dial Data Service:

| | <u>Monthly Rate</u> | <u>Nonrecurring Charge</u> |
|--------------|-------------------------|--------------------------------|
| 1) Business | \$5.00 | \$25.00 |
| 2) Residence | 5.00 | 25.00 |

FILED
95 - 134
APR 1 1996

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DIGITAL DATA AND NETWORK SERVICES

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HIGH CAPACITY DIGITAL DS1 (1.544 Mbps) SERVICE

MISSOURI
Public Service Commission

A. General

1. High Capacity Digital DS1 Service is an intraLATA dedicated high capacity channel used for simultaneous two-way transmission of serial, bipolar, return-to-zero isochronous digital signals at a transmission speed of 1.544 megabits per second (Mbps). This service is designed to provide an average performance of at least 95% (percent) error free seconds of transmission over a continuous 24 hour period.

B. Conditions

1. DS1 Service is available only on a point-to-point intraexchange/intraLATA basis. This service is provided between two Customer Designated Locations (CDLs).
2. DS1 Service is furnished on a full-time basis, 24 hours a day, seven days per week.
3. DS1 Service can only be provided within the same exchange where existing digital facilities and equipment permit.

C. Rates and Charges

1. There are three basic rate elements which may apply to DS1 Service:
 - Special Access Line (SAL)
 - Special Transport (ST)
 - Special Transport Termination (STT)

2. Special Access Line

- a. A Special Access Line (SAL) provides the transmission facilities between a Customer Designated Location and the serving wire center.

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95 - 134
APR 1 1996

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HIGH CAPACITY DIGITAL DS1 (1.544 Mbps) SERVICE

MISSOURI
Public Service Commission

C. Rates and Charges (Cont'd)

3. Special Transport

- a. Special Transport (ST) is defined as the facilities for digital transmission provided between two serving wire centers. This rate element is per airline mile. Fractional miles are rounded to the next whole mile.
- b. The Special Transport rate will not apply if both CDLs are in the same serving wire center.

4. Special Transport Termination

- a. Special Transport Termination (STT) provides the equipment and arrangements necessary to terminate the Special Transport facility at a serving wire center. One Special Transport Termination charge applies for the termination of each end of a Special Transport facility for DS1 Services.
- b. The Special Transport Termination rate will not apply if both CDLs are in the same serving wire center.

5. Optional Payment Plan (OPP)

- a. A customer may elect to participate in an Optional Payment Plan (OPP) arrangement for DS1 Service. The OPP allows a customer to order the "First System" DS1 Special Access Line over a 12, 36, or 60 month payment period. The OPP applies to the "First System" DS1 Special Access Line rate element ordered between a customer designated location and its serving wire center. When the same customer orders "Additional System" DS1 Special Access Lines at the same Customer Designated Location, the standard nonrecurring and monthly rates, as set forth in this Tariff for "Each Additional System", will apply.

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95 - 134
APR 1 1996

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HIGH CAPACITY DIGITAL DS1 (1.544 Mbps) SERVICE

C. Rates and Charges (Cont'd)

FEB 27 1996

6. Early Termination Liability

a. When a "First System" DS1 OPP Special Access Line is discontinued prior to the end of the payment period, two levels of termination liability may apply based on the remainder of the OPP payment period in effect at the time of disconnect as indicated below.

1) 12 Month Contract OPP

a) 50% of any remaining portion of the first year's recurring charges.

2) 36 Month Contract OPP

a) 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second and third year, the customer will be liable for 10% of the total monthly charges in that time period.

3) 60 Month Contract OPP

a) 50% of any remaining portion of the first year's recurring charges. In addition, for any remaining portion of the second and third year, the customer will be liable for 20% of the total monthly charges in that time period.

7. Early Termination Without Liability

a. During the OPP payment period, should the currently effective rate for a customer's "First System" DS1 OPP Special Access Line increase, the customer may, at their option, terminate the service without penalty or liability.

8. Notification of Discontinuance

a. Notice of discontinuance must be given by the customer at least thirty (30) days prior to actual discontinuance. Monthly charges will apply for a period of thirty (30) days from the date the Company receives discontinuance notification or until the requested discontinuance date, whichever period is longer.

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95 - 134

APR 1 1996

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HIGH CAPACITY DIGITAL DS1 (1.544 Mbps) SERVICE

FEB 27 1996

C. Rates and Charges (Cont'd)

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9. Special Access Line (SAL)

a. Month/Month

| | <u>Monthly Rate</u> | |
|----------------------------------|-------------------------|----------|
| 1) First System | \$317.00 | \$965.00 |
| 2) Additional System, each(1) | 180.00 | 128.00 |

b. 12 Month Contract

| | | |
|----------------------------------|--------|---|
| 1) First System | 301.00 | - |
| 2) Additional System, each(2) | 180.00 | - |

c. 36 Month Contract

| | | |
|----------------------------------|--------|---|
| 1) First System | 271.00 | - |
| 2) Additional System, each(2) | 180.00 | - |

d. 60 Month Contract

| | | |
|----------------------------------|--------|---|
| 1) First System | 241.00 | - |
| 2) Additional System, each(2) | 180.00 | - |

(1) Valid only if installed at the same location(s) as First System. (Same "A" to "Z" locations.)

(2) Valid for remaining contracted life on Additional System(s) installed at same location(s) as first contracted system. (Either same as "A" to "CO" or "Z" to "CO".)

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 95 - 134
 APR 1 1996

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FEB 27 1996

DIGITAL DATA AND NETWORK SERVICES

**MISSOURI
Public Service Commission**

HIGH CAPACITY DIGITAL DS1 (1.544 Mbps) SERVICE

C. Rates and Charges (Cont'd)

| | <u>Monthly Rate</u> | <u>NRC per order</u> |
|--|-------------------------|--------------------------|
| 10. Special Transport/ Termination (ST/STT) | | |
| a. Interoffice facilities | | |
| 1) Per airline mile or fraction | \$ 30.85 | \$ - |
| 2) Per termination | 50.00 | - |

FILED
95 - 134
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DIGITAL DATA AND NETWORK SERVICES
MILEAGE CHARGES INTRA-EXCHANGE

FEB 27 1996

A. General

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1. Mileage charges apply to line extensions. All mileage is measured on an airline basis unless otherwise indicated.

B. Conditions

1. Applicable line extension mileage will be determined in the following manner:
 - a. Off-premises mileage charges are assigned to telephone stations not located on the same contiguous property as the central office access line or PBX frame. Routing of facilities will be provided in such manner as the Company may select. Mileage applications include but are not limited to extensions for (T) services such as Telephone Answer Bureau Service.
 - b. If the loop of the additional station is bridged at the Central Office with the loop of the central office access line, the airline distance between the central office and the additional station is the mileage measurement. The mileage measurement includes inter-central office airline mileage if the two points are located in different central office areas of the same multi-office exchange. If the additional station is connected with the central office access line by a nonloop, the airline distance between the central office access line and additional station is the mileage measurement.
 - c. If the circuit connecting a PBX station with a PBX frame is routed through the central office in a loop, the airline distance between the demarcation point for the PBX station and PBX frame via the central office is the mileage measurement. If the circuit connecting the PBX station and PBX frame is not routed through the central office, the airline distance between the demarcation points for the PBX station and PBX frame is the mileage measurement.
 - d. Mileage charges are made on the basis of quarter mile airline units between the demarcation points for the station and the central office access line or PBX frame, with each fractional quarter mile unit counting as an additional full quarter mile unit.

FILED

9 5 - 1 3 4
 APR 1 1996

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DIGITAL DATA AND NETWORK SERVICES

MILEAGE CHARGES INTRA-EXCHANGE

FEB 27 1996

B. Conditions (Cont'd)

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- 2. Special equipment or arrangements in addition to that regularly provided at charges and/or rates based upon costs incurred.
- 3. Off premises extensions (OPX) will be allowed under the following conditions:
 - a. The service is limited to intraexchange individual central office access lines only (not semi-public service).
 - b. A business customer may have an extension from the customer's business to another business location if the other location is also the same billed account in the same exchange. A separate central office access line is not required in this instance.
 - c. Business stations may be located on the premises of another business when each party has its own separate central office access line.
 - d. Extensions from residence to residence are permitted when each party has its own separate central office access line.
 - e. Extensions from residence to business are permitted when each party has its own separate central office access line. If residence OPX service is installed at a business location, the residence main service and OPX must change to business rates.
 - f. Extensions from business to residence are permitted when the residence location has its own separate central office access line. If a proprietor actually lives in his business establishment, a separate central office access line is not required for extension service.
 - g. The offering is subject to the availability of facilities. If special construction is required in regard to the installation of extensions, construction charges will be applied. If the OPX leaves the serving wire center, construction charges may also apply.
 - h. When facilities must be constructed to provide service to the applicant beyond the Base Rate boundary, charges shall be determined as found under Line Extension Mileage in this Tariff.

FILED

APR 1 1996

95-134

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DIGITAL DATA AND NETWORK SERVICES

FEB 27 1995

MILEAGE CHARGES INTRA-EXCHANGE

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C. Rates and Charges

1. In addition to the following rates, Service Charges apply.

| | <u>Monthly Rate</u> |
|---------------------------|---------------------|
| a. Line Extension Mileage | |
| 1) Single pair | |
| first 1/4 mile | \$2.05 |
| Each additional 1/4 mile | 1.85 |

FILED
95-134
APR 1 1996

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FEB 27 1996

PRIVATE LINES - LOCAL

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A. General

1. Charges are assigned to communications services which meet the following conditions:
 - a) Private line service is an intraexchange voice grade service between the serving wire center and customer designated locations.
 - b) The service cannot access nor be accessed by message services provided to the general public.
 - c) The service is furnished for the exclusive use of a customer and the customer's authorized users between specified points in the same Local Exchange Service Area.
 - d) The service does not qualify for intrastate toll or interstate toll regulation.

B. Conditions

1. Private Line Service provides a transmission path for voice grade signals between two customer designated locations within an exchange.
2. Private Line Service is furnished for duplex operation on a full-time basis (24 hours a day, seven days per week).
3. Private Line Service can only be provided within the same exchange where existing facilities and equipment permit.

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95 - 134
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FEB 27 1996

PRIVATE LINES - LOCAL

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B. Conditions (Cont'd)

4. There are two types of facility configurations over which Private Line Service is provided, two-point and multipoint.

a. Two-Point

A two-point configuration is a circuit which is provided to connect two CDLs.

b. MultiPoint Service

A multipoint configuration is a circuit that is provided to connect three or more CDLs through a telephone company hub wire center. Multipoint Private Line Service is provided in the following manner:

- (1) Special Access Line per CDL to their respective serving wire centers.
- (2) Special Transport facility between hub wire centers.
- (3) Special Transport facility between the serving wire centers associated with the customer designated locations and the hub wire center.
- (4) Supplemental Features - Bridging equipment charges for each bridging location and other Supplemental Features when applicable.

FILED
95 - 134
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DIGITAL DATA AND NETWORK SERVICES

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C. Element Descriptions

1. General

There are three basic rate elements which may apply to Private Line Service:

- Special Access Line (SAL)
- Special Transport (ST)
- Supplemental Features

2. Special Access Line

A Special Access Line (SAL) provides the transmission facilities to a customer designated location (CDL) or the facilities between a CDL and the serving wire center.

One SAL charge applies per CDL at which the facility is terminated. This charge applies even if the facilities to the CDL do not transit a serving wire center. This charge also applies even if the CDL and the serving wire center are collocated in a telephone company building.

3. Special Transport

Special Transport provides the transmission facilities between the serving wire centers associated with two CDLs. This rate element is per airline mile. Fractional miles are rounded to the next whole mile.

The Special Transport rate will not apply if both CDLs are in the same serving wire center.

4. Supplemental Features

a. Private Line Service Bridging

Provides for a multi-junction unit (MJU) arrangement to bridge facilities. This function is provided on a per port basis.

FILED
95-134
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D. Rates and Charges

| | <u>Monthly Rate</u> |
|---|-------------------------|
| 1. Special Access Line (SAL) per customer location | |
| a. Two-wire | \$9.40 |
| b. Four-wire | 18.80 |
| 2. Special Transport | |
| Interoffice facilities | |
| a. Per intraexchange mile (or fraction) | 5.00 |
| 3. Supplemental Features | |
| a. Bridging, per port | 8.00 |

FILED
95 - 134
APR 1 1996

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D. Rates and Charges (Cont'd)

3. Supplemental Features (Cont'd)

b) Local Analog - Circuit Conditioning

- 1) Local private line within same exchange used for data transmission on a two-point or multipoint circuit application of these charges shall mean that the circuit shall meet the following specifications: Envelope delay distortion shall not exceed between 1000 and 26000 Hz, a max difference of 500 micro sec, between 600 and 2600 Hz, a max difference of 1500 micro sec, between 500 and 2800 Hz, a max difference of 3000 micro sec. The loss deviation with frequency from 1004 Hz reference shall not exceed between 500 and 2800 Hz, -1db to +3db, between 300 and 3000 Hz, -2db to +6db (+ means more loss).

| | <u>Monthly Rate</u> | <u>Installation Charge</u> |
|----------------------------|-------------------------|--------------------------------|
| a) Per Circuit Termination | \$19.00 | \$46.65 |

FILED
95 - 134
APR 1 1996

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Effective: April 1, 1996

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95 - 134
APR 1 1995

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FEB 27 1996

SWITCHED DATA SERVICEMISSOURI
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A. General

This section contains the application, description, definitions, standard/optional feature packages, regulations, and rates and charges applicable to Switched Data Service furnished by the Company where available to customers served by and within the service territories of OZARK TELEPHONE COMPANY only. This service is only available where technology and facilities permit.

B. Description of Service

1. Switched Data Service is a network service which provides the capability for switched digital and end-to-end data transport.
2. The customer may subscribe to Switched Data Service under the following service arrangements, except when conditions as specified in this Tariff are applicable:
 - a. Low Speed Switched Data - Low Speed Switched Data Service supports 300, 1200, 2400, 4800, 9600 and 19,200 bits per second asynchronous full or half duplex connections and 1200, 2400 4800, 9600 and 19,200 bits per second synchronous full or half duplex connections.

Single Line
Centrex line

- b. High Speed Switched Data - High Speed Switched Data Service supports 48,000, 56,000 and 64,000 bits per second synchronous full duplex connections.

Single Line
Centrex line

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95 - 134
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SWITCHED DATA SERVICE

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B. Description of Service (Cont'd)

2. (Cont'd)

c. Switched Data Channel Access - A 1.544 high capacity digital facility which transports Switched Data usage between the customer's premise and the local serving central office on a channelized basis. Each Switched Data Channel Access provides 24 digital channels which support data transmission only. On a per channel basis, the customer can transmit data up to 56,000 bits per second.

C. Definitions

Asynchronous - A method of transmitting data in which each transmitted character is preceded by a start bit and followed by a stop bit, thus permitting the interval between characters to vary.

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

Bits Per Second - The number of bits transmitted per second. A measure of the speed of transmission of digital information.

Digital - Information which is expressed in discrete or noncontinuous form.

Full Duplex - Type of communication that supports the transmission of signals in both directions simultaneously. This is not associated with simultaneous transmission of voice and data communications.

Half Duplex - Type of communication that supports transmission of signals alternately in both directions, but is not capable of simultaneous and independent transmission and reception. This is not associated with simultaneous transmission of voice and data communications.

Hunting - A search through a group of numbers until an idle station is found or the last number of the group is reached.

FILED
95-134
APR 1 1996

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FEB 27 1996

SWITCHED DATA SERVICEMISSOURI
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C. Definitions (Cont'd)

Synchronous - A method of transmitting data in which the data characters and bits are transmitted at a fixed rate with the transmitter and receiver synchronized, eliminating the need for individual start bits and stop bits.

D. Standard Features

1. Data Line Security - This feature prevents a call from being interrupted by override tones, such as a call waiting tone, or other test or busy verification tests that would interrupt the flow of data.
2. Intercom Dialing - This feature allows customer group stations to complete calls to other stations without the assistance of an attendant, by dialing a 2 through 7 digit number. This feature is applicable to Centrex customer groups only and is restricted to the serving wire center only.
3. Direct Dialing - This feature allows the user to place local and long distance calls without the assistance of an attendant by using the standard 7 through 10 digit dialing methods.

E. Optional Features

1. Data Direct Connect - This feature provides an automatic connection between a Switched Data calling line that goes off-hook and a predetermined location.
2. Data Closed User Group - This feature, restricted to Centrex Lines, provides partitioning of Switched Data lines into groups where calls within such a group are allowed, but calls between such groups are denied.
3. Voice Option - This feature allows simultaneous voice and data communications over a single Switched Data line. This feature is available where technical capabilities exist. This feature is not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension.

FILED
95 - 134
APR 1 1996

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FEB 27 1996

SWITCHED DATA SERVICEMISSOURI
Public Service Commission

f. Optional Feature Packages

The following feature packages are available for use with Switched Data Service, except where specified:

1. Feature Package Data 1000 includes:

- a. Data Individual Speed Call-Short List - The use of the Individual Speed Call-Short List is limited to an individual Switched Data line. A short list consists of a maximum of eight stored numbers. This feature is not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension.
- b. Data Call Forward (All/Busy/No Answer) - This feature allows a customer to have incoming calls to a Switched Data line automatically forwarded to a predetermined number. Data Call Forward consists of three variations as follows: all calls, busy and no answer. This feature is not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension.
- c. Data Last Number Redial - This feature enables a subscriber to redial the last called number by depressing a single key rather than the entire number. This feature is not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension.
- d. Data Toll Restriction - This feature will restrict toll calls from being placed over Switched Data lines.
- e. Data Sequential Hunt Group - This feature assigns a pilot telephone number to the hunt group. Hunting is sequential, i.e., starting at the first line assigned to the pilot telephone number and ending at the last line.

FILED
95-134
APR 1 1996

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Effective: April 1, 1996
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FEB 27 1996

SWITCHED DATA SERVICE

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Public Service Commission

F. Optional Feature Packages (Cont'd)

- 2. Feature Packaae Data 2000 - This package offers the customer a choice of combining any or all of the features contained in Feature Package Data 1000 plus:
 - a. Data Call Back - This feature allows a Switched Data user encountering a busy station to be notified when the busy station becomes idle and to automatically establish the call. This feature is available with Centrex intercom calling only. This feature is not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension.
 - b. Data Saved Number Redial - This feature allows a customer to dial a saved number by depressing a single key rather than the entire number. This feature is not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension.
 - c. Data Circular Hunting - This feature assigns a pilot telephone number to the hunt group. Hunting starts after the first idle line found by the previous hunt and continues until the hunting starting point is reached. This feature is not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension.
 - d. Data Group Speed Calling - This feature provides storage for an abbreviated numbers list which is shared for use by a group of data lines. The list may be updated by a service order or by a user designated as the controller. Only the controller can add to, change or delete numbers from the list. Other lines with access to this list are restricted. This feature is available to Centrex intercom calling only. This feature is not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension.
 - e. Data Individual Speed Call-Long List - The use of the Individual Speed Call-Long List is limited to an individual Switched Data line. A long list consists of maximum of thirty (30) stored numbers. This feature is not available with Switched Data Channel Access nor with Switched Data Individual Line Loop Extension.

FILED

95 - 134
APR 1 1996

Issued: March 1, 1996

Effective: April 1, 1996
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DIGITAL DATA AND NETWORK SERVICES

SWITCHED DATA SERVICE

G. Regulations

1. In addition to the following regulations, the appropriate regulations in other sections of this Tariff will also apply.
2. Switched Data Service is comprised of the following rate elements:
 - Switched Data Customer Line
 - Service Connection Charges
 - Optional Features
 - Software Reconfiguration Charge
 - Network Usage Charge
 - Customer Premises Channelization (Optional)
3. The minimum billing period for which service is provided is one month.
4. FCC Subscriber Line Charges as specified in the NECA Tariff, FCC No. 1, will apply to Switched Data Service.
5. For Presubscription of an Interexchange Carrier, the rates and regulations as set forth in Section 6. FCC No. 1 will apply to Switched Data Service.
6. HOLD FOR FUTURE USE (D)
7. Customer Premises Channelization, a component of Switched Data Service, may be provided by the customer or the Company. When the Company provides channelization equipment at a customer's premises, it is not necessary for the customer to provide a channel access card for the associated channels. The termination of this channelization will be in a single equipment location on a customer's premises. The customer must provide suitable floor space, controlled environment, and a source on a non-switched 120 volt, 60 Hz AC power to support this service. Emergency backup power and ring generating equipment capabilities are available for an extra charge on an individual case basis.
8. Switched Data Channel Access is required where:
 - a. Customers are restricted by the technical requirements as specified herein.

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FILED
95 - 134
APR 1 1996

Issued: March 1, 1996

Effective: April 1, 1996
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DIGITAL DATA AND NETWORK SERVICES

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SWITCHED DATA SERVICE

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G. REGULATIONS (Cont'd)

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8. (Cont'd)

b. A customer's local serving central office is not capable of providing Switched Data. The Company will determine the nearest central office capable of providing Switched Data. Interoffice digital high capacity mileage (1.544) will apply from the noncapable central office to the central office capable of providing Switched Data at the rates shown in Section 5 of the Facilities for Intrastate Access Tariff. In this situation, the customer will utilize the dialing plan associated with the central office that delivers the digital dial tone.

9. Switched Data Individual Line Loop Extension is required where:

a. Customers are restricted by technical requirements as specified herein.

b. A customer's local serving central office is not capable of providing Switched Data. The Company will determine the nearest designated central office capable of providing Switched Data Service. Interoffice digital data service (DDS) mileage will apply from the noncapable central office to the central office capable of providing Switched Data at the rates shown in Section 5 of the Facilities for Intrastate Access Tariff. In this situation, the dialing plan associated with the central office that will be providing the Switched Data service to the customer will be utilized.

10. Dialing Method

a. Access to Switched Data Service is obtained through a dial-up connection via the public switched telephone network using the standard 7 through 10 digit methods.

b. Origination of calls for 800, 900, 976, O- (intraLATA) and 0+ (intraLATA) is limited to voice calls only. These calls will be provided with the Voice Option feature of Switched Data Service when requested by the customer.

FILED
95-134
APR 1 1996

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DIGITAL DATA AND NETWORK SERVICES

FEB 27 1996

SWITCHED DATA SERVICE

MISSOURI
Public Service Commission

G. REGULATIONS (Cont'd)

11. Technical Requirements

- a. Switched Data requires the use of customer provided data equipment which must be compatible with the Company's equipment and facilities.
- b. Customers who choose to subscribe to the Single Line or Centrex/Digital Centrex Line arrangement are subject to the distance limitations listed below as a result of digital signal power loss which are technology dependent. Switched Data Service will be provided where local loops do not exceed the following limitations:
 - 1) on the DMS-100 central office switch: 42 dB loss at 80 kilohertz, equating to a range from approximately 12,000 feet to approximately 18,000 feet, depending on cable gauge and including customer wiring.
 - 2) on the GTD-5 central office switch: 26 dB loss at 80 kilohertz, equating to a range from approximately 8,000 feet to approximately 15,000 feet, depending on cable gauge and including customer wiring.
 - 3) on a non-ISDN equipped 5ESS central office switch: 42 db loss at 80 kilohertz, equating to a range from 12,000 feet to approximately 14,000 feet, depending on cable gauge and including customer wiring.

Where these conditions cannot be met, the customer must subscribe to Switched Data Individual Line Loop Extension or subscribe to Switched Data Channel Access for Switched Data Service.

FILED
95 - 134
APR 1 1996

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DIGITAL DATA AND NETWORK SERVICES

FEB 27 1996

SWITCHED DATA SERVICE

MISSOURI
Public Service Commission

H. APPLICATION OF RATES

1. Switched Data Centrex Line rates are determined by the total number of either Low Speed or either High Speed lines, (i.e., if a customer requests 55 Low Speed lines and 25 High Speed lines, all 55 Low Speed lines will be billed at the "50-100" rate and all 25 High Speed lines will be billed at the "2-49" rate).
2. Rates and charges specified in other sections of this Tariff for services provided in conjunction with Switched Data Service (i.e., Custom Call features, Centrex features etc.) are in addition to the monthly rates for Switched Data Service.
3. Customer Premises Channelization is an optional component of Switched Data Channel Access. The customer has the option to support premises channelization with CPE devices or to be made available by the Company. Channelization at the customer premises when provided by the Company is available at the rates specified in this section of the Tariff. Both the Customer Premises Termination per access (24 channels) and the Customer Premises Channelization per channel will apply.
4. Switched Data lines placed in a business group do not require Network Access Registers (NARS) for outbound data traffic. However, the customer may choose to purchase additional NARs to support all terminating traffic that may be increased by Switched Data.

FILED
95 - 134
APR 1 1996

Issued: March 1, 1996

Effective: April 1, 1996
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DIGITAL DATA AND NETWORK SERVICES

FEB 27 1996

SWITCHED DATA SERVICE

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1. RATES AND CHARGES

The following rates and charges are in addition to other rates and charges stated in this and other company tariffs.

| | <u>Monthly Rate</u> | <u>Nonrecurring Charge (1)</u> |
|---------------------------------------|-------------------------|------------------------------------|
| 1. Switched Data Access | | |
| a. Single Line (2) | -- | -- |
| b. Centrex Line (2) | -- | -- |
| c. Low Speed Access, per line (3) | -- | \$50.00 |
| Single Line Access | \$37.00(2) | -- |
| Centrex Line | | |
| 2-49 lines | 40.00(2) | -- |
| 50-100 line | 37.00(2) | -- |
| 101 and above lines | 34.00(2) | -- |
| d. High Speed Access, per line (3) | -- | 50.00 |
| Single Line Access | 47.00(2) | -- |
| Centrex Line | | |
| 2-49 lines | 50.00(2) | -- |
| 50-100 lines | 47.00(2) | -- |
| 101 and above lines | 44.00(2) | -- |

(1) In addition to applicable Service Charges.

(2) The FCC Subscriber Line Charge applies for each Switched Data Access Line.

(3) Local Loop Charge is included in the Switched Data Access Line Rate.

FILED
95-134
APR 1 1996

Issued: March 1, 1996

Effective: April 1, 1996

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DIGITAL DATA AND NETWORK SERVICES

FEB 27 1996

SWITCHED DATA SERVICE

MISSOURI
Public Service Commission

| 1. RATES AND CHARGES (Cont'd) | Monthly Rate | NRC(1) |
|---|-----------------|---------|
| 2. Switched Data Individual Line Loop Extension | | |
| a. Switched Data - Individual Line Loop Extension Access | | |
| 1) Single line (2) | -- | \$50.00 |
| | \$50.00 | -- |
| | -- | -- |
| 2) Centrex Line (2) | -- | 50.00 |
| | 50.00 | -- |
| 3) Interoffice Mileage | (5) | (5) |
| b. Switched Data Individual line Loop Extension Channel, per line | | |
| 1) Single Line | -- | 50.00 |
| | 12.00 | -- |
| 2) Centrex Line | -- | 50.00 |
| | 15.00 | -- |
| 3. Switched Data Channel Access | | |
| a. First system | | |
| (24 channels- DS1 facility)(2) | -- | (4) |
| | (4) | -- |
| b. Switched Data Channel Access | | |
| Each additional system | -- | (4) |
| (24 channels- DS1 facility)(2) | (4) | -- |

- (1) In addition to applicable Service Charges.
- (2) Two FCC Subscriber Line Charges apply for each Switched Data Channel -Access arrangement (each DS1 facility) and Switched Data Individual Line Loop Extension.
- (3) Refer to Facilities for Intrastate Access, PSC MO. NO. 2, for the High Capacity Digital DS1 Special Access Line rate and Special Transport rate (when applicable). The High Capacity Digital DS1 Special Transport Termination charge does not apply.
- (4) Refer to Facilities for Intrastate Access, PSC MO. NO. 2, for the Digital Data Service Special Transport rate when applicable.

FILED
95 - 134
APR 1 1996

Issued: March 1, 1996

Effective: April 1, 1996

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DIGITAL DATA AND NETWORK SERVICES

FEB 27 1996

SWITCHED DATA SERVICE

| 1. RATES AND CHARGES (Cont'd) | Monthly Rate | Nonrecurring Charge (1) | MISSOURI Service Commission |
|---|--------------|-------------------------|-----------------------------|
| 3. Switched Data Channel Access (Cont'd) | | | |
| c. Switched Data Channel Access Mileage, per mile (DS1 interoffice mileage) | (3) | -- | |
| d. Switched Data Central Office Termination, per access arrangement | \$150.00 | \$125.00 | |
| e. Switched Data Central Office Channelization Single Line, per channel activated(2) | 7.00 | -- | |
| f. Switched Data Central Office Channelization Multiline with DID/DOD, per channel activated(2) | 7.00 | -- | |
| g. Switched Data Central Office Channelization - Centrex Line, per channel activated(2) | 7.00 | -- | |
| h. Switched Data Customer Premises Termination, (optional) per access arrangement | 100.00 | 75.00 | |
| i. Switched Data Customer Premises Channelization, (optional) per channel activated | 25.00 | 20.00 | |

- (1) In addition to applicable Service Charges.
- (2) Two FCC Subscriber Line Charges apply for each Switched Data Channel Access arrangement (each DS1 facility).
- (3) Refer to Facilities for Intrastate Access, PSC MO. NO. 2, for the High Capacity Digital DS1 Special Access Line rate and Special Transport rate (when applicable). The High Capacity Digital DS1 Special Transport Termination charge does not apply.

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95-134
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Issued: March 1, 1996

Effective: April 1, 1996

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Seneca, Missouri

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DIGITAL DATA AND NETWORK SERVICES

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SWITCHED DATA SERVICE

| 1. RATES AND CHARGES (Cont'd) | <u>Monthly Rate</u> | <u>Nonrecurring Charge(1)</u> |
|--|-------------------------|-----------------------------------|
| 4. Optional Features | | |
| a. Data Direct Connect, per line | \$ 1.00 | (2) |
| b. Data Closed User Group, per line | 1.00 | (2) |
| c. Voice Option, per line | | |
| 1) Single Line | 8.00 | (2) |
| 2) Centrex | 5.00 | (2) |
| 5. Optional Feature Packages | | |
| a. Data 1000, per line | 3.00 | (2) |
| b. Data 1000, per line with toll restriction | 3.00 | (2) |
| c. Data 2000, per line | 5.00 | (2) |
| d. Data 2000, per line with toll restriction | 5.00 | (2) |
| 6. Software Reconfiguration Charge | | |
| <p>This charge is applicable for any software changes that are required to make changes to Optional Features (e.g., changing Speed Call Lists, Data Direct Connect destination, etc.) and Optional Feature Packages.</p> | | |
| Rate per occurrence | -- | \$ 12.75 |

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(1) In addition to applicable Service Charges.
(2) If ordered on subsequent activity, the appropriate Service Order Charge will apply.

FILED
95-134
APR 1 1996

Issued: March 1, 1996

Effective: April 1, 1996

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DIGITAL DATA AND NETWORK SERVICES

FEB 27 1996

SWITCHED DATA SERVICE

MISSOURI
Public Service Commission

1. RATES AND CHARGES (Cont'd)

7. Network Usage

- a. Switched Data Network Usage will be billed to the originating end of the Switched Data call which terminates within the local calling area only. For Switched Data calls terminating outside the local calling area the applicable toll charges will apply. Switched Data Network Usage Detail will be provided at the rate as set forth in this Tariff.

Usage Rate

1) Switched Data Network Usage

| | |
|---|--------|
| Local Call Setup, per call | \$.03 |
| Usage, per minute of use (all days, all hours) | .02 |

FILED
95 - 134
APR 1 1996

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