## PRI VATE LI NE SERVI CES TARI FF- SCHEDULE 9

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December 15, 2001

Leslie Buford-Tariff Administrator BY:

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#### ACCUNET T45 SERVICES-INTEROFFICE

#### 8. 1 Gener al

ACCUNET T45 Services provide for the transmission of 44.736 Mbps digital signals.

ACCUNET T45 Services use a framed DS3 signal format. When used to carry Multiplexed DS1 Channels, the signal carried within the framed DS3 format must contain Extended Superframe Formatted DS1 channels, to a maximum of 28.

#### 8. 1. 1 Description

ACCUNET T45 Services are configured by combining service components at designated AT&T central offices. The AT&T central offices may be within the same LATA or may be in different LATAs. ACCUNET T45 Inter Office Channels are furnished on a two-point basis only.

#### 8. 1. 2 Signals at the AT&T Central Office

All signals carried by local channels or other access and presented to the AT&T central offices must meet certain signal and format constraints. These constraints are described in the following Technical Publications (see Technical Publication Information, Page 29):

CB119 - Interconnection Specification for Digital Cross Connect s

PUB 43802 - Digital Multiplexes Requirements and Objectives

PUB 54014 - ACCUNET T45 Services Description and Interface Specifications

PUB54014, Addendum 2

PUB54016 - Requirements for Interfacing Digital Terminal Equipment to Services Employing the Extended Superframe Format.

#### 8. 1. 3 Regulations

In addition to the Regulations in Section 2 preceding, the following apply.

Availability of ACCUNET T45 Services - ACCUNET T45 Services are available from the designated AT&T central offices listed in Tariff F. C. C. No. 10. ACCUNET T45 Services may not be available in every PUBLIC SERVICE COMMISSION LATA. OF KENTUCKY **EFFECTIVE** 

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#### ACCUNET T45 SERVICES-INTEROFFICE

# 8.1 General (Cont'd)

# 8.1.3 Regulations (Cont'd)

B. Credit Allowances For Interruptions - For purposes of determining credit allowances in accordance with the regulations in 2.6 preceding, an ACCUNET T45 Service is considered to be interrupted when:

there has been a loss of continuity, or 300 or more seconds of transmission containing errors occur in a 15 minute period on a DS3 level.

8.1.4 Minimum Payment Period

The minimum payment period for all ACCUNET T45 Service components is one month.

8.1.5 Notice of Discontinuance

The Notice of Discontinuance for all ACCUNET T45 Service components is one month. Recurring charges will apply for a period of one month from the date AT&T receives the discontinuance notice or until the requested discontinuance date, whichever period is longer. These charges will apply during this period whether or not the Customer continues to use the service.

8.2 Service Components and Rates

The components of an ACCUNET T45 Service are Inter Office Channels, Office Connections and Office Functions.

8. 2. 1 Interoffice Channel

An ACCUNET T45 Interoffice Channel (ICC) is a channel between two AT&T central offices, points of connection, or a combination thereof, on AT&T's digital fiber optic network or on terrestrial digital facilities at the discretion of the Customer when fiber optic facilities are not available.

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The ICC monthly recurring charge comprises two elements. A fixed element applies per channel and a mileage element applies per airline mile of the ICC.

Monthly fixed and per mile charges are as spedIUGLGSFRVICEGOMMISSION OF KENTUCKY

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#### 8. ACCUNET T45 SERVICES-INTEROFFICE

8.2 Service Components and Rates (Cont'd)

#### 8, 2, 2 Office Connections

A Access Connection - An Access Connection provides the function, at an AT&T central office, of connecting Local Channels, other access, or an AT&T enhanced service to an IOC, office function, another Local Channel, other access, an AT&T enhanced service or an AT&T service as specified in G3.2, preceding. One access connection applies for each Local Channel, other access or AT&T enhanced service connected.

Refer to Price List.

B. Function Connection - A function connection provides the function, at an AT&T central office, of connecting an office function to an ICC, another office function, or an AT&T service as specified in 3.3, preceding, or of connecting an ICC to an AT&T service as specified in 3.3, preceding.

Refer to Price List.

#### 8.2.3 Office Functions

A. M28 Multiplexing - The M28 Multiplexing Office Function provides for the derivation/combination of up to 28 DS1 channels from into a 44.736 Mbps digital signal carried by an ACCUNET T45 ICC, a Terrestrial 45 Mbps Local Channel Service, or Other Access.

The M28 Multiplexing Office Function is used in conjunction with another M28 Multiplexing Office Function in the same or at another AT&T central office, or with compatible Customer-provided multiplexing equipment located at the Customer's premises. Customer-provided multiplexing used in conjunction with ACCUNET T45 Service must transmit a standard DS3 type formatted 44.736 Mbps signal as described in Technical Publication-PUB 43802 (see Technical Publication Information, page 29).

An ACCUNET T45 Office Connection is required to connect the 44.736 Mbps digital signal to this Office Function. In addition, ACCUNET T1.5 Office Connections are required to connect each DS1 channel to this office function.

Refer to Price List.

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#### 8. ACCUNET T45 SERVICES-INTEROFFICE

- 8.2 Service Components and Rates (Cont'd)
- 8.2.3 Office Functions (Cont'd)
- B. Network Protection Capability (NPC) This office function provides protection against failure for an Inter Office Channel (ICC). Protection is furnished through the use of a switching arrangement that automatically switches to a separately routed, terrestrial digital protection channel when the working channel fails. The protection channel and the switching arrangement are provided when NPC is ordered.

NPC is offered where facilities are available. If NPC for the entire facility is not available when ordered, or becomes unavailable due to network arrangements, NPC may, at the Customer's request, only be furnished on a partial basis. The Customer will be advised before partial NPC is provided and may cancel or discontinue the NPC if partial NPC is not acceptable. No cancellation charge will apply if the facilities are not available or the Customer does not accept the partial NPC.

Refer to Price List.

Access Protection Capability - This office function provides protection against failure of a Local Channel or other access. Protection is furnished through the use of a switching arrangement that automatically switches to a spare channel when the working channel fails, as described in Technical Publication-PUB 54014, Addendum 2 (see Technical Publication Information, Page 29). The spare channel is not included and must be ordered separately. This office function also requires compatible equipment to be provided by the Customer at its premises.

Refer to Price List.

C. Switch Port - This office function connects a DS3 channel to the ARDS Network. An office connection is required for each DS3 channel connected to a DS3 Switch Port and for the connection of the DS3 Switch Port to the ARDS network.

Refer to Price List.

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### 8. ACCUNET T45 SERVICES-INTEROFFICE

8.2 Service Components and Rates (Cont'd)

## 8.2.4 Channel Options

Channel options are features added to a channel to change or augment its transmission characteristics.

Enhanced Diversity Routing - Under this option, two or more ACCUNET T45 ICCs are furnished entirely over physically and electrically separated transmission paths, such that a failure at one geographic location will not cause the loss of both paths. The Enhanced Diversity Routing (EDR) is offered where separate facilities are available, subject to routing or performance constraints resulting from the diverse routing and made known to the Customer prior to ordering. If complete EDR is not available when ordered, or if it becomes unavailable at a later date due to network rearrangements, EDR may be furnished on a partial basis only at the Customer's request. The Customer will be advised before partial EDR is provided and may cancel or discontinue the EDR option if the partial EDR is not acceptable. No cancellation charge will apply if the facilities are not available or the Customer does not accept the partial EDR. When EDR is ordered, an installation charge and a monthly charge apply for each ICC in an ICC relationship pair on which EDR is provided, i.e., ICC No. 1 is diverse from I CC No. 2.

Example 1: The Customer has four IOCs and specifies that IOC No. 1 and IOC No. 2 be diversely routed. The relationship pair is 1 & 2. Two EDR monthly and installation charges apply, one for each IOC in the relationship pair. EDR charges will not apply to IOC Nos 3 and 4.

Example 2: The Customer has four ICCs and specifies that ICC Nos. 1 and 2 be diversely routed from ICC Nos. 3 and 4. The ICC relationship pairs are 1 & 3, 2 & 4, 1 & 4, 2 & 3. Eight EDR monthly and installation charges apply, one for each ICC in the relationship pair.

Example 3: The Customer has three ICCs and specifies that each of the ICCs be diversely routed. The ICC relationship pairs are 1 & 2, 1 & 3, 2 & 3. Six EDR monthly and installation charges apply, one for each ICC in the relationship pair.

Example 4: The Customer has two ICCs and specifies that ICC No. 1 be diversely routed from ICC No. 2. Central Office B is the only T45 POP in the LATA; Customer requests partial enhanced diversity routing. The ICC relationship pair is 1 & 2. Two EDR monthly and installation charges applies and Commission each ICC in the relationship pair.

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# PRIVATE LINE SERVICES TARIFF-SCHEDULE 9

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EFFECTIVE: June 26, 2003 FIRST REVISED PAGE 1

BY: Leslie Buford-Tariff Administrator CANCELS ORIGINAL PAGE 1

#### 9. ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

#### 9.1 General

ACCUNET Spectrum of Digital Services (ASDS) affords a customer the opportunity to select channels at various digital speeds for end-to-end communications arrangements when connected to access or appropriate office functions. ASDS offers point-to-point connections and multipoint connections between AT&T central offices which may be within the same LATA or located in different LATAs within the state. However, in all cases the total circuit must be InterLATA.

### 9.1.1 Description

ASDS is suitable for the transmission of digitally-encoded voice band signals or simultaneous two-way transmission of data at synchronous speeds of either 9.6, 56 or 64 Kbps, or a combination of 64 Kbps signals to achieve speeds of 128 Kbps, 256 Kbps, 384 Kbps, 512 Kbps or 768 Kbps. (See Technical Publication Information, Preface, Page 2.) ACC Business, a non-AT&T branded division, is introducing intrastate private line products. All terms and conditions, rates and charges are identical to the existing AT&T ACCUNET® Spectrum of Digital Service offered in this tariff.

9.1.2 Regulations

In addition to the regulations in Section 2, the following apply.

- A. Availability of ASDS ASDS is available from the AT&T central offices listed in Tariff F.C.C. No. 10. ASDS may not be available in every LATA or to all local exchange areas within a LATA and is dependent on the availability of suitable access.
- B. Credit Allowances for Interruptions for purposes of determining credit allowances, ASDS is considered to be inoperative when there has been a loss of continuity, or when 300 or more seconds of transmission errors occur in a 15-minute period.

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## ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

#### 9. 1 General (Cont'd)

#### 9. 1. 2 Regulations (Cont'd)

- Connection to Other Services When ASDS is connected to other services as indicated below, the design objective applies only to the ASDS.
- Local Channel Services or Other Access Voice Grade, 9.6 kbps Digital Data or 9.6 kbps with the Secondary Channel Option, 56/64 kbps, and 1.544 Mbps or other access, may be connected to ASDS at an AT&T central office. (See Section G18.) The availability of Local Channel Services to connect to ASDS is as follows:

Voice Grade - available at those ASDS central offices designated in AT&T Tariff F.C.C. No. 10 which also offer Voice Grade Services. These local channels are for connection only to 56/64 kbps ASDS.

- 9.6 kbps Digital Data available at ASDS central office which also offer DATAPHONE Digital Services.
- 56 kbps Digital Data available at ASDS central offices which also offer DATAPHONE Digital Services.

56/64 kbps -available at ASDS central offices on an individual case basi**s**.

1.54 Mbps -available at all ASDS central offices which also offer 1.544 Mbps Services

Because local channels at digital speeds above 56/64 kbps are not available, when ASDS is furnished at digital speeds above 56/64 kbps, only 1.544 Mbps local channels can be used for access and the connection must be made through M-24/M-28 Multiplexing office functions. When 1.544 access is used with ASDS, it must be in a framed DS1 format.

For each connection of a Local Channel Service or other access to ASDS, an access connection is required. (See Section G18.)

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### ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

- 9.1 General (Cont'd)
- 9. 1. 2 Regulations (Cont'd)
- Installation Charge Waiver D.

Installation charges will be waived for the Access Connection, Function Connection, D6 Inter Office Channel (ICC) Data Conditioning and the Local Channel and Access Coordination Function (provided in Section G13, following) for Customers who order new ACCUNET Spectrum of Digital Service (ASDS) with ICC, used in conjunction with Voice Grade Local Channel Service (VGLC), or ACCUNET Generic Digital Access Service (GDA). Installation charges for the Voice Grade Local Channel C and D Type Data Conditioning are included.

In order for a Customer to qualify for the waived installation charges when ordering a new Terrestrial 1.544 Mbps Local Channel Service, the Terrestrial 1.544 Local Channel Service must be connected through the M24 multiplexing office function to a minimum of one new ASDS ICC at speeds of 128 kbps and above or to a minimum of two new ASDS I OCs at speeds of between 56 kbps and 64 kbps and the ICCs must be ordered simultaneously with the new Terrestrial 1.544 Mbps Local Channel Service.

Excluded from the installation charge waiver are:

ICC or Local Channel signaling capability;

Replacement of existing service with a service of the same type and speed; and

Additions to and/or rearrangements to existing services Digital Data Local Channels.

A Customer who discontinues service prior to 12 full months will be billed for the waived charges.

However, a Customer may discontinue service without liability for waived charges to (1) replace a service with Regional Frame Relay Service as provided in Section G12, following, (2) replace a Voice Grade Local Channel Service with a digital service or (3) replace a digital service with a new digital service of a higher speed.

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# ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

#### 9. 1 General (Cont'd)

#### 9.1.3 M ni mum Payment Period

The minimum payment period for Interoffice ASDS components is 30 calendar days.

#### 9.1.4 Notice of Discontinuance

The Notice of Discontinuance for ASDS components is 15 calendar days. Recurring charges apply for a period of 15 calendar days from the date AT&T receives the discontinuance notice or until the requested discontinuance date, whichever is later. During this period, the charges will continue to apply whether or not the customer continues to use the service.

#### 9. 1. 5 Cancellation Charge

As specified in Section 2 preceding, a cancellation charge will apply, per component, for service orders canceled by the customer on or after the SID.

The Cancellation Charge Schedule for ASDS, is as specified in the Price List.

The applicable charge is based on the last scheduled critical date reached in the service order process. For example, for an order involving an IOC and two office connections (OC) which is canceled after the SID but prior to the DLRD, cancellation charges as listed under the column entitled "SID" apply for the ICC and each of the two office connections.

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## ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

- 9.2 Service Components and Rates
  - 9. 2. 1 Interoffice Channel (ICC)

ICCs are available between AT&T central offices.

- Interoffice Channel Rates are as specified in the Price List.
- B. Multiple Channel Pricing Discount - Multiple Channel Pricing (MCP) is available as a discount to conventional monthly rate plans for subrate 9.6 Kbps or DSO 56/64 Kbps Interoffice Channels. MCP provides a discount for two or more two-point ICC channels located between the same AT&T central offices, that have a digital office function obtained from this Tariff at each end, e.g., M-24 Multiplexing office function, transfer arrangements, Subrate Data Multiplexing, or Customer Controlled Reconfiguration.

The MCP Discounts are as specified in the Price List.

Charges and penalties associated with the conversion of existing intermediate bit rate (IBR) channels to individual 64 Kbps channels will be waived for up to 90 days following the effective date of the Multiple Channel Pricing Discount, for customers who request conversion for the purpose of obtaining this discount.

Calculation of Charges - To calculate the monthly recurring charge for an ICC, first determine the airline mileage between AT&T central offices (see Calculation of Airline Mleage Section, 4). appropriate ICC rate for the service ordered, multiply the total airline miles by the mileage rate. To this figure, add the fixed rate for the service. The sum of the mileage rate and the fixed rate is the total monthly charge for the ICC.

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BY: Leslie Buford-Tariff Administrator

# 9. ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

# 9.2 Service Components and Rates (Cont'd)

## 9.2.2 Office Connections

#### A Access Connection

An access connection provides the function, at an AT&T central office, of connecting Local Channels, other access, or an AT&T enhanced service to an ICC, office function, another Local Channel, or other access. One access connection applies for each Local Channel or other access connected.

Refer to Price List.

#### B. Function Connection

Refer to Price List.

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### ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

9. 2 Service Components and Rates (Cont'd)

#### 9.2.3 Channel Options

Channel options are features added to a channel to change or augment its transmission characteristics. The channel options available on ASDS are signaling, conditioning, customer requested echo control, and special routing.

Signaling Capability - Signaling is the process by which one location alerts another location on the same channel or network that it wishes to communicate. Signaling capability permits signals to be transmitted over a service but does not include the capability to initiate or receive those signals. (For services using Feature Group A or B Switched Access Channels, the interface with switching equipment is referred to as the open end and the interface with the station is referred as the closed end).

Additional information regarding interface codes and protocol codes can be found in Technical Publications - PUB 43202 and PUB 62210 (see Technical Publication Information, Preface).

The types of signaling arrangements available are as follows:

Loop Start Loop Signaling - Loop Start Loop Signaling is used for off-premises stations, trunk to station tie lines, and other services which use switching equipment at one end and other terminal equipment (e.g., in a handset) at the other end.

This signaling arrangement is designed to pass an open loop (idle condition) or closed loop (seized condition) from the station to the switching equipment. It will transmit dial pulse or multifrequency pulsing signals from the station to the switching equipment and dial tone and 20 Hertz ringing from the switching equipment to the station.

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## PRIVATE LINE SERVICES TARIFF-SCHEDULE 9

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#### ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

- 9.2 Service Components and Rates (Cont'd)
- 9. 2. 3 Channel Options (Cont'd)
  - A. Signaling Capability (Cont'd)
    - Ground Start Loop Signaling Ground Start Loop Signaling is used for services which use central office switching equipment on the open end and a PBX on the closed end to provide a PBX to central office trunk.

In the operation of this arrangement, the closed end provides a closed loop and momentary ground for the ring conductor as a seizure. The open end provides a ground on the tip and battery on the ring as a seizure. This arrangement will transmit dial tone and 20 Hertz ringing from the open end to the closed end, and will transmit dial pulses or multifrequency pulsing address signals from the closed end to the open end.

- E&M Signaling Interface The E&M Signaling Interface consists of two leads, the Elead and the M Lead. The Elead generally receives supervision and pulsing from the distant interface. lead generally transmits supervision and pulsing toward the distant interface. This signaling arrangement is used for registered or grandfathered switching equipment tie trunks.
- Two-Point Automatic Ringdown Signaling Arrangements Loop Closure Interface - In this signaling arrangement, the calling station activates 20 Hertz ringing by providing a tip to ring conductor short as an off-hook signal. The 20 Hertz ringing operates a bell or relay at the distant station. Loop closure interface is used for handset, key set, switchboard, and console terminations.
- Manual Signaling Arrangements for Two-Point or Multipoint Services 20 Hertz Interface - In this signaling arrangement, the calling station transmits 20 Hertz ringing activated by the operation of a key or a button. The 20 Hertz ringing activates a bell or relay at the distant station. In the multipoint application, all stations receive the ring from the calling location.

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## ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

- 9.2 Service Components and Rates (Cont'd)
- 9. 2. 3 Channel Options (Cont'd)
  - Signaling Capability (Cont'd) A.
    - Manual Signaling Arrangement with Code Selection for Multipoint Services - This signaling arrangement is similar to the Manual Signaling Arrangement for Two-Point Services except that the calling station can select a single distant station or group of stations by keying one of nine predetermined codes. Only the station or stations called will respond to the ringing current.
    - Loop Reverse Battery This signaling arrangement changes the signaling state when the battery and ground on the tip and ring are reversed. This arrangement is typically used on PBX and Centrex tie trunks.
    - Signal Range Extension Signal Range Extension is required when a private line service (arranged for loop start dial signaling) is used as an off-premises station. There are three types:

Type A is furnished for use with Class A PBX (or similar) station ports capable of operation over loops with resistance in the range of 0-199 ohms.

Type B is furnished for use with Class B PBX (or similar) station ports capable of operation over loops with resistance in the range of 200-899 ohms.

Type C is furnished for use with Class C PBX (or similar) station ports capable of operation over loops with resistance in the range of 900 ohms or more.

Refer to Price list.

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## ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

- 9.2 Service Components and Rates (Cont'd)
  - 9. 2. 3 Channel Options (Cont'd)
    - Conditioning Conditioning provides more specific transmission B. characteristics for ASDS connected to voice grade access or to appropriate office functions. For two-point services, the parameters apply to each service. For multipoint services, the parameters apply between any two directly connected AT&T central The conditioning parameters stated are based on the assumption that the access will meet the conditioning parameters set forth in LEC access service tariffs. The following types of conditioning apply to end-to-end services using voice grade access.
      - Data Conditioning There are two types of data conditioning: Type and D-Type conditioning. C-Type conditioning controls attenuation distortion and envelope delay distortion; D-Type conditioning controls the signal to C-notched noise ratio and intermodulation distortion and for D-6 conditioning, also controls phase jitter, attenuation distortion, and envelope delay distortion. C-Type and D-Type conditioning may be combined on the same channel.
        - a. C-Type Conditioning This conditioning is for the additional control of attenuation distortion and envelope delay distortion. The parameters for C-Type conditioning are described in Technical Publication - PUB 43202, see Preface. Only one kind of C-Type conditioning may be applied to an ASDS channel.

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## ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

- 9. 2 Service Components and Rates (Cont'd)
- 9.2.3 Channel Options (Cont'd)
  - B. Conditioning (Cont'd)
  - 1. Data Conditioning (Cont'd)
    - a. C-Type Conditioning (Cont'd)
      - (1)C-1 conditioning for two-point channels not arranged for switching.

Refer to Price list.

C-1 conditioning for multipoint channels not arranged for switching.

Refer to Price List.

C-1 conditioning for two-point channels arranged for switching to an AT&T Central Office.

Refer to Price List.

(2)C-2 conditioning for two-point channels not arranged for switching.

Refer to Price List.

(a) C-2 conditioning for multipoint channels not arranged for switching.

Refer to Price List.

(b) C-2 conditioning for two-point channels arranged for switching to an AT&T Central Office.

Refer to Price List.

(c) C-2 conditioning for multipoint channels arranged for switching.

Refer to Price List.

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# ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

- 9.2 Service Components and Rates (Cont'd)
- 9.2.3 Channel Options (Cont'd)
- B. Conditioning (Cont'd)
  - Data Conditioning (Cont'd)
    - a. C-Type Conditioning (Cont'd)
      - C-3 conditioning for switched network interoffice access lines.

Refer to Price List.

C-3 for switched network trunks.

Refer to Price List.

C-4 conditioning - C4 conditioning is for two-point channels or multipoint channels serving not more than four customer premises.

In the multipoint application, all transmission is from a master customer premises to each of 2 or 3 remote customer premises. Transmission is not possible between the remote customer premises.

C-4 conditioning for two-point channels.

Refer to Price List.

C-4 conditioning for multi-point channels. (b)

Refer to Price List.

(5)C-5 conditioning is available for two-point channels.

Refer to Price List.

C-7 conditioning is available for two-point channels.

Refer to Price List.

C-8 conditioning is available for two-point channels. (7)

Refer to Price List.

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### ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

- 9.2 Service Components and Rates (Cont'd)
  - 9.2.3 Channel Options (Cont'd)
    - B. Conditioning (Cont'd)
    - Data Conditioning (Cont'd)
      - b. D-Type Conditioning This conditioning is for the control of signal to C-notched noise ratio and intermodulation distortion. In addition, D-6 Conditioning controls phase jitter, attenuation distortion, and envelope delay distortion. The signal to Cnot ched noise ratio, intermodulation distortion, phase jitter, attenuation, distortion, and envelope delay distortion, parameters for D-Type conditioning are found in Technical Publications-PUB 43202 (see Technical Publication Information, Preface).

When a service equipped with D-Type conditioning is used for voice communications, the quality of the voice transmission may not be satisfactory.

When D-Type conditioning is installed subsequent to the start of the service to which it is applied, a charge equal to the installation charge of the service itself will apply in addition to the installation charge for the D-conditioning.

D-1 conditioning for services not arranged for switching and for services arranged for through switching.

Refer to Price List.

D-2 conditioning for a two-point channel arranged for (2)switching of an AT&T central office.

Refer to Price List.

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#### ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

- 9.2 Service Components and Rates (Cont'd)
  - 9.2.3 Channel Options (Cont'd)
    - В. Conditioning (Cont'd)
    - Data Conditioning (Cont'd)
      - b. D-Type Conditioning (Cont'd)
        - D-5 conditioning for polled multipoint data services not (3)arranged for switching. Services using D-5 conditioning may have a maximum of 20 polled locations. An alternate master location can be operated provided the master and alternate master locations are located in the same LATA, are connected to the same AT&T central office, and do not operate simultaneously. The parameters apply between the master location and each polled location and between the alternate mater location and each polled location. Alternate voice use cannot be provided.

Refer to Price List.

D-6 conditioning for two-point services not arranged for (4)switching Local channels or other access connected to an ICC equipped for D-6 conditioning must meet the parameters stated for C-1 and D-1 conditioning.

Refer to Price List.

Tone Control Conditioning - Tone control conditioning adapts a service for operation and tone signal control. Tone control conditioning and Service Type 3 parameters are required for remote control services for radiotelephone. Tone control conditioning and Service Type 5 parameters are required for remote metering services when those services are used for tone signal control.

Refer to Price List.

Customer Requested Echo Control - Echo control provides a customer with the capability to minimize echo effects on ASDS with extensive channel mileages and voice grade access. Echo control will be furnished as required on ICCs. When a customer requests echo control on an LCC whose parameters do not require it to be equipped with echo control, it will be provided at the following charges.

A customer may also request that echo control not be purpovisited commission ICC which normally would be equipped with echo control to operations design objectives. No credit will be given for echo contraternotive provided.

Refer to Price List.

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# ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

- 9.2 Service Components and Rates (Cont'd)
- 9, 2, 3 Channel Options (Cont'd)
- Ē. Special Routing of an ASDS - An ASDS is normally furnished using a channel selected by AT&T. However, special routing options are available for ASDS, excluding 9.6 kbps ICCs, when the required service components are available. These special routing options have associated charges in addition to other applicable charges. complete Special Routing is not available when ordered, or if it becomes unavailable at a later date due to network rearrangements, Special Routing may only be furnished on a partial basis. customer will be advised before partial Special Routing is provided and may cancel the order or discontinue the special routing if the partial Special Routing is not acceptable. No cancellation charge will apply in such cases. The customer options for special routing ar e:

Diversity Cust om Diversity Avoi dance Diversity & Avoidance

Special Routing is furnished subject to the availability of channel components.

Diversity - Two or more channels are furnished partially or entirely over not more than two physically separated routes, subject to availability of facilities. Diversity is furnished for any portion of the channel components or all channel components. If there are more than two services, the services are divided into two groups and furnished partially or entirely over two physically separated routes.

Refer to Price List.

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## ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

- 9.2 Service Components and Rates (Cont'd)
- 9.2.3 Channel Options (Cont'd)
  - D. Special Routing of an ASDS (Cont'd)
    - Custom Diversity Three or more ICCs are furnished partially or entirely over not more than three physically separate routes, where separate facilities are available. The designated circuits may originate and/or terminate at the same AT&T central offices. If there are more than three circuits, all of which originate and terminate at the same AT&T central offices, the circuits are divided into three groups prior to application of the Custom Diversity option.

Refer to Price List.

Avoidance - A service is furnished over a channel that avoids a specified geographic location. This option is only available on 56/64 kbps channels.

Refer to Price List.

4. Diversity and Avoidance - A combination of Diversity and Avoidance. This option is only available on 56/64 kbps channels.

Refer to Price list.

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## ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

Service Components and Rates (Cont'd)

#### Office Functions 9. 2. 4

Transfer Arrangements - Transfer arrangements permit a customer to A. transfer one channel to another or one service to another. They also enable a service to be used for alternate purposes, nonsimultaneously, e.g., for voice or data transmission. Arrangements are restricted to ASDS applications utilizing Analog Voice Grade Private Line access or an analog signal which has been coded and multiplexed within a digital signal connected to the ACCUNET M-24 office function.

Transfer arrangements are provided at AT&T central offices. They may be key-activated or controlled by the 1 X N Control Arrangement. Key-activated arrangements require a key and an control channel. The control channel and keys are provided by the customer.

Private Line Service Transfer Arrangement - This arrangement enables the customer to interconnect two private line services in two different modes of operation non-simultaneously. private line services must share a common transfer arrangement and must be compatible operationally. The services may be two-point or multipoint. This arrangement may be used to connect more than two services in tandem, but AT&T will not support a tandem connection of services using more than three transfer arrangements and four or more services.

In a typical application, the ICCs of two private line services are connected, creating one private line service or, alternately, the two services function independently. Local Channels or other access connected to the ICC(s) may remain connected or be disconnected at the customer's option. One control channel is required for a key-activated arrangement.

Refer to Price List.

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## ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

- 9.2 Service Components and Rates (Cont'd)
  - 9.2.4 Office Functions (Cont'd)
  - Α. Transfer Arrangements (Cont'd)
  - 2. Analog Local Channel or Other Access Transfer Arrangements
    - a. Transfer Arrangement with Alternate Disconnect This arrangement permits the customer to connect two Analog Voice Grade Local Channels or other analog access to one ICC in two different modes of operation non-simultaneously. All channels must share a common transfer arrangement.

In each mode of operation, one of the two Analog Voice Grade Local Channels or other analog access is connected and the other is disconnected. Variations of this arrangement are described following. One control channel is required for a key-activated arrangement.

Refer to Price List.

b. Transfer Arrangement Without Alternate Disconnect - This arrangement operates in the same way as in a. preceding except that the alternate Analog Voice Grade Local Channel or other analog access does not disconnect. One control channel is required for a key-activated arrangement.

Refer to Price List.

c. Transfer Arrangement with Alternate Disconnect and Busytone -This arrangement is the same as a preceding but with a busytone indication for the disconnected Analog Voice Grade Local Channel or other analog access. One control channel is required for a key-activated arrangement.

Refer to Price List.

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#### ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

- 9.2 Service Components and Rates (Cont'd)
  - 9.2.4 Office Functions (Cont'd)
    - Transfer Arrangements (Cont'd) A.
    - 2. Analog Local Channel or Other Access Transfer Arrangements (Cont'd)
      - d. Transfer Arrangement with Alternate Disconnect and Intercept -This arrangement is the same as a. preceding, but with the intercept for the disconnected channel. One control channel is required for each arrangement. This arrangement is primarily used for alternate private line/foreign exchange service. In such application, two arrangements are used, one at each end of One control channel is required for a key-activated arrangement.

Refer to Price List.

e. Exclusion Arrangement - This arrangement permits the customer to disconnect and reconnect one or more Interoffice Channels, Analog Voice Grade Local Channels, or other analog access from a private line service. One control channel is required for a key activated arrangement.

Refer to Price List.

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# ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

- 9.2 Service Components and Rates (Cont'd)
- 9.2.4 Office Functions (Cont'd)
- A. Transfer Arrangements (Cont'd)
- 3. 1 X N Channel Switch - This arrangement permits one or more Interoffice Channels, Analog Voice Grade Local Channels, or other analog access (primary channels) to be switched to one or more Interoffice Channels, Analog Voice Grade Local Channels, or other analog access (standby channels).

This transfer arrangement consists of one or more basic assembly units, known as nests, each of which accommodates up to 20 channel cards. Each channel card performs the switching function for one primary channel.

A separately obtained control arrangement(s) is required to control the channel cards. (See Section 12.2.2.) The customer of the separately obtained control arrangement is responsible for operation of the 1 X N Channel Switch.

Multiple primary channels, belonging to one or more customers, may be arranged for switching to a common standby channel. In this case, AT&T assumes no liability for damages or for credit allowances for interruption if the standby channel is not available for one customer while activated for another.

Refer to Price List.

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ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

- 9. 2 Service Components and Rates (Cont'd)
  - 9. 2. 4 Office Functions (Cont'd)
  - ASDS Switch Port This office function provides electronic cross connection of DSO Channels to provide Customer Controlled Reconfiguration as follows:

When the customer uses DS1 access to an ASDS Central Office to connect to ASDS, Customer Controlled Reconfiguration of a DS1 Switch Port is required.

Customer Controlled Reconfiguration - Customer Controlled Reconfiguration permits the customer to electronically rearrange DSO channels between all of a customer's ASDS channels terminating in the same AT&T central office. Customer Controlled Reconfiguration requires one ASDS Switch Port for each of the office connections. In addition, Customer Controlled Reconfiguration requires customer-provided terminal equipment and private line service or a dial-up service to send the customers instructions to the network control center. If the customer elects to use dial-up services to access the network control center, an AT&T 800 Service or its equivalent is required to provide secure dial-back capability. The network control center then automatically provides the customer with switching control and status reports.

An office connection is required for each ASDS channel connected to an ASDS Switch Port.

2. Rat es

ASDS Switch Port charges are as specified in the Price List.

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#### ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

- 9.2 Service Components and Rates (Cont'd)
- 9. 2. 4 Office Functions (Cont'd)
- Subrate Data Multiplexing (SDM) The SDM office function permits C. the derivation of up to five 9.6 Kbps digital channels from a 56/64 Kbps ICC, from a 56 Kbps Digital Data Local Channel equipped with the Secondary Channel Option, other access, or from a channel derived from an M-24 Multiplexing Office Function.

Customer-provided multiplexing equipment and access used in conjunction with an SDM office function must transmit a DS-O signal formatted as described in Technical Publication 54075 (see Technical Publication Information, Preface).

SDM derives up to 5 subrate digital data channels at a maximum rate of 9.6 Kbps on any channel.

One access connection is required for each digital local channel connected this office function.

Refer to Price List.

Analog/Digital Multipoint Charge - An analog/digital multipoint charge applies to ACCUNET Spectrum of Digital Services consisting of three or more analog/digital customer premises. The charge applies for each analog/digital customer premises on a two-point or multipoint voice grade local channel service for which the Access Coordination Function (ACF) is provided by AT&T. The monthly charge is in addition to the ACF charge.

Refer to Price List.

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#### PRIVATE LINE SERVICES TARIFF-SCHEDULE 9

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BY: Leslie Buford-Tariff Administrator CANCELS ORIGINAL PAGE 1

#### 10. DATAPHONE DIGITAL SERVICES-INTEROFFICE\*

#### 10.1 General

A DATAPHONE Digital Service is suitable for the simultaneous two-way transmission of data at synchronous speeds of 9.6 Kbps or 56 Kbps.

### 10.1.1 Description

DATAPHONE Digital Services are configured by combining components to connect two or more AT&T central offices. AT&T central offices may be within the same LATA or may be located in different LATAs. DATAPHONE Digital Services may be two-point or multipoint. ACC Business, a non-AT&T branded division, is introducing intrastate private line products. All terms and conditions, rates and charges are identical to the existing AT&T DATAPHONE Digital Service offered in this tariff.

10.1.2 Regulations

In addition to the regulations in Section 2, preceding, the following apply.

- A. Availability of a DATAPHONE Digital Service DATAPHONE Digital Services are available from the AT&T central offices listed in Tariff FCC No. 10. DATAPHONE Digital Services may not be available in every LATA or to all wire center areas within a LATA.
- B. Credit Allowances for Interruptions For purposes of determining credit allowances, in accordance with the regulations in 2.6 preceding, a DATAPHONE Digital Service is considered to be inoperative when:

There has been a loss of continuity, or

The error performance is below the design objective of 99.5% errorfree seconds, measured over a continuous 24-hour period.

- C. Connection to other Services When a DATAPHONE Digital Service is connected to other services as indicated in the following, the design objective applies only to the DATAPHONE Digital Service.
  - 1. Voice Grade Services A Voice Grade Service used for the transmission of analog data at 9.6 Kbps may be connected to a DATAPHONE Digital Service through a Voice Grade Analog/Digital Converter (see Voice Grade Analog/Digital Converter, Section 12.2.1). The appropriate office connections are also required.

\* DATAPHONE Digital Services may no longer be ordered for new Customers or for additional orders received from existing Customers after February 15, 2001. DATAPHONE Digital Services in place or on order before February 15, 2001 will remain in effect until discontinued or canceled by the customer.

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#### DATAPHONE DIGITAL SERVICES-INTEROFFICE\*

#### 10.1 General (Cont'd)

#### 10. 1. 3 Minimum Payment Period

The minimum payment period for DATAPHONE Digital Service components is one month.

#### 10. 1. 4 Notice of Discontinuance

The Notice of Discontinuance for all DATAPHONE Digital Service components is 15 calendar days. Recurring charges apply for a period of 15 calendar days from the date AT&T receives the discontinuance notice or until the requested discontinuance date, whichever is later. During this period, the charges will continue to apply whether or not the customer continues to use the service.

#### 10. 1. 5 Cancellation Charge

As specified in Section 2.5.8. preceding, a cancellation charge will apply, per component, for service orders canceled by the customer on or after the SID.

Cancellation Charge Schedules for DDS, is as specified in the Price List.

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<sup>\*</sup> DATAPHONE Digital Services may no longer be ordered for new Customers or for additional orders received from existing Customers after February 15, 2001. DATAPHONE Digital Services in place or on order before February 15, 2001 will remain in effect until discontinued or canceled by the Customer.

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#### DATAPHONE DI GITAL SERVI CES-INTEROFFI CE\*

- 10.2 Service Components and Rates (Cont'd)
- 10. 2. 1 Interoffice Channel (Cont'd)
  - Calculation of Charges To calculate the monthly recurring charge for an LCC, first determine the airline mileage (see Calculation of Airline Mleage, Section G4.1.2.). Using the appropriate ICC rate which corresponds to the transmission speed of the service, multiply the total calculated airline miles by the mileage rate shown for that airline mileage. To this figure add the fixed rate shown for that airline mileage band. The sum of the mileage rate and the fixed rate is the total monthly charge for the ICC.
- 10. 2. 2 Office Connections
- Access Connection An access connection provides the function, at an AT&T central office, of connecting Local Channels, other access, or an AT&T enhanced service to an IOC, office function, another Local Channel, other access, or an AT&T enhanced service. One access connection applies for each Local Channel, other access, or AT&T enhanced service connected.

Refer to Price List.

Function Connection - A function connection provides the function, at an AT&T central office, of connecting an office function to an I ∞ or another office function.

Refer to Price List.

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\* DATAPHONE Digital Services may no longer be ordered for new Customers or for additional orders received from existing Customers after February 15, DATAPHONE Digital Services in place or on order before February 15, 2001 will remain in effect until discontinued or canceled by the Customer.

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# DATAPHONE DIGITAL SERVICES-INTEROFFICE\*

10.2 Service Components and Rates (Cont'd)

#### 10, 2, 3 Channel Options

Channel options are features added to a service to change or augment its transmission characteristics.

- Special Routing of a DATAPHONE Digital Service A DATAPHONE Digital Service is normally furnished using a channel selected by AT&T. However, special routing options are available where the required service components are available. If complete special routing is not available when ordered, or if it becomes unavailable at a later date due to network rearrangements, special routing may only be furnished on a partial basis. The customer will be advised before partial special routing is provided and may cancel or discontinue the special routing if the partial special routing is not acceptable. No cancellation charge will apply in such case. Diversity is the only special routing option for DATAPHONE Digital Services. It is available only for 56 Kbps services.
  - Diversity Two or more DATAPHONE Digital Services are furnished partially or entirely over not more than two physically separated routes, subject to availability of facilities. Diversity is furnished for any portion of the channel components or all channel components. If there are more than two services, the services are divided into two groups and furnished partially or entirely over two separate digroups. Where possible, diversity will be furnished partially or entirely over separate transmission paths.
    - a. Diversity charges will be developed and filed on an individual case basis.
- B. Digital Multipoint Charge

A Digital Multipoint Charge applies to DATAPHONE Digital Services consisting of three or more customer premises. The charge applies for each customer premises on a local channel service for which the Access Coordination Function (ACF) is provided by AT&T. The monthly charge is in addition to the ACF charge.

Refer to Price List.

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\* DATAPHONE Digital Services may no longer be ordered from Sient Qustomers or \* DATAPHONE Digital Services may no rongo. 25 stores atterary 15 for additional orders received from existing Customers atterary 15, some or on order before February 15, 2001. DATAPHONE Digital Services in place or on order before February 2001 will remain in effect until discontinued or canceled by the Customer.

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## 11. SONET SERVICES-INTEROFFICE

#### 11.1 General

The AT&T Private Line Interoffice Channel SONET Services provide for the transmission of various digital signals.

# 11. 1. 1. Description -

These AT&T Private Line Interoffice Channel SCNET Services are configured by combining service components at designated AT&T Central Offices. The AT&T Central Offices may be within the same LATA or may be in different LATAs. AT&T Private Line SCNET Interoffice Channels are furnished on a two-point basis only.

# 11.1.2. Signals at the AT&T Central Office -

All signals carried by local channels or other access and presented to the AT&T central offices must meet certain signal and format constraints. These constraints are described in the following Technical Publications

TR 54018 - Optical Interface Specifications

TR-NWT-000253 - Synchronous Optical Network Transport Systems (Bellcore)

TR 54077 - CC-12 Optical Interface Specifications

GR-253-CORE - Synchronous Optical Network Transport Systems (Bellcore)

# 11.1.3. Regulations -

In addition to the Regulations in Section 2., preceding, the following apply:

- A Availability These Services are available from the designated AT&T central offices listed in AT&T's Service Quides and may not be available in every LATA.
- B. Credit Allowances for Interruptions For purposes of determining credit allowances in accordance with the regulations in 2.6., preceding, a Service is considered to be interrupted when:
  - there has been a loss of continuity, or
  - 300 or more seconds of transmission containing errors occur in a 15-minute period on an CC3 level, or
  - there are more than 60 in a 15 minute period on an  $\infty$ 12 level.
- C. Connection to Other Services -

PUBLIC SERVICE COMMISSION Of her access at various speeds may be connected to an AT&TKDETICHAL Office.

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#### 11. SONET SERVICE- INTEROFFICE

## 11.1.4. Notice of Discontinuance -

The Notice of Discontinuance for all AT&T Private Line SONET Service components is one month. Recurring charges will apply for a period of one month from the date AT&T receives the discontinuance notice or until the requested discontinuance date, whichever period is longer. These charges will apply during this period whether or not the Customer continues to use the service.

# 11. 1. 5. Minimum Payment Period

The minimum payment period for a Local Channel Service or Access Coordination Function used for AT&T Private Line SONET Service shall be 12 months.

## 11.1.6. Cancellation Charge -

As specified in Section 2.5.7. preceding, a cancellation charge will apply, per component, for service orders canceled by the Customer on or after the SID.

Cancellation Charge Schedules for Interoffice Channel (ICC) and Office Connection (CC) are as specified in the Price List. -

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#### SONET SERVICE- INTEROFFICE 11.

#### 11. 2. Service Components and Rates -

The components of AT&T Private Line SONET Service are Interoffice Channels and Office Connections.

#### Interoffice Channel -11. 2. 1.

An Interoffice Channel is a channel between two AT&T central offices, points of connection, or a combination thereof, on AT&T's digital fiber optic network.

- Interoffice Channel rates are as specified in the Price List.
- Termination Charge A termination charge will apply if the customer terminates service prior to the end of the term specified.

#### 11. 2. 2. Office Connections -

#### Access Connection-

An Access Connection provides the function, at an AT&T central office, of connecting ACCU-Ring Network Access Service or other access to an ICC. One access connection applies for each other access connected.

Refer to Price List.

Installation charges do not apply when the access connection is ordered for installation at the same time as an AT&T Private Line SONET Service. The AT&T Private Line SONET Service IOC must remain in service for at least 12 months. If the LCC is disconnected prior to the 12 months, the customer is liable for a termination charge equal to the installation charge for the access connection.

#### B. Function Connection

A function connection provides the function, at an AT&T central office, of connecting an office function to an ICC, another office function, an AT&T service, or of connecting an ICC to an AT&T service as specified in 3.4.2 (General Description Section), preceding.

Refer to Price List.

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## 11. SONET SERVICE- INTEROFFICE

11.2. Service Components and Rates (Cont'd) -

11.2.3. Office Functions

SONET Multiplexing

The SCNET multiplexing office function provides for the transmission of multiple digital signals configured in either a office multiplexing, hubbing, linear add/drop configuration or ring configuration, for which the Customer has designated the configuration.

Refer to Price List.

Channel Activation Option -

This permits the Customer to designate various AT&T Private Line SCNET Service channels terminating in the interconnection of multiplexing office functions. An additional charge will apply, per termination, for three or more SCNET Service terminations.

In addition, a non-recurring reconfiguration charge applies per each change to an activated channel.

Refer to Price List.

(These rates are billed in 15 minute increments.)

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# M SCELLANEOUS EQUI PMENT AND ARRANGEMENTS

#### 12. 1 General

This section contains miscellaneous functions and arrangements that are provided for use with private line services offered under this tariff.

#### 12, 1, 1 Regulations

In addition to the regulations in Section 2, preceding, the following applies.

M ni mum Payment Period - Unless otherwise specified for an individual case, miscellaneous functions and arrangements are furnished for the same minimum payment period as that specified for the associated private line service.

#### 12. 2 Interoffice Services

Multiservice Office Functions

12. 2. 1 Voice Grade Analog/Digital Converter

> An Analog/Digital Converter provides the conversion of analog and digital signals. The Voice Grade Analog/Digital Converter connects a DATAPHONE Digital Service to a Voice Grade Service for transmission at speeds of \*2.4 Kbps, \*4.8 Kbps or 9.6 Kbps. The DATAPHONE Digital Service and the Voice Grade Service must be operating at the same speed.

- When a DATAPHONE Digital Service is connected to a Voice Grade Service, office connections will be required as follows:
- Connections in the Same AT&T Central Office When the AT&T central offices of the DATAPHONE Digital Service and the Voice Grade Service are the same, an office connection for each service is required to connect the respective ICOs to the Analog/Digital Converter.
- Connections in Different AT&T Central Offices When the central offices of the DATAPHONE Digital Service and the Voice Grade Service are different but in the same LATA, the following components are required:

A Voice Grade ICC between the two AT&T central offices; and

An office connection to connect each respective service to the COMMISSION Analog/Digital Converter. OF KENTUCKY EFFECTIVE

B. Rat es

> Voice Grade Analog/Digital Converter charges are as specified in 15 2001 the Price List.

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<sup>\*</sup>Speeds 2.4 and 4.8 are grandfathered effective January 2, 1993.

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## M SCELLANEOUS EQUI PMENT AND ARRANGEMENTS

12. 2 Interoffice Services Multiservice Office Functions (Cont'd)

#### 12. 2. 2 1 X N Control Arrangement

This arrangement enables the customer to control up to 48 switching or transfer functions (e.g., switching or arrangements to connect Telegraph Grade and Voice Grade Services), at an AT&T central office via a remote keyboard terminal capable of either 300 or 1200 bps operation.

The Control Arrangement must be located in the same AT&T central office as the switching or transfer functions which it controls.

Access to the 1 X N Control Arrangement requires an appropriate channel.

Refer to Price List.

- 12.3 M scellaneous Equipment and Arrangements for use with Voice Grade Local Channel Services
- 12. 3. 1 \*Automatic Voice Connecting Arrangements

These arrangements provide compatibility between customer equipment and a Voice Grade Local Channel Service. The provision of connecting arrangements is limited to those already in service to connect grandfathered customer equipment. New arrangements are offered subject to availability from the LEC.

This arrangement connects a local channel to a customer-provided multiline terminating system arranged for dial or automatic signaling. The local channel must terminate at the distant end as a trunk in the switching equipment arranged for dial or automatic signaling. This connecting arrangement provides network control signaling functions.

Refer to Price List.

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<sup>\*</sup>Automatic Voice Connecting Arrangements are grandfathered effective January 2, 1993.

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#### 12. M SCELLANEOUS EQUI PMENT AND ARRANGEMENTS

#### 12.4 Standard Jacks

Registration Program for use with Local Channel Services -Standard jacks are services subject to the Registration Program These jacks are contained in Part 68 of the FCC's Rules and Regulations or the document on file with the FCC entitled "Descriptions of Standard Registration Program Connection Configurations Supplementing Configurations Described in Subpart F of Part 68 of the FCC's Rules and Regulations."

These arrangements are used to terminate local channel services provided by AT&T. Other services provided by AT&T or services provided by others may also be terminated in any spare capacity of a jack that remains after its installation. No additional charge applies for the use of such capacity.

#### 12.4.1 Standard Voice Jacks

The Standard Voice Jacks (USOC) and their typical usages are described in the Price List.

#### 12.4.2 Standard Data Jacks

Universal Data Jack for use in connecting fixed loss loop and programmed types of data equipment (1 line capacity).

Refer to Price list.

Programmed Data Jack for use in connecting programmed data equipment. (1 line capacity)

Refer to Price List.

Multiple Line Universal Data Jack for use in connecting fixed loss loop and programmed types of data equipment. This jack will terminate up to eight lines. The selection of this jack requires the use of the equipment listed in 1. and 2. below.

Refer to Price List.

Multiple Line Universal Data Jack Local Channel Cards. For use with RJ26X (see C. above). One card per local channel required.

Refer to Price List.

Multiple Line Universal Data Jack Mounting options. the RJ26X (see C. above). One required per RJ26X.

For use with

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Refer to Price List.

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#### ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

#### 13.1 General

This section contains the rates and regulations for additional administrative and operational functions that are available in connection with the installation, operation and maintenance of a private line service. The additional functions will be provided only when specifically ordered or requested by a customer.

All of the additional administrative and operational functions are subject to the availability of personnel and equipment. In furnishing these functions, AT&T does not assume any additional responsibility for the through transmission of signals beyond that set forth in 2 preceding.

#### 13, 2 Testing Functions

At the customer's request, AT&T will review test results and participate with the customer in a design review, technical analysis, or testing.

#### Review of Other Access Test Results 13. 2. 1

At the customer's request, AT&T will review the results of tests of customer-provided access which is connected to a private line service. (The customer must arrange for those results to be furnished to AT&T.) Where appropriate, AT&T will recommend additional tests to be performed on the customerprovided access.

Review of test results will only be provided when the customer agrees, in advance, to pay the charges for the review.

A. The rates for Review of Other Access Test Results are as specified in the Price List.

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ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

- 13.2 Testing Functions (Cont'd)
- Special Participative Design Review, Technical Analysis and 13, 2, 2 Testina

At the customer's request, AT&T will participate with the customer in special participative design review, technical analysis, and testing.

Design review, technical analysis, and testing of an assembly consisting of an interoffice private line service and a customerprovided access or channels obtained through the use of channel derivation equipment.

Refer to Price List.

Customer Directed Participative Testing 13. 2. 3

> At the customer's request, AT&T will participate in the testing of an assembly, when tests are directed by the customer.

- Charges for testing activity performed within a given month on an assembly which contains an AT&T interoffice private line service furnished to the same customer are as specified in the Price List.
- Bills for tests performed at the customer's request during a given month will be issued monthly and may, at the option of the customer, be rendered for tests on a single assembly or group of assemblies for interoffice private line services.

Refer to Price List.

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## ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

#### Additional Installation/Maintenance Functions 13.3

AT&T will provide the following additional installation/maintenance functions for a private line service when ordered by the customer.

#### 13.3.1 Overtime Installation

Installation activities performed at times which require premium payment to installation personnel.

#### 13. 3. 2 St and-By

Refers to retention, at the customer's request, of installation/maintenance personnel at the AT&T central office or customer premises after completion of normal testing appropriate to the installation or repair of the private line service being provided. In such cases additional Installation/Maintenance charges apply for all time in excess of 1/2 hour.

13. 3. 3 Rates are as specified in the Price List.

> When personnel are called out to provide additional installation/maintenance functions during a previously excused work period which does not coincide with the employee's work period, a minimum charge of four (4) hours applies.

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#### ADDITIONAL ADM NISTRATIVE AND OPERATIONAL FUNCTIONS

#### 13.4 Additional Engineering Functions

#### 13. 4. 1 AT&T Provided

AT&T will provide the following additional engineering functions when ordered by the customer. Additional engineering will only be provided when:

- A customer requests additional technical information after AT&T has already provided the technical information normally included in the Design Layout Report.
- A customer requests the provision of engineering design or other activities which are not normally provided as part of the design and installation of a service.

#### 13, 4, 2 Rat es

Additional Engineering of Interoffice Services charges are as specified in the Price List.

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## ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

13.5 Telecommunications Service Priority (TSP)

> AT&T will arrange a private line service for TSP provisioning and/or restoration priority on receipt of certification in conformance with Part 64, Subpart D, Appendix A, of the FCC's Rules and Regulations.

#### 13. 5. 1 Interoffice Channels

- When an order for a TSP provisioning priority is received, a charge applies, as specified in the Price List.
- When an order for TSP restoration priority is received, a charge B. applies, as specified in the Price List.
- When an order for a TSP restoration priority level change is received, a charge applies, as specified in the Price List.
- When special construction is necessary, the provisions and charges as set forth in AT&T's Tariff F.C.C. No. 5 will also apply.
- Design Change Charge 13.6

A Design Change Charge applies, as specified in the Price List, each time a customer requests a change of an order that results in a change in the design, operation, or function of the interoffice private line service ordered. The Design Change Charge applies when a change in an order occurs after installation has started but prior to the due date.

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#### 13. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

#### 13.7 Provision of a Design Layout Report

The customer may order the design information pertaining to a private line service. This information is provided in a report referred to as a Design Layout Report. Design Layout Reports can only be provided on services ordered after the effective date of this tariff. A charge applies for the provision of the Design Layout Report.

The customer may order the design information pertaining to a private line service. This information is provided in a report referred to as a Design Layout Report. Design Layout Reports can only be provided on services ordered after the effective date of this tariff. A charge applies for the provision of the Design Layout Report.

When a Design Layout Report has been ordered for a given private line service, revised information will be furnished at no charge if (1) the service design is subsequently altered and (2) that alteration changes the operating characteristics of the service as furnished in the initial report. However, if the design layout changes because a service has been modified in response to a customer's order, a new Design Layout Report will be subject to the charge.

To the extent applicable, the Design Layout Report for an interoffice private line service includes information such as:

Carrier channel bank type, Carrier system mileage, Channel lineup and maintenance levels, Channel design signal levels, The type transmission medium used to provide the Interoffice Channel, The expected measured loss, The expected impedance at the demarcation point, Type signaling used (e.g., E&M).

When the Design Layout Report is ordered subsequent to an order to install or rearrange a private line service, an additional Administrative Charge applies for each order, as specified in the Price List.

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#### 7. ACCUNET T1.5 SERVICE-INTEROFFICE

#### Cancellation Charge

Cancellation Charge Schedule - ACCUNET T1.5

COMPONENT	USOC	APP	SID	DLRD	RID	WOT	CTA	DD
INTEROFFICE CHANNEL (IOC)	NRZCN	\$0	\$575	\$575	\$870	\$1012	\$1335	\$1460
OFFICE CONNECTION(OC)	NRZCN	\$0	\$213	\$213	\$277	\$340	\$372	\$400

The applicable charge is based on the last scheduled critical date reached in the service order process. For example, for an order involving an IOC and two OCs that is canceled after the SID but prior to the DLRD, cancellation charges listed under the "SID" column for the IOC and each of the two OCs apply.

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#### 7. ACCUNET T1.5 SERVICE-INTEROFFICE

Service Components and Rates

## Interoffice Channel

MILES	USOC	FIXED	PER MILE
1 - 50	1LNVX	\$400.00	\$9.00
51- 100 101+	1LNVX 1LNVX	\$400.00 \$400.00	\$9.00 \$9.00

Discounted Fixed Rate Plans

Discounted Fixed Rate Plans are available as alternatives conventional monthly rates.

to

Minimum Term Discounts

Term Commitment	Discounts
One Year	15%
Two Years	17%
Three Years	20%
Four Years	24%
Five Years	29%

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## 7. ACCUNET T1.5 SERVICE-INTEROFFICE

#### Office Connections

A. Access Connection

			INSTALLATION
	USOC	MONTHLY	CHARGE
Per connection	041AC	\$100.00	\$340.00

B. Function Connection

•		Ι	NSTALLATION	
	USOC		CHARGE	
Per connection	NRZFC	 	\$340.00	_

#### Office Functions

Transfer Arrangement

			USOC	MONTHLY
Per	Transfer	Arrangement	XTA++	\$312.00

B. M-24 Multiplexing

	USOC	MONTHLY	INSTALLATION CHARGE
Per M-24 Multiplexing office function	MSF24	\$208.00	\$1,095.00

C. \*M-44 Multiplexing -

	USOC	MONTHLY
Per M-44 Multiplexing office function	MSF99	\$675.00

D. Access Protection Capability

		USOC	MONTHLY
Per Access	Protection		
Capability		APZ	\$340 <b>.</b> 00

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#### 7. ACCUNET T1.5 SERVICE-INTEROFFICE

Service Components and Rates (Cont'd)

Office Functions (Cont'd)

E. DS1 Switch Port

			INSTALLATION
	USOC	MONTHLY	CHARGE
Per DS1 Switch Port	CURHS	ICB	ICB

F. Network Protection Capability (NPC)

			INSTALLATION
	USOC	MONTHLY	CHARGE
Per DS1 Switch Port	APZNP	ICB	ICB

Channel Options

Enhanced Diversity Routing

	USOC	MONTHLY	INSTALLATION CHARGE	
Per each IOC in each relationship pair	DY7D1	\$75.00	\$200.00	•

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## ACCUNET T45 SERVICES-INTEROFFICE

Service Components and Rates

## Interoffice Channel

Monthly Plan

Mileag <b>e</b>			
Band	USOC	Fixed	Per Mil <b>e</b>
1-50	1LNVX	ICB	ICB
51-100	ILNVX	ICB	ICB
101-200	1LNVX	ICB	ICB
201+	1LNVX	ICB	ICB

#### Office Connections

#### Access Connection

		Monthly .	Installation
	USOC	Rate	Charge
Per connection	041AC	ICB	ICB

#### Function Connection

		Installation
	USOC	Charge
Per connection	NRZFC	ICB

#### Office Functions

#### M28 Multiplexing

	USOC	Monthly Rate	Installation Charge	
Per M28 Multiplexing Office Function	M2X	ICB	ICB	

#### Network Protection Capability (NPC) В.

		Monthly	Installation
	USOC	Rate	Charge
Per IOC	APZNP	ICB	ICB

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#### 8. ACCUNET T45 SERVICES-INTEROFFICE

Service Components and Rates (Cont'd)

#### Office Functions (Cont'd)

## C. Access Protection Capability

	USOC	Month <b>ly</b> Rat <b>e</b>	Installation Charge
Per Access Protection Capability Office Function	APZ	1CB	ICB
D. Switch Port			
	USOC	Month <b>ly</b> Rat <b>e</b>	Installation Charge
Per DS3 Switch Port	CURD3	ICB	ICB
Channel Options			
	USOC	Monthl <b>y</b> Rat <b>e</b>	Installation Charge
Per Each IOC In Each Relationship Pair	DY7D1	ICB	ICB

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#### 9. ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

#### Cancellation Charge

Cancellation Charge Schedule - ASDS

CRITICAL DATES								
COMPONENT	USOC	APP	SID	DLRD	RID	WOT	CTA	DD
9.6 Kbps IOC 56/64 Kbps IOC All Other IOC	NRZCN NRZCN NRZCN	\$0 \$0 \$0	\$87 \$87 \$191	\$105 \$105 \$231	\$208 \$208 \$458	\$332 \$332 \$733	\$366 \$366 \$740	\$390 \$390 \$789
9.6 Kbps OC 56/64 Kbps OC All Other OC	NRZCN NRZCN NRZCN	\$0 \$0 \$0	\$45 \$45 \$99	\$53 \$53 \$116	\$101 \$101 \$349	\$149 \$149 \$512	\$149 \$149 \$512	\$153 \$153 \$527

The applicable charge is based on the last scheduled critical date reached in the service order process. For example, for an order involving an IOC and two office connections (OC) which is canceled after the SID but prior to the DLRD, cancellation charges as listed under the column entitled "SID" apply for the IOC and each of the two office connections.

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ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

## Service Components and Rates

## Interoffice Channel (IOC)

## Interoffice Channel Rates:

#### MONTHLY CHARGE PER CHANNEL

	MILEAGE BAND	USOC	FIXED	PER MILE
per 9.6 Kbps Channel	1 - 50 51 - 100 101+	1LNVX 1LNVX 1LNVX	\$85.00 \$170.00 \$285.00	\$3.20 \$1.50 \$0.35
per 56/64 Kbps Channel	1 - 50 51 - 100 101+	1LNVX 1LNVX 1LNVX	\$85.00 \$170.00 \$285.00	\$3.20 \$1.50 \$0.35
per 128 Kbps Channel	1 - 50 51 - 100 101+	1LNVX 1LNVX 1LNVX	\$545.00 \$545.00 \$545.00	\$ .63 \$ .63 \$ .63
per 192 Kbps Channel	1 - 50 51 - 100 101+	1LNVX 1LNVX 1LNVX	\$800.00 \$800.00 \$800.00	\$ .92 \$ .92 \$ .92
per 256 Kbps Channel	1 - 50 51 - 100 101+	1LNVX 1LNVX 1LNVX	\$1,035.00 \$1,035.00 \$1,035.00	\$1.19 \$1.19 \$1.19
per 320 Kbps Channel	1 - 50 51 - 100 101+	1LNVX 1LNVX 1LNVX	\$1,285.00 \$1,285.00 \$1,285.00	\$1.49 \$1.49 \$1.49
per 384 Kbps Channel	1 - 50 51 - 100 101+	1LNVX 1LNVX 1LNVX	\$1,505.00 \$1,505.00 \$1,505.00	\$1.75 \$1.75 \$1.75

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## ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

## Service Components and Rates (Cont'd)

## Interoffice Channel (IOC) (Cont'd)

## Interoffice Channel Rates: (Cont'd)

#### MONTHLY CHARGE PER CHANNEL

	MILEAGE BAND	USOC	FIXED	PER MILE
per 448 Kbps Channel	1 - 50 51 - 100 101+	1LNVX 1LNVX 1LNVX	\$1,710.00 \$1,710.00 \$1,710.00	\$2.00 \$2.00 \$2.00
per 512 Kbps Channel	1 - 50 51 - 100 101+	1LNVX 1LNVX 1LNVX	\$1,895.00 \$1,895.00 \$1,895.00	\$2.22 \$2.22 \$2.22
per 576 Kbps Channel	1 - 50 51 - 100 101+	1LNVX 1LNVX 1LNVX	\$2,075.00 \$2,075.00 \$2,075.00	\$2.43 \$2.43 \$2.43
per 640 Kbps Channel	1 - 50 51 - 100 101+	1LNVX 1LNVX 1LNVX	\$2,235.00 \$2,235.00 \$2,235.00	\$2.63 \$2.63 \$2.63
per 704 Kbps Channel	1 - 50 51 - 100 101+	1LNVX 1LNVX 1LNVX	\$2,380.00 \$2,380.00 \$2,380.00	\$2.80 \$2.80 \$2.80
per 768 Kbps Channel	1 - 50 51 - 100 101+	lLNVX lLNVX lLNVX	\$2,510.00 \$2,510.00 \$2,510.00	\$2.97 \$2.97 \$2.97

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## ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

## Service Components and Rates (Cont'd)

## Interoffice Channel (IOC) (Cont'd)

## B. MCP Discounts

Number of IOCs	USOC	Percent Discount
2	1LNVX	6%
3	1LNVX	7%
4	1LNVX	8%
5	1LNVX	8%
6	1LNVX	9%
7	1LNVX	10%
8	1LNVX	11%
9	1LNVX	12%
10+	1LNVX	13%

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## 9. ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

## Service Components and Rates (Cont'd)

## Office Connections

#### A. Access Connection

Per Connection

SPEED	USOC	MONTHLY CHARGE	INSTALLATION CHARGE
9.6 Kbps	041AC	\$22.10	\$215.00
56/64 Kbps	041AC	\$22.10	\$215.00
128 Kbps	041AC	\$32 <b>.75</b>	\$548.00
192 Kbps	041AC	\$34 <b>.30</b>	\$548 <b>.00</b>
256 Kbps	041AC	\$38.45	\$548.00
320 Kbps	041AC	\$41 <b>.45</b>	\$548.0 <b>0</b>
384 Kbps	041AC	\$43 <b>.90</b>	\$548 <b>.</b> 00
448 Kbps	041AC	\$4 <b>6.75</b>	\$548 <b>.00</b>
512 Kbps	041AC	\$49.35	\$548.00
576 Kbps	041AC	\$4 <b>9.85</b>	\$548.00
640 Kbps	041AC	\$50.90	\$548 <b>.00</b>
704 Kbps	041AC	\$51 <b>.95</b>	\$548 <b>.</b> 0 <b>0</b>
768 Kbps	041AC	\$54.80	\$548.00

#### B. Function Connection

Per Connection

SPEED	USOC	INSTALLATION CHARGE
9.6 Kbps	NRZF <b>C</b>	\$215.00
56/64 Kbps	NRZFC	\$215.00
128 Kbps	NRZFC	\$548.00
192 Kbps	NRZFC	\$548.00
25 <b>6</b> Kbps	NRZFC	\$548.00
320 Kbps	NRZFC	\$548.00
384 Kbps	NRZFC	\$548.00
448 Kbps	NRZFC	\$548.00
512 Kbps	NRZFC	\$548 <b>.00</b>
576 Kbps	NRZFC	\$548.00
640 Kbps	NRZFC	\$548.00
704 Kbps	NRZFC	\$548.00
768 Kbps	NRZFC	\$548.00
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#### PRIVATE LINE SERVICES TARIFF-SCHEDULE 9

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9. ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

Service Components and Rates (Cont'd)

Channel Options

A. Signaling Capability

			MONTHLY
		USOC	CHARGE
Per IOC		SZGVX	None

- B. Conditioning
  - 1. Data Conditioning
    - a. C-Type Conditioning
      - C-1 conditioning for two-point channels not arranged for switching.

-		MONTHLY	INSTLLATION
	USOC	CHARGE	CHARGE
Per IOC	P2W	None	None

(a) C-l conditioning for multipoint channels not arranged for switching.

		MONTHLY	INSTALLATION
	USOC	CHARGE	CHARGE
Per IOC	PH7	None	None

(b) C-1 conditioning for two-point channels arranged for switching to an AT&T Central Office.

		MONTHLY	INSTALLATION
	USOC	CHARGE	CHARGE
Per IOC	P2X	None	None

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9. ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

Service Components and Rates (Cont'd)

Channel Options (Cont'd)

- B. Conditioning (Cont'd)
- 1. Data Conditioning (Cont'd)
  - a. C-Type Conditioning (Cont'd)
    - (2) C-2 conditioning for two-point channels not arranged for switching.

:		MONTHLY	INSTALLATION
	USOC	CHARGE	CHARGE
Per IOC	P3 <b>H</b>	None	None

(a) C-2 conditioning for multipoint channels not arranged for switching.

		MONTHLY	INSTALLATION
	USOC	CHARGE	CHARGE
Per IOC	P3W	None	None

(b) C-2 conditioning for two-point channels arranged for switching to an AT&T Central Office.

		MONTHLY	INSTALLATION
	USOC	CHARGE	CHARGE
Per IOC	P3.T	None	None

(c) C-2 conditioning for multipoint channels arranged for switching.

		MONTHLY	INSTALLATION
	USOC	CHARGE	CHARGE
Per IOC	PH <b>9</b>	None	None

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#### 9. ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

#### Service Components and Rates (Cont'd)

Channel Options (Cont'd)

- Conditioning (Cont'd)
- 1. Data Conditioning (Cont'd)
  - a. C-Type Conditioning (Cont'd)
    - (3) C-3 conditioning for switched network interoffice access

		MONTHLY	INSTALLATION
	USOC	CHARGE	CHARGE
Per IOC	P7W	None	None

(a) C-3 for switched network trunks.

		MONTHLY	INSTALLATION
	USOC	CHARGE	CHARGE
Per IOC	P7G	None	None

- (4) C-4 conditioning
  - (a) C-4 conditioning for two-point channels.

	* *	MONTHLY	INSTALLATION
	USOC	CHARGE	CHARGE
Per IOC	P4W	None	None

(b) C-4 conditioning for multi-point channels.

		MONTHLY	INSTALLATION
	USOC	CHARGE	CHARGE
Per IOC	P4V	None	None

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9. ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

Service Components and Rates (Cont'd)

Channel Options (Cont'd)

- B. Conditioning (Cont'd)
  - 1. Data Conditioning (Cont'd)
    - a. C-Type Conditioning (Cont'd)
      - (5) C-5 conditioning is available for two-point channels.

		MONTHLY	INSTALLATION
	USOC	CHARGE	CHARGE
Per IOC	P5W	None	None

(6) C-7 conditioning is available for two-point channels.

		MONTHLY	INSTALLATION
	USOC	CHARGE	CHARGE
Per IOC	P7X	None	None

(7) C-8 conditioning is available for two-point channels.

		MONTHLY	INSTALLATION
	USOC	CHARGE	CHARGE
Per IOC	P8V	None	None

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9. ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

Service Components and Rates (Cont'd)

Channel Options (Cont'd)

- B. Conditioning (Cont'd)
- 1. Data Conditioning (Cont'd)
  - b. D-Type Conditioning
    - (1) D-1 conditioning for services not arranged for switching and for services arranged for through switching.

		MONTHLY	INSTALLATION
	USOC	CHARGE	CHARGE
Per TOC	OHA	None	None

(2) D-2 conditioning for a two-point channel arranged for switching of an AT&T central office.

		MONTHLY	INSTALLATION
	USOC	CHARGE	CHARGE
Per IOC	QHB	None	None

(3) D-5 conditioning for polled multipoint data services not arranged for switching.

		MONTHLY	INSTALLATION
	USOC	CHARGE	CHARGE
Per IOC	QHE	None	None

(4) D-6 conditioning for two-point services not arranged for switching Local channels or other access connected to an IOC equipped for D-6 conditioning must meet the parameters stated for C-1 and D-1 conditioning.

		MONTHLY	INSTALLATION
	USOC	CHARGE	CHARGE
Per IOC	QHED6	None	\$737.00

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#### 9. ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

## Service Components and Rates (Cont'd)

Channel Options (Cont'd)

C. Tone Control Conditioning

		MONTHLY	INSTALLATION
	USOC	CHARGE	CHARGE
Per IOC	GN3++	None	None

D. Customer Requested Echo Control - Echo control provides a customer with the capability to minimize echo effects on ASDS with extensive channel mileages and voice grade access. Echo control will be furnished as required on IOCs. When a customer requests echo control on an IOC whose parameters do not require it to be equipped with echo control, it will be provided at the following charges.

A customer may also request that echo control not be provided on an IOC which normally would be equipped with echo control to meet its design objectives. No credit will be given for echo control not provided.

	USOC	MONTHLY CHARGE	INSTALLATION CHARGE
Per IOC			
when installed at the same time as the IOC	EKOS <b>F</b>	\$29.75	None
when installed subsequently	EKOSA	\$29.75	\$87.25

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#### 9. ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

#### Service Components and Rates (Cont'd)

## Channel Options (Cont'd)

- E. Special Routing of an ASDS
- 1. Diversity

Per IOC

Speed	USOC	MONTHLY
56/64 Kbps	DY <b>7DK</b>	\$35.00
128 Kbps	DY7 <b>DK</b>	\$66.50
256 Kbps	DY7DK	\$127.00
384 Kbps	DY7DK	\$179.00
512 Kbps	DY7DK	\$224.00
768 Kbps	DY7DK	\$314.00

#### 2. Custom Diversity

Per IOC

Speed	USOC	MONTHLY
56/64 Kbps 128 Kbps 256 Kbps 384 Kbps 512 Kbps 768 Kbps	DY7C5 DY7C5 DY7C5 DY7C5 DY7C5 DY7C5	\$79.00 \$106.50 \$158.00 \$211.00 \$264.00 \$369.00
•		

#### 3. Avoidance

			MONTHLY
	*	USOC	CHARGE
Per IOC		DY7AK	\$70.00

## 4. Diversity and Avoidance

		MONTHLY	
	USOC	CHARGE	
Per IOC	DY7BE	\$70.00	

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## 9. ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

## Service Components and Rates (Cont'd)

## Office Functions

#### A. Transfer Arrangements

	USOC	MONTHLY CHARGE	INSTALLATION CHARGE
Private Line Service Transfer Arrangement - Per Service	XTAOC	\$50.00	\$52.50
Analog Local Channel or Other Access Transfer Arrangements			
Transfer Arrangement with Alternate Disconnect - Per Arrangement	XTAAC	\$50.00	\$52 <b>.</b> 50
Transfer Arrangement Without Alternate Disconnect - Per Arrangement	XTAWD	\$50.00	\$52.50
Transfer Arrangement with Alternate Disconnect and Busytone - Per Arrangement	XTAAB	\$50 <b>.</b> 00	\$52.50
Transfer Arrangement with Alternate Disconnect and Intercept - Per Arrangement	36B	\$50 <b>.</b> 00	\$52 <b>.</b> 50
Exclusion Arrangement - Per Interoffice Channel, Analog Voice			
Grade Local Channel, or other analog access	XTAEX	\$50.00	\$52.50

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#### 9. ACCUNET SPECTRUM OF DIGITAL SERVICES-INTEROFFICE

#### Office Functions (Cont'd)

- A. Transfer Arrangements (Cont'd)
- 3. 1 X N Channel Switch

	USOC	MONTHLY CHARGE	INSTALLATION CHARGE
Per Nest (capacity - 20 channels cards)	3DYXN	\$128.00	\$128.00
Per Channel Card (capacity - one switching function)	3DYCC	\$20.55	None

#### B. ASDS Switch Port

SPEED	USOC	MONTHLY	INSTALLATION CHARGE
56/64 Kbps	CURCR	\$30.00	\$22 <b>.00</b>
	CURCR	\$60.00	\$32.0 <b>0</b>
	CURCR	\$110.00	\$43.00
	CURCR	\$160.00	\$64.00
-	CURCR	\$210.00	\$86.00
768 Kbps	CURCR	\$280.00	\$129.00
	56/64 Kbps 128 Kbps 256 Kbps 384 Kbps 512 Kbps	56/64 Kbps CURCR 128 Kbps CURCR 256 Kbps CURCR 384 Kbps CURCR 512 Kbps CURCR	56/64 Kbps CURCR \$30.00 128 Kbps CURCR \$60.00 256 Kbps CURCR \$110.00 384 Kbps CURCR \$160.00 512 Kbps CURCR \$210.00

#### C. Subrate Data Multiplexing (SDM)

		MONTHLY
	USOC	CHARGE
Per SDM office function	SD005	\$158.00

## D. Analog/Digital Multipoint Charge

		MONTHLY
	USOC	CHARGE
Per analog termination	MPC	\$20.00
Per digital termination	MPCDX	\$15.00

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#### 10. DATAPHONE DIGITAL SERVICES-INTEROFFICE\*

#### Cancellation Charge

Cancellation Charge Schedule - 9.6 Kbps DDS

#### CRITICAL DATES

			T	T	T	<del></del>		
COMPONENT	USOC	APP	SID	DLRD	RID	WOT	CTA	DD
INTEROFFICE CHANNEL (IOC)	NRZCN	0	\$85	\$100	\$155	\$165	\$185	\$195
OFFICE CONNECTION (OC)	NRZCN	0	\$40	\$45	\$80	\$80	\$80	\$85

## Cancellation Charge Schedule - 56 Kbps DDS

#### CRITICAL DATES

COMPONENT	USOC	APP	SID	DLRD	RID	WOT	СТА	DD
INTEROFFICE CHANNEL (IOC)	NRZCN	0	\$120	\$140	\$210	\$220	\$255	\$265
OFFICE CONNECTION (OC)	NRZCN	0	\$45	\$50	\$85	\$85	\$90	\$90

The applicable charge is based on the last scheduled critical date reached in the service order process. For example, for a 56 Kbps order involving an IOC and two OCs which is canceled after the SID but prior to the DLRD would incur cancellation charges for the IOC and each of the two OCs at the rates indicated under the column titled "SID".

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\* DATAPHONE Digital Services may no longer be ordered for new Customers or for additional orders received from existing Customers after February 15, 2001. DATAPHONE Digital Services in place or on order before February 15, 2001 will remain in effect until discontinued or canceled by the Customer.

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Leslie Buford-Tariff Administrator BY:

#### DATAPHONE DIGITAL SERVICES-INTEROFFICE\* 10.

## Service Components and Rates

## Interoffice Channel

		МО	NTHLY
	USOC	FIXED	PER MILE
9.6 Kbps 56 Kbps	1LNVX 1LNVX	\$130.00 \$215.00	\$1.00 \$1.60
Office Connecti	ons		
A. Access Connection			
SPI	EED USOC	MONTHLY CHRGE	INSTALLATION CHARGE
Per Connection 9.6 K Per Connection 56 Kb		\$21.30 \$53.25	\$167.00 \$252.00
B. Function Connection			
-Per Connection 9.6 K -Per Connection 56 Kb			INSTALLATION CHARGE \$167.00 \$252.00
Office Function	<u>ns</u>		
A. Digital Multipoint C	Charge		

## Α.

MONTHLY USOC \$15.00 MPCDX Per termination

\* DATAPHONE Digital Services may no longer be ordered for new Customers or for additional orders received from existing Customers after February 15, 2001. DATAPHONE Digital Services in place or on order before February 15, 2001 will remain in effect until discontinued or canceled by the Customer PUBLIC SERVICE COMMISSION OF KENTUCKY EFFECTIVE

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## 11. SONET SERVICE-INTEROFFICE

## Cancellation Charge

Cancellation Charge Schedule -

- Interoffice Channel (IOC)
- Office Connection (OC)

## CRITICAL DATES

COMPONENT	USOC	<u>APP</u>	SID	DLRD	RID	$\underline{\mathtt{WOT}}$	CTA	<u>D</u> <b>D</b>
OC3 IOC	NRZC <b>N</b>	0	\$ 5,000	\$20,000	\$ 30,000	\$ 35,000	\$ 37,500	\$ 40,000
OC3 OC	NRZC <b>N</b>	0	50 <b>0</b>	1,000	2,000	2,500	2,750	3,000
OC12 IOC	NRZCN	0	20,000	80,000	120,000	140,000	150,000	160,000
OC12 OC	NRZCN	0		4,000	8,000	10,000	11,000	12,000

The applicable charge is based on the last scheduled critical date reached in the service order process.

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#### 11. SONET SERVICE-INTEROFFICE

## Service Components and Rates

## Interoffice Channel

		MONTHLY	
	USOC	CHARGE	
- per OC3	1LNV <b>X</b>	ICB	
- per OC12	1LNVX	ICB	

#### Office Connections

#### A. Access Connection

		MONTHLY	INSTALLATION
	USOC	CHARGE	CHARGE
- per OC3 connection	041AC	ICB	ICB
- per OC12 connection	041AC	ICB	ICB

## B. Function Connection

		INSTALLATION
	USOC	CHARGE
- per OC3 connection	NRZFC	ICB
- per OC12 connection	NRZFC	ICB

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#### 11. SONET SERVICE-INTEROFFICE

#### Service Components and Rates

## Office Functions

SONET Multiplexing

			MONTHLY	
		USOC	CHARGE	_
- per SONET	Multiplexing			_
office func	tion	M5X	ICB	

## Channel Activation Option -

- per activated port	SPEED  DS1 DS3 OC3 OC12	USOC PAC15 PAC45 PAC55 PAC12	MONTHLY CHARGE ICB ICB ICB ICB	INSTALLATION CHARGE* ICB ICB ICB ICB ICB
- Reconfiguaration Charge per Activated port	SPEED  DS1 DS3 OC3	USOC NRZ15 NRZ45 NRZ55		INSTALLATION CHARGE ICB ICB ICB

(These rates are billed in 15 minute increments.)

\*Installation charges do not apply when the activated port is ordered for installation at the same time as the multiplexing office function.

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#### MISCELLANEOUS EQUIPMENT AND ARRANGEMENTS

## Interoffice Services Multiservice Office Functions

#### Analog/Digital Converter

Voice Grade Analog/Digital Converter

			MONTHLY	INSTALLATION
	SPEED	USOC	CHARGE	CHARGE
-Per Converter	9.6 Kbps	DDM	\$458.00	None

## 1 X N Control Arrangement

		MONTHLY	INSTALLATION
•	USOC	CHARGE	CHARGE
Per Arrangement	3DY	\$143.00	None

Miscellaneous Equipment and Arrangements for use with Voice Grade Local Channel Services

## \*Automatic Voice Connecting Arrangements

	USOC	MONTHLY CHARGE	INSTALLATION CHARGE
Per arrangement when installed as			
the local channel	CDQ++	\$6.25	None

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<sup>\*</sup>Automatic Voice Connecting Arrangements are grandfathered effective January 2, 1993.

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#### MISCELLANEOUS EQUIPMENT AND ARRANGEMENTS 12.

## Standard Jacks

#### Standard Voice Jacks

A. Miniature 6 Position Jacks for connection of terminal equipment as follows:

	USOC	MONTHL <b>Y</b> CHARGE	INSTALLATION CHARGE	- -
Single line telephone set surface or flush mounted	RJ11C	None	\$11.00	
Single line telephone set wall mounted	RJ11W	None	\$11.00	
Two line non-key telephone sets surface or flush mounted	RJ14C	None	\$11.00	
Two line non-key telephone sets wall mounted	RJ14W	None	\$11.00	
9dB single data equipment with mode indication and mode indication common leads. This jack is normally used in association with a series jack	RJ16X	None	\$11.00	
Single line 4-wire bridged tip/ring and tip l/ring l connections	RJ1DC	None	\$11.00	
Special single line equipment use in hospital critical care areas	RJ17C	None	\$11.00	
Three line non-key telephone sets and ancillary devices	RJ25C	None	\$53 <b>P00</b> LIC\$	SERVICE COMMISSION OF KENTUCKY EFFECTIVE
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## 12. MISCELLANEOUS EQUIPMENT AND ARRANGEMENTS

## Standard Jacks (Cont'd)

## Standard Voice Jacks (Cont'd)

B. 50 Position Miniature Ribbon for connection of multiline terminating equipment and channel derivation devices as follows:

	USOC	MONTHLY CHARGE	INSTALLATION CHARGE
For connection to off premises station lines (25 line capacity)	RJ21X	None	\$175.00
For connection of bridged 4-wire tip/ring and tip 1/ring 1 connections (12 line capacity)	RJ2DX	None	\$110.00
For connection to two-wire tie trunks E&M type I signaling (12 line capacity)	RJ2EX	None	\$175.00
For connection to two-wire tie trunks E&M type II signaling (8 line capacity)	RJ2FX	None	\$175.00
For connection to four-wire tie trunks E&M type I signaling (8 line capacity)	RJ2GX	None	\$175.00
For use with series devices such as toll restrictors (12 line capacity)	RJ71C	None	\$115.00
For connection to four-wire tie trunks E&M type II signaling (6 line capacity)	RJ2HX	None	\$175BIQ@ SERVICE COMMISSION
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## 12. MISCELLANEOUS EQUIPMENT AND ARRANGEMENTS

## Standard Jacks (Cont'd)

## Standard Voice Jacks (Cont'd)

C. Series Jacks for connection of terminal equipment as follows:

	USOC	MONTHLY CHARGE	INSTALLATION CHARGE
Single line alarm reporting devices	RJ31X	None	\$72.00
Series ancillary devices such as automatic dialers; single line sets with exclusion	RJ32 <b>X</b>	None	\$72.00
Two line telephone sets with exclusion on one line	RJ37X	None	\$72.00

D. Weatherproof Jack for use with single line telephone sets used at locations such as boats and marinas

USOC	MONTHY CHARGE	INSTALLATION CHARGE
RJ15C	None	\$120.00

## Standard Data Jacks

A. Universal Data Jack for use in connecting fixed loss loop and programmed types of data equipment (1 line capacity).

USOC	MONTHLY CHARGE	INSTALLATION CHARGE
RJ41S	None	\$70.00

B. Programmed Data Jack for use in connecting programmed data equipment. (1 line capacity)

USOC	MONTHLY CHARGE	INSTALLATION CHARGE	PUBLIC SERVICE COMMISSION
RJ45S	None	\$70.00	OF KENTUCKY EFFECTIVE

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## 12. MISCELLANEOUS EQUIPMENT AND ARRANGEMENTS

Standard Jacks (Cont'd)

## Standard Data Jacks (Cont'd)

C. Multiple Line Universal Data Jack for use in connecting fixed loss loop and programmed types of data equipment. This jack will terminate up to eight lines. The selection of this jack requires the use of the equipment listed in 1. and 2. below.

USOC	MONTHLY CHARGE	INSTALLATION CHARGE
RJ26X	None	\$270.00

1. Multiple Line Universal Data Jack Local Channel Cards. For use with RJ26X (see C. above). One card per local channel required.

USOC	MONTHLY CHARGE	INSTALLATION CHARGE
RJ26S	None	\$85.00

 Multiple Line Universal Data Jack Mounting options. For use with the RJ26X (see C. above). One required per RJ26X.

	USOC	MONTHLY CHARGE	INSTALLATION CHARGE
Wall Mounting with cover	RJM3X	None	\$48.00
Rack Mounting (19 inch or 23 inch)	RJM4X	None	\$30.00

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## 13. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

#### Testing Functions

#### Review of Other Access Test Results

	USOC	CHARGE
Per person, first half hour or fraction thereof	NRZT1	\$97.85
Per person, each		
additional half hour or fraction thereof	NRZT2	\$53.50

Special Participative Design Review, Technical Analysis and Testing

	USOC	CHARGE
Per person, first half hour or		
fraction thereof	NRZTD	\$97.85
Per person, each additional half		
hour or fraction thereof	NRZ <b>TE</b>	\$53.50

#### Customer Directed Participative Testing

	USOC	CHARGE
Per person per half hour or fraction thereof for interoffice channel testing	NRZTF	\$31.10
For each bill rendered	NRZTB	\$44.35
For each services in an assembly which has been tested and designated by the customer	NR ZTG	\$10.65
to be included in a given bill	MIZIG	910.03

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## 13. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

#### Additional Installation/Maintenance Functions

Overtime Installation of Interoffice Service/Standby at Central Office

	USOC	CHARGE
During normal working hours, per person		
First half hour or fraction thereof Each additional half hour or	NRZM <b>N</b>	\$0
fraction thereof	NRZM1	\$31.10
Outside of normal working hours, per person		
First half hour or fraction thereof Each additional	NRZM <b>O</b>	\$79.95
half hour or fraction thereof	NRZM2	\$35.60

When personnel are called out to provide additional installation/maintenance functions during a previously excused work period which does not coincide with the employee's work period, a minimum charge of four (4) hours applies.

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## 13. ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

## Additional Engineering Functions

	USOC	CHARGE
During normal working hours, per person		
First half hour or fraction thereof Each additional half hour or fraction	NRZEN	\$81.00
thereof	NRZE1	\$36.65
Outside of normal working hours, per person		
First half hour or fraction thereof Each additional half hour or fraction	NRZEO	\$84.85
thereof	NRZE2	\$40.45

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ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS 13.

## Telecommunications Service Priority (TSP)

## Interoffice Channels

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When an order for a TSP provisioning priority is received, the following charge applies.

	USOC		NONRECURRING CHARGE
Per service for TSP provisioning priority	NRZPP	,	\$400.00

When an order for TSP restoration priority is received, the following charges apply.

	USOC	MONTHLY CHARGE	NONRECURRING CHARGE
Per service for TSP restoration priority	RSPER	\$9.00	\$235.00

When an order for a TSP restoration priority level change is received, the following charge applies.

	USOC	NONRECURRING CHARGE
Per service for TSP		
restoration priority level chang <b>e</b>	NRZRS	\$35.00

D. When special construction is necessary, the provisions and charges as set forth in AT&T's Tariff F.C.C. No. 5 will also apply.

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## ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

## Design Change Charge

	USOC	CHARGE
Per design change for each interoffice service	NRZDC	\$124.00
Provision of a Design Layout	Report	
	USOC	CHARGE
Per Private Line Service	NRZD1	\$27.10
Administrative Charge	NRZDL	\$95.30

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