

P.S.C. Mo. No. 9
AT&T COMMUNICATIONS OF THE SOUTHWEST, INC.
PRIVATE LINE SERVICES TARIFF

Section 16
1st Revised Sheet 119
Replacing Original Sheet 117

SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 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 capability, conditioning, customer requested echo control, and special routing.

A. 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 to as the closed end.) Signaling capability for ASDS is provided as part of the access. For operational compatibility, access signaling arrangements must be compatible at each end of ASDS.

Information regarding interface codes and protocol codes can be found in Technical Publications - PUB 43202 and PUB 62210 (see Technical Publication Information, Sheet 17).

1. 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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16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 CHANNEL OPTIONS (Continued)

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A. SIGNALING CAPABILITY (Continued)

5. 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.

6. 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.

7. 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.

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16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 CHANNEL OPTIONS (Continued)

A. SIGNALING CAPABILITY (Continued)

2. 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.

3. E&M SIGNALING INTERFACE

The E&M Signaling Interface consists of two leads, the E lead and the M lead. The E lead generally receives supervision and pulsing from the distant interface. The M lead generally transmits supervision and pulsing toward the distant interface. This signaling arrangement is used for registered or grandfathered switching equipment tie trunks.

4. 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.

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16.2 SERVICE COMPONENTS AND RATES (Continued)

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16.2.3 CHANNEL OPTIONS (Continued)

A. SIGNALING CAPABILITY (Continued)

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8. 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.

RATES:

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- per IOC

USOC

MONTHLY

SZGVX

None

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B. CONDITIONING

Conditioning provides more specific transmission characteristics for ASDS connected to voice grade access or to appropriate office functions. The following types of conditioning apply to end-to-end services, using voice grade access with the proper conditioning option selected. The conditioning parameters stated are based on the assumption that the access will meet the conditioning parameters set forth in the Local Exchange Companies' access service tariffs.

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16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 CHANNEL OPTIONS (Continued)

A. SIGNALING CAPABILITY (Continued)

5. 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.

6. 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.

7. 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.

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16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 CHANNEL OPTIONS (Continued)

B. CONDITIONING (Continued)

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1. DATA CONDITIONING

There are two types of data conditioning: C-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 Tariff Publication-PUB 43202. Only one kind of C-Type conditioning may be applied to an ASDS.

I. C-1 CONDITIONING

For two-point channels not arranged for switching.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per IOC	P2W	None	None

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SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 CHANNEL OPTIONS (Continued)

A. SIGNALING CAPABILITY (Continued)

8. 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.

RATES:

	<u>USOC</u>	<u>MONTHLY</u>
- per IOC	SZGVX	None

B. CONDITIONING

Conditioning provides more specific transmission characteristics for ASDS connected to voice grade access or to appropriate office functions. The following types of conditioning apply to end-to-end services, using voice grade access with the proper conditioning option selected. The conditioning parameters stated are based on the assumption that the access will meet the conditioning parameters set forth in the Local Exchange Companies' access service tariffs.

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16.2 SERVICE COMPONENTS AND RATES (Continued)

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16.2.3 CHANNEL OPTIONS (Continued)

B. CONDITIONING (Continued)

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1. DATA CONDITIONING (Continued)

(a) C-TYPE CONDITIONING (Continued)

I. C-1 CONDITIONING (Continued)

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(i) C-1 CONDITIONING

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For multipoint channels not arranged for switching.

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	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u>
	<u>PH7</u>	<u>None</u>	<u>CHARGE</u>
- per IOC			None

(ii) C-1 CONDITIONING

For two-point channels arranged for switching at an AT&T Central Office.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u>
	<u>P2X</u>	<u>None</u>	<u>CHARGE</u>
- per IOC			None

II. C-2 CONDITIONING

For two-point channels not arranged for switching.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u>
	<u>P3H</u>	<u>None</u>	<u>CHARGE</u>
- per IOC			None

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SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 CHANNEL OPTIONS (Continued)

B. CONDITIONING (Continued)

1. DATA CONDITIONING

There are two types of data conditioning: C-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 Tariff Publication-PUB 43202. Only one kind of C-Type conditioning may be applied to an ASDS.

(1) C-1 CONDITIONING

For two-point channels not arranged for switching.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per IOC	P2W	None	None

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16.2 SERVICE COMPONENTS AND RATES (Continued)

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16.2.3 CHANNEL OPTIONS (Continued)

B. CONDITIONING (Continued)

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1. DATA CONDITIONING (Continued)

(a) C-TYPE CONDITIONING (Continued)

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II. C-2 CONDITIONING (Continued)

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(i) C-2 CONDITIONING

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For multipoint channels not arranged for switching

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	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u>
	<u>P3W</u>	<u>None</u>	<u>CHARGE</u>
- per IOC			None

(ii) C-2 CONDITIONING

For two-point channels arranged for switching at an AT&T Central Office.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u>
	<u>P3J</u>	<u>None</u>	<u>CHARGE</u>
- per IOC			None

(iii) C-2 CONDITIONING

For multipoint channels arranged for switching.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u>
	<u>PH9</u>	<u>None</u>	<u>CHARGE</u>
- per IOC			None

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16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 CHANNEL OPTIONS (Continued)

B. CONDITIONING (Continued)

1. DATA CONDITIONING (Continued)

a. C-TYPE CONDITIONING (Continued)

(1) C-1 CONDITIONING (Continued)

- (a) For multipoint channels not arranged for switching.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per IOC	PH7	None	None

(b) C-1 CONDITIONING

For two-point channels arranged for switching at an AT&T Central Office.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per IOC	P2X	None	None

(2) C-2 CONDITIONING

For two-point channels not arranged for switching.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per IOC	P3H	None	None

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16.2 SERVICE COMPONENTS AND RATES (Continued)

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16.2.3 CHANNEL OPTIONS (Continued)

B. CONDITIONING (Continued)

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1. DATA CONDITIONING (Continued)

(a) C-TYPE CONDITIONING (Continued)

III. C-3 CONDITIONING

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For switched network interoffice access lines.

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	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u>
	<u>P7W</u>		<u>CHARGE</u>
- per IOC		None	None

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(i) C-3 CONDITIONING

For switched network trunks.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u>
	<u>P7G</u>		<u>CHARGE</u>
- per IOC		None	None

IV. C-4 CONDITIONING

C-4 conditioning is available for two-point channels.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u>
	<u>P4W</u>		<u>CHARGE</u>
- per IOC		None	None

(i) C-4 CONDITIONING

For multipoint channels consisting of not more than four AT&T Customer's premises.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u>
	<u>P4V</u>		<u>CHARGE</u>
- per IOC		None	None

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16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 CHANNEL OPTIONS (Continued)

B. CONDITIONING (Continued)

1. DATA CONDITIONING (Continued)

a. C-TYPE CONDITIONING (Continued)

(2) C-2 CONDITIONING (Continued)

(a) C-2 CONDITIONING

For multipoint channels not arranged for switching.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per IOC	P3W	None	None

(b) C-2 CONDITIONING

For two-point channels arranged for switching at an AT&T Central Office.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per IOC	P3J	None	None

(c) C-2 CONDITIONING

For multipoint channels arranged for switching.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per IOC	PH9	None	None

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16.2 SERVICE COMPONENTS AND RATES (Continued)

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16.2.3 CHANNEL OPTIONS (Continued)

B. CONDITIONING (Continued)

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1. DATA CONDITIONING (Continued)

(a) C-TYPE CONDITIONING (Continued)

V. C-5 CONDITIONING

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

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u>
	<u>P5W</u>	<u>None</u>	<u>CHARGE</u>
- per IOC	P5W	None	None

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VI. C-7 CONDITIONING

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

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u>
			<u>CHARGE</u>
- per IOC	P7X	None	None

VII. C-8 CONDITIONING

C-8 conditioning is available for two-point channels.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u>
			<u>CHARGE</u>
- per IOC	P8V	None	None

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16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 CHANNEL OPTIONS (Continued)

B. CONDITIONING (Continued)

1. DATA CONDITIONING (Continued)

a. C-TYPE CONDITIONING (Continued)

(3) C-3 CONDITIONING

For switched network interoffice access lines.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u> <u>CHARGE</u>
- per IOC	P7W	None	None

(a) C-3 CONDITIONING

For switched network trunks.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u> <u>CHARGE</u>
- per IOC	P7G	None	None

(4) C-4 CONDITIONING

C-4 conditioning is available for two-point channels.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u> <u>CHARGE</u>
- per IOC	P4W	None	None

(a) C-4 CONDITIONING

For multipoint channels consisting of not more than four AT&T Customer's premises.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u> <u>CHARGE</u>
- per IOC	P4V	None	None

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16.2 SERVICE COMPONENTS AND RATES (Continued)

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16.2.3 CHANNEL OPTIONS (Continued)

B. CONDITIONING (Continued)

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1. DATA CONDITIONING (Continued)

(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. D-Type conditioning is available as described following.

The signal to C-notched noise ratio, intermodulation distortion, phase jitter, attenuation distortion and envelope delay distortion parameters for D-Type conditioning are described in Technical Publication-PUB 43202.

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

I. D-1 CONDITIONING

For services not arranged for switching and for services arranged for through switching.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per IOC	QHA	None	None

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16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 CHANNEL OPTIONS (Continued)

B. CONDITIONING (Continued)

1. DATA CONDITIONING (Continued)

a. C-TYPE CONDITIONING (Continued)

(5) C-5 CONDITIONING

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

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per IOC	P5W	None	None

(6) C-7 CONDITIONING

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

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per IOC	P7X	None	None

(7) C-8 CONDITIONING

C-8 conditioning is available for two-point channels.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per IOC	P8V	None	None

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16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 CHANNEL OPTIONS (Continued)

B. CONDITIONING (Continued)

1. DATA CONDITIONING (Continued)

(b) D-TYPE CONDITIONING (Continued)

II. D-2 CONDITIONING

For a two-point channel arranged for switching at an AT&T Central Office.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u>
	<u>QHB</u>	<u>None</u>	<u>CHARGE</u>
- per IOC			None

III. D-5 CONDITIONING

For polled multipoint data services not arranged for switching.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u>
	<u>QHE</u>	<u>None</u>	<u>CHARGE</u>
- per IOC			None

IV. 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.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u>
	<u>QHED6</u>	<u>None</u>	<u>CHARGE</u>
- per IOC			\$737.00

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SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 CHANNEL OPTIONS (Continued)

B. CONDITIONING (Continued)

1. DATA CONDITIONING (Continued)

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. D-Type conditioning is available as described following.

The signal to C-notched noise ratio, intermodulation distortion, phase jitter, attenuation distortion and envelope delay distortion parameters for D-Type conditioning are described in Technical Publication-PUB 43202.

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

(1) D-1 CONDITIONING

For services not arranged for switching and for services arranged for through switching.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per IOC	QHA	None	None

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16.2 SERVICE COMPONENTS AND RATES (Continued)

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16.2.3 CHANNEL OPTIONS (Continued)

B. CONDITIONING (Continued)

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1. DATA CONDITIONING (Continued)

(b) D-TYPE CONDITIONING (Continued)

V. 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 (NRZDT).

2. 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.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per IOC	GN3++	None	None

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16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 CHANNEL OPTIONS (Continued)

B. CONDITIONING (Continued)

1. DATA CONDITIONING (Continued)

b. D-TYPE CONDITIONING (Continued)

(2) D-2 CONDITIONING

For a two-point channel arranged for switching at an AT&T Central Office.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per IOC	QHB	None	None

(3) D-5 CONDITIONING

For polled multipoint data services not arranged for switching.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- 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.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per IOC	QHED6	None	\$737.00

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16.2 SERVICE COMPONENTS AND RATES (Continued)

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16.2.3 CHANNEL OPTIONS (Continued)

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C. CUSTOMER REQUESTED ECHO CONTROL

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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.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per IOC			
- when installed at the same time as the IOC	EKOSF	\$29.75	None
- when installed subsequently	EKOSA	\$29.75	\$87.25

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SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 CHANNEL OPTIONS (Continued)

B. CONDITIONING (Continued)

1. DATA CONDITIONING (Continued)

b. D-TYPE CONDITIONING (Continued)

- (5) 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 (NRZDT).

2. 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.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per IOC	GN3++	None	None

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16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 CHANNEL OPTIONS (Continued)

MISSOURI
Public Service Commission

D. 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 IOCs, when the required service components are available. These special routing options have associated charges in addition to other applicable charges. 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 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 are:

- Diversity
- Custom Diversity
- Avoidance
- Diversity & Avoidance

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

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BY 1st R.S. #132
Public Service Commission
MISSOURI

1. DIVERSITY

Two or more channels are furnished partially or entirely over not more than two physically separated routes. 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.

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16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 CHANNEL OPTIONS (Continued)

C. 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 IOC's. 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.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per IOC			
- when installed at the same time as the IOC	EKOSF	\$29.75	None
- when installed subsequently	EKOSA	\$29.75	\$87.25

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16.2 SERVICE COMPONENTS AND RATES (Continued)

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16.2.3 CHANNEL OPTIONS (Continued)

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D. SPECIAL ROUTING OF AN ASDS (Continued)

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Example 1: The Customer has four IOCs between AT&T Central Offices A and B and specifies that IOC No. 1 be diverse from IOC No. 2. Special Routing charges will apply to IOC Nos. 1 and 2. Special Routing charges will not apply to IOC Nos. 3 and 4.

Example 2: The Customer has 4 IOCs between AT&T Central Offices A and B and specifies that IOCs Nos. 1 and 2 be diverse from IOC Nos. 3 and 4. Four Special Routing Charges apply.

	<u>USOC</u>	<u>MONTHLY CHARGE</u>
Diversity		
- per IOC		
56/64 kbps	DY7DK	\$ 35.00
128 kbps	DY7DK	\$ 66.50
256 kbps	DY7DK	\$127.00
384 kbps	DY7DK	\$179.00
512 kbps	DY7DK	\$224.00
768 kbps	DY7DK	\$314.00

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BY *1st R & 133*
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2. CUSTOM DIVERSITY

Three or more IOCs 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.

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16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 CHANNEL OPTIONS (Continued)

D. 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 IOCs, when the required service components are available. These special routing options have associated charges in addition to other applicable charges. 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 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 are:

- Diversity
- Custom Diversity
- Avoidance
- Diversity & Avoidance

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

1. DIVERSITY

Two or more channels are furnished partially or entirely over not more than two physically separated routes. 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.

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16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 CHANNEL OPTIONS (Continued)

D. SPECIAL ROUTING OF AN ASDS (Continued)

MISSOURI
Public Service Commission

2. CUSTOM DIVERSITY (Continued)

Example 1: The Customer has 3 IOCs between AT&T Central Offices A and B and specifies that each be diverse from the others. Three Custom Diversity charges apply.

Example 2: The Customer has 3 IOCs between AT&T Central Offices A and B, C and D, and specifies that each be diverse from the others. Three Custom Diversity charges apply.

- per IOC	USOC	MONTHLY CHARGE
56/64 kbps	DY7C5	\$ 79.00
128 kbps	DY7C5	\$106.00
256 kbps	DY7C5	\$158.00
384 kbps	DY7C5	\$211.00
512 kbps	DY7C5	\$264.00
768 kbps	DY7C5	\$369.00

3. AVOIDANCE

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

- per IOC	USOC	MONTHLY CHARGE
	DY7AK	\$ 70.00

4. DIVERSITY AND AVOIDANCE

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

- per IOC	USOC	MONTHLY CHARGE
	DY7BK	\$ 70.00

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16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 CHANNEL OPTIONS (Continued)

D. SPECIAL ROUTING OF AN ASDS (Continued)

Example 1: The Customer has four IOCs between AT&T Central Offices A and B and specifies that IOC No. 1 be diverse from IOC No. 2. Special Routing charges will apply to IOC Nos. 1 and 2. Special Routing charges will not apply to IOC Nos. 3 and 4.

Example 2: The Customer has 4 IOCs between AT&T Central Offices A and B and specifies that IOCs Nos. 1 and 2 be diverse from IOC Nos. 3 and 4. Four Special Routing Charges apply.

	<u>USOC</u>	<u>MONTHLY CHARGE</u>
Diversity		
- per IOC		
56/64 kbps	DY7DK	\$ 35.00
128 kbps	DY7DK	\$ 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

Three or more IOCs 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.

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16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 CHANNEL OPTIONS (Continued)

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E. SUBRATE DATA MULTIPLEXING (SDM)

The SDM office function permits the derivation of up to five 9.6 kbps digital channels from a 56/64 kbps IDC, from a 56 kbps Digital Data Local Channel equipped with the Secondary Channel Option available from Schedule 11, Section 6 of this tariff, other access, or from a channel derived from an M-24 Multiplexing Office Function (see Section 5.2.4.B preceding).

Customer-provided multiplexing equipment and access used in conjunction with an SDM office function must transmit a DS-0 signal formatted as described in Technical Publication 54075 (see Technical Publication Information, Sheet 17).

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 to this office function.

CANCELLED

- per SDM office function	USOC SD005	MONTHLY \$158.00
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MAY 16 1992

BY 1st R.S. 135

16.2.4 ANALOG MULTIPOINT CHARGE

Public Service Commission

MISSOURI

An Analog Multipoint Charge applies to ACCUNET Spectrum of Digital Services consisting of three or more analog Customer premises. The charge applies for each analog 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.

- Per termination	USOC MPC	MONTHLY CHARGE \$3.00
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SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 CHANNEL OPTIONS (Continued)

D. SPECIAL ROUTING OF AN ASDS (Continued)

2. CUSTOM DIVERSITY (Continued)

Example 1: The Customer has 3 IOCs between AT&T Central Offices A and B and specifies that each be diverse from the others. Three Custom Diversity charges apply.

Example 2: The Customer has 3 IOCs between AT&T Central Offices A and B, C and D, and specifies that each be diverse from the others. Three Custom Diversity charges apply.

	<u>USOC</u>	<u>MONTHLY CHARGE</u>
- per IOC		
56/64 kbps	DY7C5	\$ 79.00
128 kbps	DY7C5	\$106.00
256 kbps	DY7C5	\$158.00
384 kbps	DY7C5	\$211.00
512 kbps	DY7C5	\$264.00
768 kbps	DY7C5	\$369.00

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3. AVOIDANCE

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

	<u>USOC</u>	<u>MONTHLY CHARGE</u>
- per IOC	DY7AK	\$ 70.00

4. DIVERSITY AND AVOIDANCE

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

	<u>USOC</u>	<u>MONTHLY CHARGE</u>
- per IOC	DY7BK	\$ 70.00

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16.2 SERVICE COMPONENTS AND RATES (Continued)

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16.2.5 OFFICE FUNCTIONS

MISSOURI

A. TRANSFER ARRANGEMENTS

Public Service Commission

Transfer arrangements permit a Customer to transfer one channel to another or one service to another. They also enable a service to be used for alternate purposes, non-simultaneously, e.g., for voice or data transmission. Transfer 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 as specified in Section 15.3.1. Key-activated arrangements require a key and a control channel. The control channel and keys are provided by the Customer.

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Each channel connected to a transfer arrangement requires an office connection.

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1. PRIVATE LINE SERVICE TRANSFER ARRANGEMENT

BY *1st R.S. #136*

Public Service Commission

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This arrangement enables the Customer to interconnect two private line services in two different modes of operation non-simultaneously. The two 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.

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16.2 SERVICE COMPONENTS AND RATES (Continued)

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16.2.3 CHANNEL OPTIONS (Continued)

MO. PUBLIC SERVICE COMM.

E. SUBRATE DATA MULTIPLEXING (SDM)

The SDM office function permits the derivation of up to five 9.6 kbps digital channels from a 56/64 kbps IOC, from a 56 kbps Digital Data Local Channel equipped with the Secondary Channel Option available from Schedule 11, Section 6 of this tariff, other access, or from a channel derived from an M-24 Multiplexing Office Function (see Section 5.2.4.B preceding).

Customer-provided multiplexing equipment and access used in conjunction with an SDM office function must transmit a DS-0 signal formatted as described in Technical Publication 54075 (see Technical Publication Information, Sheet 17).

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 to this office function.

	<u>USOC</u>	<u>MONTHLY</u>
- per SDM office function	SD005	\$158.00

16.2.4 ANALOG MULTIPOINT CHARGE

An Analog Multipoint Charge applies to ACCUNET Spectrum of Digital Services consisting of three or more analog Customer premises.

The charge applies for each Customer premises on local channel service for which the Access Coordination Function (ACF) is provided by the Company. The monthly charge is in addition to the ACF. (CT) (CT)

	<u>USOC</u>	<u>MONTHLY CHARGE</u>	
- per analog termination	MPC	\$40.00	(CR)
- per digital termination	MPCDX	\$15.00	(NR)

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SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

16.2 SERVICE COMPONENTS AND RATES (Continued)

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16.2.3 CHANNEL OPTIONS (Continued)

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E. SUBRATE DATA MULTIPLEXING (SDM)

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The SDM office function permits the derivation of up to five 9.6 kbps digital channels from a 56/64 kbps IOC, from a 56 kbps Digital Data Local Channel equipped with the Secondary Channel Option available from Schedule 11, Section 6 of this tariff, other access, or from a channel derived from an M-24 Multiplexing Office Function (see Section 5.2.4.B preceding).

Customer-provided multiplexing equipment and access used in conjunction with an SDM office function must transmit a DS-0 signal formatted as described in Technical Publication 54075 (see Technical Publication Information, Sheet 17).

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 to this office function.

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	<u>USOC</u>	<u>MONTHLY</u>
- per SDM office function	SD005	\$158.00

FEB 12 1995

16.2.4 ANALOG MULTIPOINT CHARGE

BY DR.S.#135

Public Service Commission

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

	<u>USOC</u>	<u>MONTHLY CHARGE</u>
- per termination	MPC	\$31.15 (CR)

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Sandy Holmes, Tariff Administrator

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PRIVATE LINE SERVICES TARIFF

Section 16
2nd Revised Sheet 135
Replacing 1st Revised Sheet 135

SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 CHANNEL OPTIONS (Continued)

E. SUBRATE DATA MULTIPLEXING (SDM)

The SDM office function permits the derivation of up to five 9.6 kbps digital channels from a 56/64 kbps IOC, from a 56 kbps Digital Data Local Channel equipped with the Secondary Channel Option available from Schedule 11, Section 6 of this tariff, other access, or from a channel derived from an M-24 Multiplexing Office Function (see Section 5.2.4.B preceding).

Customer-provided multiplexing equipment and access used in conjunction with an SDM office function must transmit a DS-0 signal formatted as described in Technical Publication 54075 (see Technical Publication Information, Sheet 17).

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 to this office function.

	<u>USOC</u>	<u>MONTHLY</u>
- per SDM office function	SD005	\$158.00

16.2.4 ANALOG MULTIPOINT CHARGE

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

	<u>USOC</u>	<u>MONTHLY CHARGE</u>
- per termination	MPC	\$15.00 (CR)

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SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.3 CHANNEL OPTIONS (Continued)

E. SUBRATE DATA MULTIPLEXING (SDM)

The SDM office function permits the derivation of up to five 9.6 kbps digital channels from a 56/64 kbps IOC, from a 56 kbps Digital Data Local Channel equipped with the Secondary Channel Option available from Schedule 11, Section 6 of this tariff, other access, or from a channel derived from an M-24 Multiplexing Office Function (see Section 5.2.4.B preceding).

Customer-provided multiplexing equipment and access used in conjunction with an SDM office function must transmit a DS-0 signal formatted as described in Technical Publication 54075 (see Technical Publication Information, Sheet 17).

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 to this office function.

	<u>USOC</u>	<u>MONTHLY</u>
- per SDM office function	SD005	\$158.00

16.2.4 ANALOG MULTIPOINT CHARGE

An Analog Multipoint Charge applies to ACCUNET Spectrum of Digital Services consisting of three or more analog Customer premises. The charge applies for each analog 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.

	<u>USOC</u>	<u>MONTHLY CHARGE</u>
- per termination	MPC	\$3.00

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SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

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16.2 SERVICE COMPONENTS AND RATES (Continued)

SEP 15 1991

16.2.5 OFFICE FUNCTIONS (Continued)

MISSOURI

A. TRANSFER ARRANGEMENTS (Continued)

Public Service Commission

1. PRIVATE LINE SERVICE TRANSFER ARRANGEMENT (Continued)

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

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- Per service	XTAOC	\$29.50	None

CANCELLED

2. ANALOG LOCAL CHANNEL OR OTHER ACCESS TRANSFER ARRANGEMENTS

MAY 16 1992

(a) TRANSFER ARRANGEMENT WITH ALTERNATE DISCONNECT

BY 1st R.S. #137

Public Service Commission
MISSOURI

This arrangement permits the Customer to connect two Analog Voice Grade Local Channels or other analog access to one IOC 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.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- Per arrangement	XTAAC	\$24.50	None

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PRIVATE LINE SERVICES TARIFF

Section 16
1st Revised Sheet 136
Replacing Original Sheet 134

SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.5 OFFICE FUNCTIONS

A. TRANSFER ARRANGEMENTS

Transfer arrangements permit a Customer to transfer one channel to another or one service to another. They also enable a service to be used for alternate purposes, non-simultaneously, e.g., for voice or data transmission. Transfer 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 as specified in Section 15.3.1. Key-activated arrangements require a key and a control channel. The control channel and keys are provided by the Customer.

Each channel connected to a transfer arrangement requires an office connection.

1. PRIVATE LINE SERVICE TRANSFER ARRANGEMENT

This arrangement enables the Customer to interconnect two private line services in two different modes of operation non-simultaneously. The two 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.

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16.2 SERVICE COMPONENTS AND RATES (Continued)

SEP 15 1991

16.2.5 OFFICE FUNCTIONS (Continued)

MISSOURI

A. TRANSFER ARRANGEMENTS (Continued)

Public Service Commission

(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.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- Per arrangement	XTAWD	\$24.50	\$52.50

(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.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- Per arrangement	XTAAB	\$24.50	None

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Replacing 1st Revised Sheet 137

SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.5 OFFICE FUNCTIONS (Continued)

A. TRANSFER ARRANGEMENTS (Continued)

1. PRIVATE LINE SERVICE TRANSFER ARRANGEMENT (Continued)

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

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u> <u>CHARGE</u>
- per service	XTAOC	\$50.00 (CR)	None

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 IOC 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.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u> <u>CHARGE</u>
- per arrangement	XTAAC	\$50.00 (CR)	None

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Section 16
1st Revised Sheet 137
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SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.5 OFFICE FUNCTIONS (Continued)

A. TRANSFER ARRANGEMENTS (Continued)

1. PRIVATE LINE SERVICE TRANSFER ARRANGEMENT (Continued)

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

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per service	XTAOC	\$29.50	None

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 IOC 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.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per arrangement	XTAAC	\$24.50	None

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SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

16.2 SERVICE COMPONENTS AND RATES (Continued)

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16.2.5 OFFICE FUNCTIONS (Continued)

SEP 15 1991

A. TRANSFER ARRANGEMENTS (Continued)

MISSOURI

(d) TRANSFER ARRANGEMENT WITH ALTERNATE DISCONNECT AND INTERCEPT

Public Service Commission

This arrangement is the same as (a) preceding, but with 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 the IOC. One control channel is required for a key-activated arrangement.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- Per arrangement	36B	\$29.50	\$8.80

CANCELLED

(e) EXCLUSION ARRANGEMENT

MAY 16 1992

BY 1st R.J. #139

This arrangement permits the customer to disconnect, reconnect one or more Inter Office 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.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- Per Inter Office Channel, Analog Voice Grade Local Channel or other analog access arranged	XTAEX	\$24.50	None

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Section 16
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Replacing 1st Revised Sheet 138

SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.5 OFFICE FUNCTIONS (Continued)

A. TRANSFER ARRANGEMENTS (Continued)

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.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per arrangement	XTAWD	\$50.00 (CR)	\$52.50

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.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per arrangement	XTAAB	\$50.00 (CR)	None

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SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.5 OFFICE FUNCTIONS (Continued)

A. TRANSFER ARRANGEMENTS (Continued)

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.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per arrangement	XTAWD	\$24.50	\$52.50

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.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per arrangement	XTAAB	\$24.50	None

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SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.5 OFFICE FUNCTIONS (Continued)

A. TRANSFER ARRANGEMENTS (Continued)

3. 1 X N CHANNEL SWITCH

This arrangement permits one or more Inter Office Channels, Analog Voice Grade Local Channels or other analog access (primary channels) to be switched to one or more Inter Office 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) (1 X N Control Arrangement, as described in Section 15.3.1, or equivalent) is required to control the channel cards. 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.

RATES

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- Per Nest (capacity - 20 channel cards)	3DYXN	\$136.00	\$136.00
- Per Channel Card (capacity - one switching function)	3DYCC	\$ 22.00	None

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SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.5 OFFICE FUNCTIONS (Continued)

A. TRANSFER ARRANGEMENTS (Continued)

d. TRANSFER ARRANGEMENT WITH ALTERNATE DISCONNECT AND INTERCEPT

This arrangement is the same as a. preceding, but with 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 the IOC. One control channel is required for a key-activated arrangement.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per arrangement	36B	\$50.00 (CR)	\$8.80

e. EXCLUSION ARRANGEMENT

This arrangement permits the customer to disconnect and reconnect one or more Inter Office 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.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per Inter Office Channel, Analog Voice Grade Local Channel or other analog access arranged	XTAEX	\$50.00 (CR)	None

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SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.5 OFFICE FUNCTIONS (Continued)

A. TRANSFER ARRANGEMENTS (Continued)

d. TRANSFER ARRANGEMENT WITH ALTERNATE DISCONNECT AND INTERCEPT

This arrangement is the same as a. preceding, but with 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 the IOC. One control channel is required for a key-activated arrangement.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per arrangement	36B	\$29.50	\$8.80

e. EXCLUSION ARRANGEMENT

This arrangement permits the customer to disconnect and reconnect one or more Inter Office 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.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION CHARGE</u>
- per Inter Office Channel, Analog Voice Grade Local Channel or other analog access arranged	XTAEX	\$24.50	None

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16.2 SERVICE COMPONENTS AND RATES (Continued)

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16.2.5 OFFICE FUNCTIONS (Continued)

MISSOURI

B. ASDS SWITCH PORT

Public Service Commis.

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.

CANCELLED

1. CUSTOMER CONTROLLED RECONFIGURATION

MAY 16 1992

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 Customer's 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.

Additional details are provided in Technical Publication-PUB 54015 (see Technical Publication Information, Sheet 17).

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SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.5 OFFICE FUNCTIONS (Continued)

A. TRANSFER ARRANGEMENTS (Continued)

3. 1 X N CHANNEL SWITCH

This arrangement permits one or more Inter Office Channels, Analog Voice Grade Local Channels or other analog access (primary channels) to be switched to one or more Inter Office 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) (1 X N Control Arrangement, as described in Section 15.3.1, or equivalent) is required to control the channel cards. 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, the Company assumes no liability for damages or for (CT) credit allowances for interruption if the standby channel is not available for one Customer while activated for another.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u> <u>CHARGE</u>
- per Nest (capacity - 20 channel cards)	3DYXN	\$150.00 (CR)	\$136.00
- per Channel Card (capacity - one switching function)	3DYCC	\$ 50.00 (CR)	None
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SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.5 OFFICE FUNCTIONS (Continued)

A. TRANSFER ARRANGEMENTS (Continued)

3. 1 X N CHANNEL SWITCH

This arrangement permits one or more Inter Office Channels, Analog Voice Grade Local Channels or other analog access (primary channels) to be switched to one or more Inter Office 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) (1 X N Control Arrangement, as described in Section 15.3.1, or equivalent) is required to control the channel cards. 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.

	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u> <u>CHARGE</u>
- per Nest (capacity - 20 channel cards)	3DYXN	\$136.00	\$136.00
- per Channel Card (capacity - one switching function)	3DYCC	\$ 22.00	None

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Section 16
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SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

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16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.5 OFFICE FUNCTIONS (Continued)

B. ASDS SWITCH PORT (Continued)

2. RATES

(a) ASDS SWITCH PORT

	Speed	USOC	MONTHLY	INSTALLATION CHARGE
- Per ASDS Switch	56/64 kbps	CURCR	\$ 30.00	\$ 22.00
Port	128 kbps	CURCR	\$ 60.00	\$ 32.00
	256 kbps	CURCR	\$110.00	\$ 43.00
	384 kbps	CURCR	\$160.00	\$ 64.00
	512 kbps	CURCR	\$210.00	\$ 86.00
	768 kbps	CURCR	\$280.00	\$129.00

(b) DS1 SWITCH PORT

When a DS1 Switch Port is required, the rates as specified in
Section 5.2.4.D preceding apply.

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SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.5 OFFICE FUNCTIONS (Continued)

B. ASDS SWITCH PORT

This office function provides electronic cross connection of DSO Channels to provide Customer Controlled Reconfiguration as follows:

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

1. 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 Customer's 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.

Additional details are provided in Technical Publication-PUB 54015 (see Technical Publication Information, Sheet 17).

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SECTION 16 - ACCUNET SPECTRUM OF DIGITAL SERVICES

16.2 SERVICE COMPONENTS AND RATES (Continued)

16.2.5 OFFICE FUNCTIONS (Continued)

B. ASDS SWITCH PORT (Continued)

2. RATES

a. ASDS SWITCH PORT

	<u>Speed</u>	<u>USOC</u>	<u>MONTHLY</u>	<u>INSTALLATION</u> <u>CHARGE</u>
- per ASDS Switch	56/64 kbps	CURCR	\$ 30.00	\$ 22.00
Port	128 kbps	CURCR	\$ 60.00	\$ 32.00
	256 kbps	CURCR	\$110.00	\$ 43.00
	384 kbps	CURCR	\$160.00	\$ 64.00
	512 kbps	CURCR	\$210.00	\$ 86.00
	768 kbps	CURCR	\$280.00	\$129.00

b. DS1 SWITCH PORT

When a DS1 Switch Port is required, the rates as specified
in Section 5.2.4.D preceding apply.

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Section 18
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SECTION 18 - ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS **RECEIVED**

18.1 GENERAL

SEP 15 1991

This section contains the rates and regulations for Additional Administrative and Operational Functions that may apply 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 the Customer. **MISSOURI Public Service Commission**

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 the following:

AT&T is responsible for engineering, operating and maintaining the private line services it provides. It is also responsible for the quality of transmission or signaling on private line services it provides.

18.2 FUNCTIONS AND CHARGES

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18.2.1 TESTING FUNCTIONS

MAY 16 1992

At the Customer's request, AT&T will review test results and participate with the Customer in a design review, test analysis or testing. **BY 1st R-S #144 Missouri Public Service Commission**

A. REVIEW OF OTHER ACCESS TEST RESULTS

At the Customer's request, AT&T will review the results of tests of a 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 Customer-provided access.

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SECTION 18 - ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS **RECEIVED**

18.2 FUNCTIONS AND CHARGES (Continued)

SEP 15 1991

18.2.1 TESTING FUNCTIONS (Continued)

MISSOURI

A. REVIEW OF OTHER ACCESS TEST RESULTS (Continued)

Public Service Commission

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

	<u>USOC</u>	<u>CHARGE</u>
- Per person, first half hour or fraction thereof	NRZT1	\$101.00
- Per person, each additional half hour or fraction thereof	NRZT2	\$ 55.00

B. SPECIAL PARTICIPATIVE DESIGN REVIEW, TECHNICAL ANALYSIS AND TESTING

CANCELLED

At the Customer's request, AT&T will participate with the Customer in Special Participative Design Review, Technical Analysis and Testing.

MAY 16 1992

BY *let R.S. 145*

Public Service Commission
MISSOURI

This function provides the Customer with design review, technical analysis and testing of an assembly consisting of a private line service and a Customer-provided access or channels obtained through the use of channel derivation equipment.

	<u>USOC</u>	<u>CHARGE</u>
- Per person, per half hour or fraction thereof	NRZTD	\$101.00
- Per person, each additional half hour or fraction thereof	NRZTE	\$ 55.00

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PRIVATE LINE SERVICES TARIFF

Section 18
1st Revised Sheet 144
Replacing Original Sheet 142

SECTION 18 - ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

18.1 GENERAL

This section contains the rates and regulations for Additional Administrative and Operational Functions that may apply 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 the 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 the following:

AT&T is responsible for engineering, operating and maintaining the private line services it provides. It is also responsible for the quality of transmission or signaling on private line services it provides.

18.2 FUNCTIONS AND CHARGES

18.2.1 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.

A. REVIEW OF OTHER ACCESS TEST RESULTS

At the Customer's request, AT&T will review the results of tests of a 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 Customer-provided access.

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SECTION 18 - ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS **RECEIVED**

18.2 FUNCTIONS AND CHARGES (Continued)

SEP 15 1991

18.2.1 TESTING FUNCTIONS (Continued)

MISSOURI
Public Service Commission

C. CUSTOMER DIRECTED PARTICIPATIVE TESTING

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

1. Charges for testing activity performed within a given month on an assembly which contains a local channel service furnished to the same Customer are:

	<u>USOC</u>	<u>CHARGE</u>
- Per person, per half hour or fraction thereof	NRZTF	\$ 32.00

2. 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:

	<u>USOC</u>	<u>CHARGE</u>
- For each bill rendered	NRZTB	\$ 45.50
- For each service in an assembly which has been tested and designated by the Customer to be included in a given bill	NRZTG	\$ 11.00

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18.2.2 ADDITIONAL INSTALLATION/MAINTENANCE FUNCTIONS

BY Lot R.S. #146

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

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PRIVATE LINE SERVICES TARIFF

Section 18
1st Revised Sheet 145
Replacing Original Sheet 143

SECTION 18 - ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

18.2 FUNCTIONS AND CHARGES (Continued)

18.2.1 TESTING FUNCTIONS (Continued)

A. REVIEW OF OTHER ACCESS TEST RESULTS (Continued)

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

	<u>USOC</u>	<u>CHARGE</u>
- Per person, first half hour or fraction thereof	NRZT1	\$101.00
- Per person, each additional half hour or fraction thereof	NRZT2	\$ 55.00

B. SPECIAL PARTICIPATIVE DESIGN REVIEW, TECHNICAL ANALYSIS AND TESTING

At the Customer's request, AT&T will participate with the Customer in Special Participative Design Review, Technical Analysis and Testing.

This function provides the Customer with design review, technical analysis and testing of an assembly consisting of a private line service and a Customer-provided access or channels obtained through the use of channel derivation equipment.

	<u>USOC</u>	<u>CHARGE</u>
- Per person, first half hour or fraction thereof	NRZTD	\$101.00
- Per person, each additional half hour or fraction thereof	NRZTE	\$ 55.00

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18.2 FUNCTIONS AND CHARGES (Continued)

18.2.2 ADDITIONAL INSTALLATION/MAINTENANCE FUNCTIONS (Continued)

MISSOURI
Public Service Commission

A. OVERTIME INSTALLATION

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

B. STAND-BY

Retention, at the Customer's request, of installation/maintenance personnel at the AT&T Central Office after completion of normal testing appropriate to the installation or repair of the private line service being provided. Additional Installation/Maintenance charges apply for all time in excess of 1/2 hour in such cases.

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MAY 16 1992

BY *let R.S. #147*
Public Service Commission
MISSOURI

C. RATES

The rates for performing Additional Installation/Maintenance Functions are as follows:

	<u>USOC</u>	<u>CHARGE</u>
During normal working hours ¹ , per person		
- First half hour or fraction thereof	NRZMN	\$77.50
- Each additional half hour or fraction thereof	NRZM1	\$32.00
Outside of normal working hours ² , per person		
- First half hour or fraction thereof	NRZMO	\$82.00
- Each additional half hour or fraction thereof	NRZM2	\$36.50

NOTE 1: Normal working hours are: normally scheduled working hours for technicians.

NOTE 2: Outside of normal working hours are: other than normally scheduled working hours continuous with the employee's working period on a scheduled work day for the technician.

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PRIVATE LINE SERVICES TARIFF

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Original Sheet 146
Replacing Original Sheet 144

SECTION 18 - ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

18.2 FUNCTIONS AND CHARGES (Continued)

18.2.1 TESTING FUNCTIONS (Continued)

C. CUSTOMER DIRECTED PARTICIPATIVE TESTING

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

1. Charges for testing activity performed within a given month on an assembly which contains a local channel service furnished to the same Customer are:

	<u>USOC</u>	<u>CHARGE</u>
- Per person, first half hour or fraction thereof	NRZTF	\$ 32.00

2. 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:

	<u>USOC</u>	<u>CHARGE</u>
- For each bill rendered	NRZTB	\$ 45.50
- For each service in an assembly which has been tested and designated by the Customer to be included in a given bill	NRZTG	\$ 11.00

18.2.2 ADDITIONAL INSTALLATION/MAINTENANCE FUNCTIONS

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

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18.2 FUNCTIONS AND CHARGES (Continued)

18.2.2 ADDITIONAL INSTALLATION/MAINTENANCE FUNCTIONS (Continued)

MISSOURI
Public Service Commission

C. RATES (Continued)

When personnel are called out to provide Additional Installation/Maintenance Functions during a previously excused work period which is not continuous with the employee's work period, a minimum charge of four (4) hours applies.

18.2.3 ADDITIONAL ENGINEERING FUNCTIONS

A. PROVISION OF ADDITIONAL ENGINEERING

AT&T will provide the following Additional Engineering Functions when ordered by the Customer. Additional engineering will only be provided when:

1. A Customer requests additional technical information after AT&T has already provided the technical information normally included in the Design Layout Report (see Provision of a Design Layout Report, Section 18.2.6, following).
2. 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.

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PRIVATE LINE SERVICES TARIFF

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SECTION 18 - ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

18.2 FUNCTIONS AND CHARGES (Continued)

18.2.2 ADDITIONAL INSTALLATION/MAINTENANCE FUNCTIONS (Continued)

A. OVERTIME INSTALLATION

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

B. STAND-BY

Retention, at the Customer's request, of installation/maintenance personnel at the AT&T Central Office after completion of normal testing appropriate to the installation or repair of the private line service being provided. Additional Installation/Maintenance charges apply for all time in excess of 1/2 hour in such cases.

C. RATES

The rates for performing Additional Installation/Maintenance Functions are as follows:

	<u>USOC</u>	<u>CHARGE</u>
During normal working hours ¹ , per person		
- First half hour or fraction thereof	NRZMN	\$77.50
- Each additional half hour or fraction thereof	NRZM1	\$32.00
Outside of normal working hours ² , per person		
- First half hour or fraction thereof	NRZMO	\$82.00
- Each additional half hour or fraction thereof	NRZM2	\$36.50

NOTE 1: Normal working hours are: normally scheduled working hours for technicians.

NOTE 2: Outside of normal working hours are: other than normally scheduled working hours continuous with the employee's working period on a scheduled work day for the technician.

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18.2 FUNCTIONS AND CHARGES (Continued)

SEP 15 1991

18.2.3 ADDITIONAL ENGINEERING FUNCTIONS (Continued)

MISSOURI

B. RATES

Public Service Commission

	<u>USOC</u>	<u>CHARGE</u>
During normal working hours ¹ , per person		
- First half hour or fraction thereof	NRZEN	\$83.00
- Each additional half hour or fraction thereof	NRZE1	\$37.75
Outside of normal working hours ² , per person		
- First half hour or fraction thereof	NRZE0	\$87.00
- Each additional half hour or fraction thereof	NRZE2	\$41.50

NOTE 1: Normal working hours are: normally scheduled working hours for the technician.

NOTE 2: Outside of normal working hours are: other than normally scheduled working hours continuous with the employee's work period on a scheduled work day for the technician.

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18.2 FUNCTIONS AND CHARGES (Continued)

18.2.2 ADDITIONAL INSTALLATION/MAINTENANCE FUNCTIONS (Continued)

C. RATES (Continued)

When personnel are called out to provide Additional Installation/Maintenance Functions during a previously excused work period which is not continuous with the employee's work period, a minimum charge of four (4) hours applies.

18.2.3 ADDITIONAL ENGINEERING FUNCTIONS

A. PROVISION OF ADDITIONAL ENGINEERING

AT&T will provide the following Additional Engineering Functions when ordered by the Customer. Additional engineering will only be provided when:

1. A Customer requests additional technical information after AT&T has already provided the technical information normally included in the Design Layout Report (see Provision of a Design Layout Report, Section 18.2.6, following).
2. 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.

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18.2 FUNCTIONS AND CHARGES (Continued)

SEP 15 1991

18.2.4 PRIORITY PROVISIONING/RESTORATION CHARGES

MISSOURI
Public Service Commission

A. RESTORATION PRIORITY CHANGE

Upon receipt of certification in conformance with the Federal Communications Commission's Rules and Regulations which specify the priority system for restoration of Channel Services, the Company will change the priority designation of a Channel Service. The Restoration Priority Change Charge applies when the customer requests a change in the Restoration Priority after the service has been established or after the service has been ordered, but prior to start of service. No charge applies when the Restoration Priority certification is provided with the order to establish the service or when a Restoration Priority is discontinued.

	<u>USOC</u>	<u>Service Charge</u>
- Per channel service	NRZRS	\$117.00

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B. (RESERVED FOR FUTURE USE)

18.2.5 DESIGN CHANGE CHARGE

MAY 16 1992
BY 1st R.S. #150

A Design Change charge applies each time a Customer Requests a change of an order that results in a change in the design, operation or function of the 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. **Public Service Commission**
MISSOURI

	<u>USOC</u>	<u>CHARGE</u>
- Per design change, for each service	NRZDC	\$128.00

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SECTION 18 - ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

18.2 FUNCTIONS AND CHARGES (Continued)

18.2.3 ADDITIONAL ENGINEERING FUNCTIONS (Continued)

B. RATES

	<u>USOC</u>	<u>CHARGE</u>
During normal working hours ¹ , per person		
- First half hour or fraction thereof	NRZEN	\$83.00
- Each additional half hour or fraction thereof	NRZE1	\$37.75
Outside of normal working hours ² , per person		
- First half hour or fraction thereof	NRZEO	\$87.00
- Each additional half hour or fraction thereof	NRZE2	\$41.50

NOTE 1: Normal working hours are: normally scheduled working hours for the technician.

NOTE 2: Outside of normal working hours are: other than normally scheduled working hours continuous with the employee's work period on a scheduled work day for the technician.

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18.2 FUNCTIONS AND CHARGES (Continued)

SEP 15 1991

18.2.6. PROVISION OF A DESIGN LAYOUT REPORT

MISSOURI

Public Service Commission

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. 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 a 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 of transmission medium (e.g., terrestrial, satellite) used to provide the Interoffice Channel,
- The expected measured loss,
- The expected impedance at the demarcation point,
- Use of echo control, and
- Type signaling used (e.g., E&M).

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$$\begin{array}{c} (\text{RT}) \\ | \\ (\text{RT}) \end{array}$$

NOTE 1: Restoration Priority has been superseded by Telecommunications Service Priority (TSP) System as set forth in 18.2.4.B. For 30 months, RP & TSP will both be in effect, but no new assignments of RP will be allowed. The existing RP services will be honored and maintained during the 30 month interim between the Initial Operating Capability (IOC) and Full Operating Capability (FOC) of TSP. No order for changes to existing RP circuits will be accepted without a TSP Authorization Code or a definitive statement to remove the RP assignment. AT FOC, the Company will remove all RP assignments that have not been converted to TSP or discontinued.

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PRIVATE LINE SERVICES TARIFF

Section 18
1st Revised Sheet 150
Replacing Original Sheet 148

SECTION 18 - ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

18.2 FUNCTIONS AND CHARGES (Continued)

18.2.4 PRIORITY PROVISIONING/RESTORATION CHARGES

A. RESTORATION PRIORITY CHANGE

Upon receipt of certification in conformance with the Federal Communications Commission's Rules and Regulations which specify the priority system for restoration of Private Line Services, the Company will change the priority designation of a Private Line Service. The Restoration Priority Change Charge applies when the Customer requests a change in the Restoration Priority after the service has been established or after the service has been ordered, but prior to start of service. No charge applies when the Restoration Priority certification is provided with the order to establish the service or when a Restoration Priority is discontinued.

	<u>USOC</u>	<u>Service Charge</u>	
- Per Private Line service	NRZRS	\$117.00	(CT)

B. (RESERVED FOR FUTURE USE)

18.2.5 DESIGN CHANGE CHARGE

A Design Change charge applies each time a Customer requests a change of an order that results in a change in the design, operation or function of the 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.

	<u>USOC</u>	<u>Service Charge</u>
- Per design change, for each service	NRZDC	\$128.00

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SECTION 18 - ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS **RECEIVED**

18.2 FUNCTIONS AND CHARGES (Continued)

SEP 15 1991

18.2.6. PROVISION OF A DESIGN LAYOUT REPORT (Continued)

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A. CHARGES

USOC CHARGE

- Per private line service

NRZD1 \$28.00

When the Design Layout Report is ordered subsequent to an order to install or rearrange the service, an additional Administrative Charge applies for each order.

- Administrative charge

NRZDL \$97.75

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SECTION 18 - ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

18.2 FUNCTIONS AND CHARGES (Continued)

18.2.4 PRIORITY PROVISIONING/RESTORATION CHARGES (Continued)

B. TELECOMMUNICATIONS SERVICE PRIORITY (TSP) PROVISIONING/RESTORATION
PRIORITY CHARGES

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.

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

	<u>USOC</u>	<u>CHARGE</u>
- per service for TSP provisioning priority	NRZPP	\$400.00

2. When an order for a TSP restoration priority is received, the following monthly and nonrecurring charges apply.

	<u>USOC</u>	<u>MONTHLY CHARGE</u>	<u>CHARGE</u>
- per service for TSP restoration priority	RSPER	\$9.00	\$235.00

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

	<u>USOC</u>	<u>CHARGE</u>
- per service for TSP restoration priority level change	NRZRS	\$35.00

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Section 18
Original Sheet 150.2

SECTION 18 - ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

18.2 FUNCTIONS AND CHARGES (Continued)

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18.2.4 PRIORITY PROVISIONING/RESTORATION CHARGES (Continued)

B. TELECOMMUNICATIONS SERVICE PRIORITY (TSP) PROVISIONING/RESTORATION
PRIORITY CHARGES (Continued)

4. When special construction is necessary, the provisions and charges as set forth in 2.6.6.C. preceding will also apply.
5. When a restoration priority is discontinued, no charge will apply.

18.2.5 DESIGN CHANGE CHARGE

(MT)

A Design Change charge applies each time a Customer requests a change of an order that results in a change in the design, operation or function of the 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.

	<u>USOC</u>	<u>CHARGE</u>	
- per design change, for each service	NRZDC	\$128.00	(MT)

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Section 18
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SECTION 18 - ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

18.2 FUNCTIONS AND CHARGES (Continued)

18.2.6 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. 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 a 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 of transmission medium (e.g., terrestrial, satellite) used to provide the Interoffice Channel,
- The expected measured loss,
- The expected impedance at the demarcation point,
- Use of echo control, and
- Type signaling used (e.g., E&M).

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Section 18
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SECTION 18 - ADDITIONAL ADMINISTRATIVE AND OPERATIONAL FUNCTIONS

18.2 FUNCTIONS AND CHARGES (Continued)

18.2.6 PROVISION OF A DESIGN LAYOUT REPORT (Continued)

A. CHARGES

USOC CHARGE

- Per private line service

NRZDI \$28.00

When the Design Layout Report is ordered subsequent to an order to install or rearrange the service, an additional Administrative Charge applies for each order.

- Administrative charge

NRZDL \$97.75

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