

GENERAL REGULATIONS**A. General**

1. Effective May 10, 2006, the Term Pricing Plan (TPP) associated with Channel Services is completely withdrawn.
2. In addition to the regulations set forth in this and other Company guidebooks, additional regulations are set forth throughout this Section.
3. Channels are classified by series and further classified within each series by types. The various series and types are described in terms of circuit characteristic and/or use.
4. The customer is responsible for the selection of the service, i.e., type of circuit signaling options, jacks and terminating interfaces required to meet his needs. The customer premises equipment, station apparatus and premises wiring must be compatible with the service provided by the Company. The Company has overall responsibility for the Private Line Service up to and including the Demarcation Point, including the selection of all local channels.
5. Exchange rates, rules and regulations apply for the exchange portion of the total service when Private Line Services are used in connection with or are connected to Exchange Services.
6. Intraexchange services provided under this guidebook shall be used by channel customers for use in obtaining end-to-end channel services. Interexchange carriers may use intraexchange services found in this guidebook that will meet their administrative needs; however, an Interexchange Carrier is restricted from utilizing intraexchange services found in this guidebook to furnish a portion of their authorized service offerings.
7. When the number of channel services used in connection with extensions and/or tie lines is such that dedicated cable facilities are required, and the distance between the customer's buildings does not exceed more than 1/10 mile, such cable facilities may be provided specially for the customer's use and not as a part of the Company's general distributing plant, at charges based upon cost in lieu of guidebook charges, where to do so will result in lower charges to the customer.^{/1/}

When it is feasible to connect buildings by the use of channels obtained from a cable for which carrying charges are paid to the Company, the regular guidebook charges do not apply.^{/1/}

8. Rates and charges for special construction will be provided as set forth in FCC Tariff No. 69. Special construction rates and charges are in addition to rates and charges for channel service in this guidebook.

^{/1/} Obsolete - applicable to existing installations at existing locations for existing customers.

GENERAL REGULATIONS (cont'd)**A. General (cont'd)**

9. Upon receipt of certification in conformance with Part 64, Subpart D, Appendix A of the Federal Communications Commission's Rules and Regulations which specifies 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.

Nonrecurring
Charge

Per channel service	\$34.00
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10. If the customer requests a duplicate copy of the customer's bill after the bill has been printed during the normal billing cycle, a charge of \$3.00 will apply per bill for the first fifteen pages. For sixteen or more pages, an additional \$.05 per page will apply.
11. If a single demarcation point for other Company provided services is established at a minimum point of entry, all current Two-Point Service (offered in this section) beyond that newly established demarcation point will be discontinued.

SPECIAL SIGNALING SERVICE – SERIES 100**A. General**

These channels are suitable for use with two-point service within the same LATA and are provided for use with customer-provided power and signaling equipment and other special signaling services.

It is expressly declared that metallic interoffice service components for this type of service are in continually decreasing supply, and the Company is not obligated to continue to make such additional service components available.

Those local distribution channels used to provide a transmission path to connect with customer premises equipment (CPE) at a premises are defined in terms of electrical interfaces.

Interconnection protection criteria and regulations as described in paragraph F. in Part 15, Section 1 shall apply.

The types of local distribution channels offered for termination at a premises for termination in customer premises equipment and systems are as follows:

Type 101 - Transmission Characteristics in paragraph C., following

Type 102 - Transmission Characteristics in paragraph C., following

B. Types of Offerings

Type 101 and Type 102 services are provided on a two-point basis only.

C. Transmission Characteristics

Transmission characteristics of Types 101 and 102 are as follows:

1. Type 101 service has a two-wire interface with two-wire service components suitable for use with direct current transmission (metallic continuity). Customers may order two, two-wire services to achieve four-wire service.

Transmission specifications and limitations are described in the Bell System Technical Reference on the transmission specification for Private Line metallic circuits which include the following:

Current applied by CPE - AC and DC components per conductor, not to exceed .150 amperes rms.

Magnitude of the peak of the voltage between any conductor and ground, not to exceed 70.7 volts except continuous DC voltage not to exceed 135 volts.

2. Type 102 service has a two-wire interface with two-wire service components suitable for low-speed, unidirectional series-operated signaling and may be implemented by either metallic channels or by other means at the Company's option. If provided by other means, the transmission specifications are described in a Company Technical Reference for low-speed signaling channels.

SPECIAL SIGNALING SERVICE – SERIES 100 (cont'd)**D. Rates^{/1/}**

	<u>USOC</u>	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>
1. Local Distribution Channel, each			
Type 101	1DAJX	\$20.00	\$410.00
Type 102.....	1DAKX	39.00	410.00
2. Interoffice Channel, Each V-H mile or fraction thereof, per channel		Monthly <u>Rate</u>	
	<u>USOC</u>	<u>Fixed</u> <u>Per Mile</u>	Nonrecurring <u>Charge</u>
Type 101.....	JZ6JS	\$30.00	\$4.00
Type 102.....	JZ6KS	30.00	4.00
3. Enclosed Passageway			
Service between premises not more than one mile apart which are connected by an enclosed passageway.			
Local channel, each, per first termination on a premises: ^{/2/}			
	<u>USOC</u>	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>
Type 101.....	1L3Q2 1LMC2	\$6.25	\$37.00

^{/1/} Effective May 10, 2006, 3-Year Rates are completely withdrawn.^{/2/} Obsolete - applicable to existing installations at existing locations for existing customers.

SPECIAL SIGNALING SERVICE – SERIES 100 (cont'd)**D. Rates (cont'd)**

4. Two-Point Service

	<u>USOC</u>	Monthly Rate	Nonrecurring Charge
a. Different buildings same premises, each, per 1/10 mile ^{/1,2,3/}			
Type 101	1L3QE 1LMCE	\$3.00	\$87.20
Minimum charge		9.00	87.20
b. Same building ^{/1,2/}			
Type 101	1L3QB 1LMCB	9.00	87.20
c. Different premises within same building ^{/2/}			
Type 101	1LMFC 1LLSC	9.00	87.20
d. Each additional point of termination in same building or a., b., or c. preceding ^{/1,2,4/}			
Type 101	1L3QC 1LMCC	3.00	25.00

/1/ Obsolete - applicable to existing customers at existing locations for existing facilities that existed prior to January 1, 1984. Additional cable pairs may be leased by the customer as provided in Part 20, Section 2 (see *Maintenance and Provisioning of Intrabuilding Cable*), only where spare pair facilities are available in the existing cable.

/2/ Nonrecurring charge applies per point of termination installed or moved.

/3/ When associated with key equipment, no charge is applicable for the first 1/10 (1L3Q1) mile connection with residence extension lines and the first 5/10 mile in connection with business extension lines.

/4/ Limited to one additional point of termination per on-premises channel.

SUB-VOICE GRADE SERVICE – SERIES 200**A. General**

Sub-Voice Grade service provides, and is designed for transmission of low speed data at rates up to 75 and up to 150 baud within certain technical specifications. These channels are furnished for half-duplex and duplex operation. The service is not suitable for the transmission of alternating current tones.

The types of local distribution channels and the transmission characteristics offered for termination at a premises for termination in customer premises equipment and systems are as follows:

Type 250 An interface engineered for binary signals at rates up to 75 baud, 20 ± 1 or 62.5 ± 2.5 milliamperes neutral signals^{/1}. The terminal equipment shall deliver no more than 8 percent telegraph distortion and shall be capable of processing received data signals with up to 35 percent telegraph distortion.

Type 251 E1A standard RS232C type interface engineered for binary signals at rates up to 150 baud and the terminal equipment shall deliver no more than 5 percent telegraph distortion and shall be capable of processing received data signals with up to 40 percent telegraph distortion.

Type 250 and Type 251 channels are furnished for teletypewriter, data, supervisory control and miscellaneous signaling use.

B. Transmission Characteristics

Parameters and Specifications for Sub-Voice Grade Local Distribution Channels used with Customer Premises Equipment (CPE), as specified in A. above.

<u>Basic Parameters</u>	<u>Specification or Limit</u>
Channel Signals	Local Distribution Channels used with CPE - as specified in paragraph A. above. Note the specifications of channel signals refer to the requirement of the total service offering and not the individual local distribution channel.
Channel Distortion	Local Distribution Channels used with CPE - as specified in paragraph A. above. Note that the specifications for channel distortion refer to the requirement of the total service offering and not the total service offering and not the individual local distribution channel.
Power Requirement	For up to 75 Baud Type - Where the Company provides transmission equipment at the interface. Customer must provide a source of continuous 117 volt, 60 Hz ac power by means of a nonswitched outlet. For up to 150 Baud - Customer must in all cases provide a source of continuous 117 volt, 60 Hz ac power, nonswitched outlet. The Company will in all cases supply all voltage and current adjustments to the local distribution channel.

/1/ The Company has the option of providing 20 or 62.5 milliamperes and will notify the customer of the current level to be supplied. The Company will supply the line voltage and provide for the current adjustment. The maximum open circuit voltage across the send data leads at the interface will not exceed 270 volts.

SUB-VOICE GRADE SERVICE – SERIES 200 (cont'd)**C. Rates^{/1/}**

	<u>USOC</u>	Half Duplex Monthly Rate	Duplex Monthly Rate	Nonrecurring Charge
1. Local Distribution Channel, each				
Type 250	1DALX,1DAMX	\$35.00	\$47.00	\$450.00
Type 251	1DANX,1DAOS	35.00	47.00	450.00
2. Interoffice Channel, Each V-H mile or fraction thereof, per channel				
	<u>USOC</u>	Half Duplex Monthly Rate	Duplex Monthly Rate	Nonrecurring Charge
		<u>Fixed</u>	<u>Per Mile</u>	<u>Fixed</u>
Type 250	JZ6LS,JZ6MS	\$30.00	\$4.00	\$30.00
Type 251	JZ6NS,JZ6OS	30.00	4.00	\$4.00
			<u>Per Mile</u>	<u>Charge</u>
				None
				None

^{/1/} Effective May 10, 2006, 3-Year Rates are completely withdrawn.

SUB-VOICE GRADE SERVICE – SERIES 200 (cont'd)**C. Rates (cont'd)**

3. Two-Point Service

	<u>USOC</u>	Monthly Rate	Nonrecurring Charge
a. Different buildings, same premises, per 1/10 mile ^{/1,2/}			
			HALF DUPLEX
Type 250	1LYDE, 1L3AE 1L6BE, 1LMFE	\$2.65	\$87.20
Minimum charge		7.90	87.20
DUPLEX			
Type 250	1LYKE, 1L3CE 1L6DE, 1LMDE	5.75	87.20
Minimum charge		15.80	87.20
HALF DUPLEX			
Type 251	1LYDE, 1L3AE 1L6BE, 1LMFE	2.65	87.20
Minimum charge		7.90	87.20
DUPLEX			
Type 251	1LYKE, 1L3CE 1L6DE, 1LMDE	5.75	87.20
Minimum charge		15.80	87.20
b. Same building ^{/1,2/}			
HALF DUPLEX			
Type 250	1LYDB, 1L3AB 1L6BB, 1LMFB	8.85	87.20
DUPLEX			
Type 250	1LYKB, 1L3CB 1L6DB, 1LMDB	17.50	87.20

/1/ Obsolete - applicable to existing customers at existing locations for existing facilities that existed prior to January 1, 1984. Additional cable pairs may be leased by the customer, as provided in Part 20, Section 2 (see *Maintenance and Provisioning of Intrabuilding Cable*), only where spare pair facilities are available in the existing cable.

/2/ Nonrecurring charge applies per point of termination installed or moved.

SUB-VOICE GRADE SERVICE – SERIES 200 (cont'd)**C. Rates (cont'd)**

3. Two-Point Service (cont'd)

	<u>USOC</u>	Monthly Rate	Nonrecurring Charge
b. Same building^{/1,2/} (cont'd)			
			HALF DUPLEX
Type 251	1LYDB, 1L3AB 1L6BB, 1LMFB	\$8.85	\$87.20
DUPLEX			
Type 251	1LYKB, 1L3CB 1L6DB, 1LMDB	17.50	87.20
c. Different premises within same building			
		HALF DUPLEX and DUPLEX	
		Equivalent to Type 101	
d. Each additional point of termination in same building for two-point service in a., b., or c.			
			^{/3,4/} HALF DUPLEX
Type 250	W9P	2.65	25.00
DUPLEX			
Type 250	WAP	5.25	25.00

/1/ Obsolete - applicable to existing customers at existing locations for existing facilities that existed prior to January 1, 1984. Additional cable pairs may be leased by the customer, as provided in Part 20, Section 2 (see *Maintenance and Provisioning of Intrabuilding Cable*), only where spare pair facilities are available in the existing cable.

/2/ Nonrecurring charge applies per point of termination installed or moved.

/3/ Maximum of three terminations on the same premises for Type 250 and no additional terminations for Type 251.

/4/ Obsolete – applicable to existing installations at existing locations for existing customers.

VOICE GRADE SERVICE – SERIES 300**A. Description of Services**

Series 300 channels for voice grade service are furnished for half duplex (voice or data use) and duplex (data use) operations for oral communications, and data communications which operate within certain technical specifications. Unless expressly provided for elsewhere, these are the only channels provided for voice grade transmission. The various types of channels which are offered for termination in terminal equipment and systems provided on a customer or authorized user premises are as follows^{/1}:

Type 311: Furnished for voice transmission, intercommunication line, supervisory control use, or Duress Warning use^{/2}

B. Enclosed Passageway

Service between premises not more than one mile apart which are connected by an enclosed passageway.

Local channel, each, per first termination on a premises:^{/2}

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Type 311	1LPJ2	\$9.70	\$37.00

/1/ Available signaling options required to arrange Series 300 channels for suitable signaling are available at charges found in Signaling described later in this Section.

/2/ Obsolete - applicable to existing installations at existing locations for existing customers.

VOICE GRADE SERVICE – SERIES 300 (cont'd)

C. Two-point Service

1. Different building, same premises channels:^{1,3/}

		Monthly Rate		
	<u>USOC</u>	Per 1/10th	Minimum Charge	Nonrecurring Charge
Type 311.....	1LLUE	\$2.65	\$7.90	\$87.20
	1LPJE			
	1L1OE			
	1L3AF			

	<u>USOC</u>	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>
Residence Extension Lines ^{/2,4/}			
First 1/10 mile	1LLJE, 1LVJE	None	\$87.20
Each additional 1/10 mile	1LLBE	\$2.35	None
Business Extension Lines ^{/2,5/}			
First 1/2 mile	1LLJC	None	87.20
Each additional 1/2 mile	1LLBC, 1LVDE	11.60	None

2. Same building channels:^{1,2}

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Type 311.....	1LLUB 29H 1L3AB	\$7.90	\$87.20

3. Different premises within the same building

4. Each additional point of termination in same building for 1., 2., or 3. preceding: ^{/3/}

Type 311..... EZ6 \$2.65 \$25.00
4SE
.15Y

/1/ Obsolete - applicable to existing customers at existing locations for existing facilities that existed prior to January 1, 1984. Additional cable pairs may be leased by the customer, as provided in Part 20, Section 2 (see *Maintenance and Provisioning of Intrabuilding Cable*), only where spare pair facilities are available in the existing cable.

/2/ Nonrecurring charge applies per point of termination installed or moved.

/3/ Obsolete – applicable to existing installations at existing locations for existing customers.

/4/ In connection with residence service, no mileage charge applies for extension lines serving the same domestic establishment where the locations are within the base rate area.

/5/ In connection with business service, mileage charges apply whether inside or outside the base rate area.

VOICE GRADE SERVICE – SERIES 400**A. General**

Series 400 local distribution channels are furnished for use as the customer elects and operate within certain technical specifications. The various types and the transmission characteristics of local distribution channels which are offered for termination at a premises for connection to customer premises equipment and systems are as set forth following:

Type 414B Furnished for tie line use, between a customer premises PBX (or similar) switching system and a customer's Plexar® arrangement when the switching system is located in a Company central office. E&M signaling is included in the local distribution channel.

Type 414C Furnished for tie line use, between two customer Plexar arrangements when both switching systems are located in a Company central office.

Type 415^{/1/} Furnished for voice transmission in the same serving office as the primary service, off-premises extension (non-PBX) and off-premises Plexar (with switching equipment located on Company premises) station and/or extension station use; also for Telephone Answering Service use. In addition, a Type 415 meets the following technical specifications:

A two-wire interface with effective two-wire facilities engineered for 1000 Hz net loss of 6dB, loop signaling is included in the local distribution channel.

Type 420 A four-wire interface with four-wire service components engineered for 1000 Hz net loss of 16dB. Normally suitable for use as a full duplex data channel.^{/2/}

Type 422 A two-wire interface with effective two-wire service components engineered for a 1000 Hz net loss of 16dB. Normally suitable for use as a half duplex data channel.^{/2/}

Type 423 A two-wire interface with effective two-wire service components engineered for a 1000 Hz net loss of up to 10dB for two-point service and up to 20dB for multipoint service. Furnished for two-point or multipoint voice transmission, Private Line voice or intercommunication line or supervisory control use. Limited to five (5) local distribution channels on multipoint service where two-way communication is required.^{/3/}

Type 424 A two-wire or four-wire interface with effective four-wire service components engineered to VLN design specifications for tie line use. Normally suitable for use as a tie line between two premises PBX (or similar) switching systems.

Type 425 A four-wire interface with four-wire service components engineered for a 1000 Hz net loss of 16dB. Normally suitable for use as a voice channel.

/1/ Type 415 rates and charges and additional regulations are specified in Part 4, Section 3.

/2/ Type 420 through Type 423 local distribution channels are not suitable for, nor can they be used for, switching and/or tandem operations to the switched network or other private line services.

/3/ Type 423 local distribution channels are not suitable for, nor can they be used for, switching and/or tandem operations to the switched network or other private line services.

VOICE GRADE SERVICE – SERIES 400 (cont'd)**A. General (cont'd)**

Type 428 A two-wire interface with effective two-wire service components engineered for a 1000 Hz net loss of VLN +4dB. Normally suitable for use to provide an off-premises main or extension station of a premises PBX (or similar) switching system. Additional signaling arrangements may be required.

Type 435 A two-wire interface with four-wire service components engineered for a 1000 Hz net loss of 16dB. Normally suitable for use as a multipoint voice channel more than five (5) local distribution channels are involved and two-way communications is required.

Signaling options required to arrange Series 400 channels for suitable signaling are available at charges specified in Signaling found later in this Section.

Bridging charges, per channel bridged, apply when three or more voice grade channels are connected at the same location.

Customers must insure that neither direct transmitted signal nor reflected signal energy is allowed to violate interconnection protection criteria and regulations as set forth in paragraph F. in Part 15, Section 1.

Specifications of net loss (or gain) refer to the requirement of the total channel offering, not the individual local distribution channel. Gains or losses present in CPE have not been included.

B. Transmission Characteristics

Parameters and specifications for two-point service used with Customer Premises Equipment (CPE) and station equipment are as follows: Speech application specifications and limits apply to all local distribution channels except Types 420 and 422. Data application specifications and limits apply only to Types 420 and 422.

<u>Basic Parameters</u>	<u>Specification or Limit</u>
Net Loss	Local Distribution Channels used with customer-provided station equipment - Limit as specified in Standard Bell System Design Practices and/or Technical References. The specifications of net loss or gain refer to the requirements of the total channel service offering, not the individual local distribution or interoffice channel. Losses or gains present in CPE have not been included.
DC Resistance	Local Distribution Channels used with customer-provided station equipment - Limits as specified in Standard Bell System Design Practices and/or Technical References does not imply or guarantee end-to-end DC continuity.
Frequency Error	±5 Hz
Frequency Response	300-3000 Hz, -3dB to + 12dB 500-2500 Hz, -2dB to + 8dB ("+" means more loss and "-" means less loss)

VOICE GRADE SERVICE – SERIES 400 (cont'd)

B. Transmission Characteristics (cont'd)

<u>Basic Parameters</u>	<u>Specification or Limit</u>
Envelope Delay Distortion	For Speech Application, not controlled. For Data Application, less than 1000 microseconds, 1000-2400 Hz; less than 1750 microseconds, 800-2600 Hz.
-13 dBm0 1000 Hz Test Signal to C-Notched Noise Ratio	For Speech Application, 20 db. For Data Application, 24 db.
Impulse Noise	For Speech Application, 90 counts in 15 minutes at a threshold of 1 db below a -13 dBm0 rms 1000 Hz Test Signal.
Phase Jitter	For Speech Application, 18 degrees peak to peak. For Data Application, 10 degrees peak to peak.
Non-Linear Distortion Signal to 2nd Order Distortion	For Speech Application, 20 db. For Data Application, 25 db.
Signal to 3rd Order Distortion	For Speech Application, 25 db. For Data Application, 30 db.

C. Multipoint

The Company will provide bridging equipment in serving offices to provide multipoint service. Bridging charges apply per channel (interoffice channel and local distribution channel) in offices where three or more channels are bridged. Bridging charges do not apply to Types 424 and 428. See paragraph D.3. for rates and charges.

Standard bridging equipment for two-way communication between all points will be provided unless the customer specifies another fixed bridging arrangement.

The transmission parameters specified in paragraph B. preceding are not applicable to multipoint service consisting of more than five points where local distribution channels with two-wire service components and two-way communication are involved or more than 20 points otherwise.

VOICE GRADE SERVICE – SERIES 400 (cont'd)

D. Rates^{/3/}

	<u>USOC</u>	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>
1. Local Distribution Channel ^{/1/} , each			
Type 414B ^{/2/}	1DAPX	\$67.00	\$465.00
Type 414C ^{/2/}	1DAQX	None	465.00
Type 420.....	1DASX	56.00	500.00
Type 422.....	1DATX	53.00	500.00
Type 423.....	1DAUX	30.00	500.00
Type 424.....	1DAVX	49.00	465.00
Type 425.....	1DAWX	47.00	500.00
Type 428.....	1DAXX	24.00	500.00
Type 435.....	1DAYX	55.00	500.00
2. Interoffice Channel, each V&H mile or fraction thereof, per Channel.....			
	<u>USOC</u>	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>
	JZ64S	\$30.00	\$3.00
		Fixed	Per Mile
3. Bridging Charges (Multi-Point Service), per channel bridged.....			
	<u>USOC</u>	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>
	BQ9	\$8.00	None

/1/ When service connects to a SmartTrunkSM Interface or to a channel of an Access Advantage Plus, a Local Distribution Channel charge will not apply for that location. All other appropriate circuit charges specified in this guidebook will apply to the remainder of the circuit.

/2/ Not available in association with Access Advantage Plus.

/3/ Effective May 10, 2006, 3-Year Rates are completely withdrawn.

VOICE GRADE SERVICE – SERIES 400 (cont'd)

D. Rates (cont'd)

4. Enclosed Passageway

Service between premises not more than one mile apart which are connected by an enclosed passageway.

Local channel, each, per first termination on a premises:^{/1/}

	<u>USOC</u>	Monthly Rate	Nonrecurring Charge
Type 415.....	1LLB2	\$10.45	\$74.00
Type 423.....	1LMG2	9.35	37.00
Type 428.....	1LMK2, 1LVB2	12.15	37.00

5. Two-point Service

a. Different building, same premises channels:^{/2,3/}

	<u>USOC</u>	Monthly Rate Per 1/10th	Minimum Charge	Nonrecurring Charge
Type 420	1LMDE 1L6DE	5.25	15.80	87.20
Type 422	1LMFE 1L6BE	2.65	7.90	87.20
Type 423	1LMGE	2.65	7.90	87.20
Type 424	1LMHE	5.25	15.80	87.20
Type 424	1LTBE	2.65	7.90	87.20
Type 425	1LMJE	5.25	15.80	87.20

	<u>USOC</u>	Monthly Rate	Nonrecurring Charge
Residence Extension Lines ^{/3,4/}			
First 1/10 mile	1LLJE, 1LVJE	None	\$87.20
Each additional 1/10 mile.....	1LLBE	\$2.35	None
Business Extension Lines ^{/3,5/}			
First 1/2 mile	1LLJC	None	87.20
Each additional 1/2 mile.....	1LLBC, 1LVDE	11.60	None

/1/ Obsolete - applicable to existing installations at existing locations for existing customers.

/2/ Obsolete - applicable to existing customers at existing locations for existing facilities that existed prior to January 1, 1984. Additional cable pairs may be leased by the customer, as provided in Part 20, Section 2 (see *Maintenance and Provisioning of Intrabuilding Cable*), only where spare pair facilities are available in the existing cable.

/3/ Nonrecurring charge applies per point of termination installed or moved.

/4/ In connection with residence service, no mileage charge applies for extension lines serving the same domestic establishment where the locations are within the base rate area.

/5/ In connection with business service, mileage charges apply whether inside or outside the base rate area.

VOICE GRADE SERVICE – SERIES 400 (cont'd)

D. Rates (cont'd)

5. Two-point Service (cont'd)

b. Same building channels:^{1,2}

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Type 420	1L MDB 1L6DB	\$15.80	\$87.20
Type 422	1L MFB 1L6BB	7.90	87.20
Type 423	1L MMB	7.90	87.20
Type 424	1L MHB	15.80	87.20
Type 424	1L TBB	7.90	87.20
Type 425	1L MJB	15.80	87.20

d. Each additional point of termination in same building for a., b., or c. preceding: ^{1/3/}

Type 420	DUXD3	5.25	25.00
	DUX		
Type 422	J5YF3	2.65	25.00
	J5Y		
Type 423	J5YG3	2.65	25.00
Type 425	DUXJ3	5.25	25.00

/1/ Obsolete - applicable to existing customers at existing locations for existing facilities that existed prior to January 1, 1984. Additional cable pairs may be leased by the customer, as provided in Part 20, Section 2 (see *Maintenance and Provisioning of Intrabuilding Cable*), only where spare pair facilities are available in the existing cable.

/2/ Nonrecurring charge applies per point of termination installed or moved.

(3) Obsolete – applicable to existing installations at existing locations for existing customers.

VOICE GRADE SERVICE – SERIES 400 (cont'd)**E. Conditioning Options – Available for Types 414B, 414C, 420 and 422**

The types and description of the available conditioning options at rates and charges specified in Channel Conditioning Options following, are as follows:

Type C - Conditioning provides assured transmission quality for frequency response and envelope delay distortion as specified below.

Type C1^{/1} - For a two-point or multi-point channel:

- The envelope delay distortion shall not exceed:
Between 1000 and 2400 Hz, a maximum difference of 1000 microseconds.
- The loss deviation with frequency (from 1000 Hz, reference) shall not exceed:
Between 1000 and 2400 Hz, -1dB to +3dB. Between 300 and 2700 Hz, -2dB to +6dB.
(+ means more loss)

Type C2^{/1} - For a two-point or multi-point channel:

- The envelop delay distortion shall not exceed:
Between 1000 and 2600 Hz, a maximum difference of 500 microseconds.
Between 600 and 2600 Hz, a maximum difference of 1500 microseconds.
Between 500 and 2800 Hz, a maximum difference of 3000 microseconds.
- Frequency response shall not exceed:
Between 500 and 2800 Hz, -1 dB to +3 dB.
Between 300 and 3000 Hz, -2 dB to +6 dB.
(+ means more loss)

NOTE: On a three-point or four-point channel, conditioning in accordance with above specifications is applicable only between one service point (that is designated by the customer as the control point) and each of the other two or three service points.

Type C4 - For a two-point or three-point channel:

- The envelope delay distortion shall not exceed:
Between 1000 and 2600 Hz, a maximum difference of 300 microseconds.
Between 800 and 2800 Hz, a maximum difference of 500 microseconds.
Between 600 and 3000 Hz, a maximum difference of 1500 microseconds.
Between 500 and 3000 Hz, a maximum difference of 3000 microseconds.
- Frequency response shall not exceed:
Between 500 and 3000 Hz, -2 dB to +3 dB.
Between 300 and 3200 Hz, -2 dB to +6 dB.
(+ means more loss)

NOTE: On a three-point channel, conditioning in accordance with above specifications is applicable only between one service point (that designated by the customer as the control point) and each of the other two or three service points.

/1/ Type C1 and C2 Channel Conditioning Service will be provided subject to these restrictions: the conditioned channel is restricted to no more than five (5) points on "two-wire" service and no more than twenty (20) points on "four-wire" circuits.

VOICE GRADE SERVICE – SERIES 400 (cont'd)**E. Conditioning Options – Available for Types 414B, 414C, 420 and 422 (cont'd)**

Type C – Conditioning (cont'd)

Type C5 - For a two-point channel:

- The envelope delay distortion shall not exceed:
 - Between 1000 and 2600 Hz, a maximum difference of 100 microseconds.
 - Between 600 and 2600 Hz, a maximum difference of 300 microseconds.
 - Between 500 and 2800 Hz, a maximum difference of 600 microseconds.

- Frequency response shall not exceed:
 - Between 300 and 3000 Hz, -1.0 dB to +3.0 dB.
 - Between 500 and 2800 Hz, -0.5 dB to +1.5 dB.

(+ means more loss)

Type D1 - High Performance Data Conditioning for a two-point channel not arranged for switching:

- Signal to C-Notched Noise Ratio 28 dB
- Non-Linear Distortion:
 - Signal to second order distortion 35 dB
 - Signal to third order distortion 40 dB

AT&T KANSAS GUIDEBOOK

PART 15 - Dedicated Communications Services
SECTION 2 - Channel / Analog Private Line (APL) Services

1st Revised Sheet 20
Replacing Original Sheet 20

(D)

AT&T KANSAS GUIDEBOOK

PART 15 - Dedicated Communications Services
SECTION 2 - Channel / Analog Private Line (APL) Services

1st Revised Sheet 21
Replacing Original Sheet 21

(D)

SIGNALING**A. Signaling Options**

1. Signaling Options per point of termination for the capability to accommodate signaling on Private Line Service utilizing 423, 425 and 435 type services.

	<u>USOC</u>	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>
Automatic ^{/1}	YY8	\$28.00	\$8.00

2. Signaling Options per point of termination for the capability to accommodate manual signaling on channel service utilizing Type 311, 420, 422, 423 and 425 channels.^{/2}

	<u>USOC</u>	Monthly <u>Rate</u>	Nonrecurring <u>Charge</u>
Manual	J1BWO	\$5.20	\$37.00
Automatic	J1AWO	7.30	37.00

3. Signaling Options per point of termination for the capability to accommodate signaling on Private Line Service utilizing type 400 Local Distribution Channels indicated below. Signaling is limited to two-point service only.

Arranged for E & M Type signaling

Type 424.....	SKMX4	6.00	40.00 ^{/3}
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/1/ Automatic signaling is not available for multi-point private line local distribution channels.

/2/ Signaling options for type 420 and 422 Local Channels are obsolete - applicable to existing installation at existing locations for existing customers.

/3/ The Nonrecurring Charge applies only if the signaling option is installed subsequent to initial installation of the local distribution channel.

SIGNALING (cont'd)**A. Signaling Options (cont'd)**

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
4. Type A, B and C Signaling Arrangements			
Loop Signaling Options per Local Distribution Channel on Type 428 when associated with station ports of a premises switching system			
Type A capable of operation over loops with resistance in the range of 0-199 ohms.....	SAL1X	\$15.00	\$40.00 ^{/1}
Type B capable of operation over loops with resistance in the range of 200-899 ohms.....	SAU1X	20.00	40.00 ^{/1}
Type C capable of operation over loops with resistance in the range of 900 ohms or more.....	SAY1X	12.00	30.00 ^{/1}

The DC resistance specification does not imply a guaranteed end-to-end DC continuity. The customer can expect to be provided a loop meeting the same limits as the normal central office loop (i.e., not exceeding 1300 ohms) exclusive of 200 ohm maximum terminal equipment resistance.

B. Rules and Regulations

1. The type A, B and C Loop Signaling Arrangements for station ports of a premises PBX (or similar) switching system and the E&M Signaling Arrangement for tie-lines are furnished for grandfathered and registered PBXs in accordance with Part 68 of the FCC Rules and Regulations.
2. For connections to registered PBX (or similar) equipment, customer must specify the equipment capability of their registered equipment.
3. Customer with grandfathered customer-provided PBX (or similar) equipment may, at their option:
 - Continue to provide their own off-premises station signaling capability and utilize only the type 428 channel.
 - Request that off-premises station signaling capability be provided by the Company. Where this option is selected, the customer must specify his equipment signaling capability.
4. Based on information provided by the customer, the Company will furnish the appropriate signaling arrangement. Where the requested signaling arrangement is furnished and determined to be of a lesser signaling range than required and the customer requests the Company to furnish another signaling arrangement, such request will be treated as a new request for service and appropriate nonrecurring charges will apply.

^{/1}/ The Nonrecurring Charge applies only if the signaling option is installed subsequent to initial installation of the local distribution channel.

SIGNALING (cont'd)**C. Rates**

Signaling Options per point of termination for the capability to accommodate signaling on channel service utilizing Type 400 Local Channels indicated following:

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
1. E&M Type Signaling			
Type 423 ^{/3/}	SLMW3	\$3.75	\$37.00
Type.....	SLMW4	5.50	242.85 ^{/1/}
2. Loop Signaling capable of operation over loops with a maximum resistance of 1300 ohms ^{/1/}			
Type 423 ^{/3/}	SLLW3	4.05	37.00
Type.....	SLLW8	None	37.00
3. Loop Signaling capable of operation over loops with a customer-requested ohms maximum			
Type 423 ^{/3/}	SLLA3	4.60	37.00
Type 428 ^{/3/}	SLLA8	0.60	37.00
4. Loop Signaling Options per channel on Type 428 when associated with station ports of a premises switching system:			
Type A capable of operation over loops with resistance in the range of 0-199 ohms	SALAL	5.50	179.65 ^{/1/}
Type B capable of operation over loops with resistance in the range of 200-899 ohms.....	SAUBL	6.25	180.05 ^{/1/}
Type C capable of operation over loops with resistance in the range of 900 ohms or more.....	SAYCL	1.10	148.10 ^{/1/}

The DC resistance specification does not imply a guaranteed end to end DC continuity. The customer can expect to be provided a loop meeting the same limits as the normal central office loop, i.e., not exceeding 1300 ohms, exclusive of 200 ohms maximum terminal equipment resistance.

/1/ Nonrecurring charge applies only if signaling option is installed subsequent to initial installation of the channel.

/2/ Signaling charge not applicable for on-premises channels (SLMNC).

/3/ Obsolete - applicable to existing installations at existing locations for existing customers.

CHANNEL CONDITIONING CHARGES**A. Channel Conditioning**

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Type C1			
- Two-point not arranged for switching, per service point	P2W1X	None	\$12.00
- Two-point arranged for switching, to another two-point channel, per service point	P2X1X	None	12.00
- Multi-point channel, per service point.....	P3G1X	None	12.00
Type C2			
- Two-point not arranged for switching, per service point	P3H1X	\$10.00	12.00
- Two-point arranged for switching, per service point	P3J1X	10.00	12.00
- Multi-point channel, per service point.....	PH91X	10.00	12.00
Type C4			
- Two-point channel, per service point.....	P4G1X	22.00	12.00
- Three- or four-point channel, per service point ..	6DU1X	22.00	12.00
Type C5			
- On a two-point channel not arranged for switching, per service point	UHD1X	40.00	12.00
Type D1			
- Two-point channel not arranged for switching, per service point	QHA2X	10.00	12.00

AT&T KANSAS GUIDEBOOK

PART 15 - Dedicated Communications Services
SECTION 2 - Channel / Analog Private Line (APL) Services

1st Revised Sheet 26
Replacing Original Sheet 26

(D)

LOCAL AREA DATA SERVICE**A. Regulations**

In addition to the Regulations specified previously in this guidebook, the following regulation applied to these services:

- Provision of this service does not contemplate connection to the public switched message network.

B. Description of Service

Local Area Data Service will provide, subject to availability of facilities, channels suitable for baseband transmission of data signals between two points on the same premises or different premises within the same serving office area. Service is limited to points that are not more than six cable route miles apart, as determined by the Company, using normal cable routing between the points to be served. Service is offered only for balanced transmission of data signals conforming to the signal power limitations and other parameters specified in the applicable Company Technical Reference.

1. Local Area Data Service channels require use of non-loaded cable facilities. In the event that only loaded facilities are available, the Company will at the customer's request, de-load facilities as specified under the Special Construction provisions of FCC Tariff No. 69.
2. Such channels are available in two types as follows:

Type 980 Two-wire interface with effective two-wire facilities for use with customer-provided equipment with the transmission characteristics specified in paragraph 3. following and the applicable Bell System Technical Reference.

Type 981 Four-wire interface with effective four-wire facilities for use with customer-provided equipment with the transmission characteristics specified in paragraph 3. following and the applicable Bell System Technical Reference.

3. Transmission specifications for Types 980 and 981 are dependent upon the route length of the facilities utilized to provide the service as follows:

<u>Maximum End-to-End Facility Length In Route Miles</u>	<u>Maximum Insertion Loss at 1000 Hz, in db^{/1}</u>
1	9.0
2	13.5
3	17.0
4	20.0
5	23.0
6	25.5

/1/ Insertion loss is referenced to 135 OHM resistive terminations at each end.

LOCAL AREA DATA SERVICE (cont'd)**C. Rates**1. Two-point service, same building, same premises^{/1,2/}

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Type 980.....	1LMGB	\$9.55	\$87.20
Type 981.....	1LMGB 1L6GB	18.65	87.20

2. Two-point service, different building, same premises^{/1,2/}

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
		<u>1st 1/10 Mile</u>	<u>Add'l 1/10 Mile</u>
Type 980.....	1LMGC	\$10.95	\$0.80
Type 981.....	1LMGC 1L6GC	22.15	1.65

3. Local channel, each,
per termination on a premises; different building, different premises, for two-point service

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Type 980.....	1LMGJ	\$25.10	\$128.75
Type 981.....	1LMGJ 1L6GJ	50.20	140.50

/1/ Obsolete - applicable to existing customers at existing locations for existing facilities that existed prior to January 1, 1984. Additional cable pairs may be leased by the customer, as provided in 'Maintenance and Provisioning of Intrabuilding Cable' found in Part 20, Section 2, only where spare facilities are available in the existing cable.

/2/ Nonrecurring charge applies per point of termination installed or moved.

SERVED DIRECT SERVICE**A. Regulations**

1. This offering is for specified two-point intraexchange channel types between different buildings on different premises which do not route through a serving office.
2. Served Direct Channel Charges apply:
 - When it is the economic decision of the Company to provide served direct facilities.^{/1/}
 - When there is a minimum billing of fifteen channels per each two-point configuration.
 - When the maximum airline distance between the two premises is one mile or less.
3. A customer may request this service offering when it is not the economic decision of the Company; however, in such case Special Construction Charges, as specified in FCC Tariff No. 69, shall apply in addition to the rates and charges found in this section.

When a customer requests a quotation for Special Construction Charges associated with Served Direct Service and then elects not to subscribe to the service, a Quotation Charge for developing the charges shall apply. This charge will include all developmental hours associated with the design and preparation of an individual request.

4. Termination Liability Contracts where applicable in a customer initiated request for Served Direct Service would be equal to the costs incurred for rearrangements of existing facilities and/or construction of new facilities as appropriate, less net salvage. Installed cost includes any expense associated with this particular case.
5. The service is limited to intraexchange channels but can involve Served Direct Service between two separate Serving Office Areas.

B. Rates

Between different buildings on different premises

<u>USOC</u>		Initial 1/10th <u>Mile</u>	Add'l 1/10th <u>Mile</u>	Nonrecurring Charge ^{/3/}
Type 101	1L3QQ, 1LMCQ ^{/2/}	\$9.65	\$2.65	\$87.20
Type 311	1LLUQ ^{/2/} , 1LPJQ ^{/2/} 1LLSQ ^{/2/}	9.65	2.65	87.20
Type 415	1LLBQ, 1LLJQ	9.65	2.65	87.20
Type 423	1LMGQ	9.65	2.65	87.20
Type 428	1LMKQ, 1LVDQ ^{/2/} 1LVBQ ^{/2/} , 1LVJQ ^{/2/}	9.65	2.65	87.20

/1/ A Basic Termination Liability Contract may be applicable in this case if the Company determines the facilities are not reusable. The contract period will normally be 36 months and the amount will be reduced by 1/36th for each month in service.

/2/ Obsolete – applicable to existing customers at existing locations for existing customers.

/3/ Nonrecurring charge applies per point of termination installed or moved.