

GENERAL

1. In addition to the regulations set forth in Part 15, Section 1 applicable to private line services, additional regulations are set forth throughout this section.
2. 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.
3. 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 or her needs. The customer-provided terminal equipment and station apparatus must be compatible with the service provided by the Company. The Company has overall responsibility for the private line service (up to the demarcation point on the customer premises) including the selection of all local channels. Terms and conditions for the location of demarcation points are found in 'Rules and Regulations Applying to All Customers' Contracts' in Part 2, Section 2.
4. Exchange rates and regulations apply for the exchange portion of the total service when private line services are used in connection with exchange services, or are connected to exchange services or equipment.
5. When the number of private line services on a premises is such that cable facilities are required, 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, a channel termination charge will apply, as shown below. The channel termination provides for termination at the demarcation point and does not provide for inside wiring beyond this demarcation point.

	<u>Monthly Rate</u>	<u>Service Charge</u>	<u>USOC</u>	<u>Class of Service</u>
Each channel termination	\$2.35	\$87.30	29G	RMC1L

6. The demarcation point for the connection of premises services comprises a standard registration jack or its equivalent and is provided as part of the private line service.

^{/1/} Obsolete - Applicable to existing installations for existing customers at existing locations. (Cannot add to, cannot outside move, cannot supersede.)

SPECIAL SIGNALING SERVICES – SERIES 100**A. Description**

These channels are suitable for use with two-point or multipoint service subject to the number of point limitations indicated for each type and are provided solely for use with customer-provided power and signaling equipment and other special signaling services.

Those local channels used to provide a transmission path to connect with customer-provided station equipment (CPE) at a premises are defined in terms of electrical interfaces. Interconnection protection criteria and regulations as described in Part 15, Section 1 (Connections of Terminal Equipment and Communications Systems) shall apply.

Special signaling services are available as follows:

1. The types of local channels offered for termination at a premises for termination in customer-provided terminal equipment and systems are as follows:
 - a. Type 101 - transmission characteristics in 1.b., following.
 - b. Type 102 - transmission characteristics in 2., following.

Type 101 service is furnished on an intraexchange two or three-point basis only.

Type 102 service is furnished on an intraexchange or interexchange two-point or multipoint (maximum of 26 points) basis.

Service is restricted to no more than three serving offices, including the serving office of the central office station.

Type 101 service has a two-wire interface with two-wire facilities 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 includes 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 facilities 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 Bell System Technical Reference for low speed signaling channels.

SPECIAL SIGNALING SERVICES – SERIES 100 (cont'd)**B. Rates – Intraexchange Series 100**

	<u>Monthly Rate</u>	<u>Service Charge</u> ^{/1/}	<u>USOC</u>	<u>Class of Service</u>
1. Local channel, each, per termination on a premises				
Type 101				
Initial 1/4 mile	\$1,200.00 (I)	\$87.30	1LMCY ^{/11/}	RMC1L
Each additional 1/4 mile	132.00 (I)	0.00	1LMCY ^{/11/}	RMC1L
Type 102				
Initial 1/4 mile	1,200.00 (I)	87.30	1LMCY ^{/11/}	RMC1L
Each additional 1/4 mile	132.00 (I)	0.00	1LMCY ^{/11/}	RMC2L
2. Interoffice channel, each V&H 1/4 mile per channel				
Type 101	159.00 (I)	0.00	1LMCS ^{/12/}	RMC1L
Type 102	159.00 (I)	0.00	1LMCS ^{/12/}	RMC2L
3. Interoffice channel terminal, per terminal (two required per interoffice channel)				
Type 101	57.00 (I)	0.00	OXNSL ^{/13/}	RMC1L
Type 102	57.00 (I)	0.00	OXNSL ^{/13/}	RMC2L
4. Each additional point of termination of a local channel, different building, same premises, per 1/10 mile ^{/2,9/}				
Type 101	2.65	87.30	1LMCK ^{/3/}	RMC1L
Minimum charge	7.95	87.30	1LMCK ^{/3/}	RMC1L
Type 102	2.65	87.30	1LMCK ^{/3/}	RMC2L
Minimum charge	7.95	87.30	1LMCK ^{/3/}	RMC2L
5. Each additional point of termination of a local channel in same building ^{/2,9/}				
Type 101	5.30	87.30	1LMCA ^{/4/}	RMC1L
Type 102	5.30	87.30	1LMCA ^{/4/}	RMC2L
6. Two-point service, different buildings, same premises, each per 1/10 mile ^{/2,9/}				
Type 101 per 1/10 mile				
1/10 mile	2.65	87.30	1LMCE ^{/5/}	RMC1L
Minimum charge	7.95	87.30	1LMCE ^{/5/}	RMC1L

See Sheet 4 for footnotes

SPECIAL SIGNALING SERVICES – SERIES 100 (cont'd)**B. Rates – Intraexchange Series 100 (cont'd)**

	<u>Monthly Rate</u>	<u>Service Charge</u> ^{/1/}	<u>USOC</u>	<u>Class of Service</u>
7. Two-point service where the points are on the same premises and are within the same building ^{/2,9/}				
Type 101	\$7.95	\$87.30	1LMCB ^{/6/}	RMC1L
8. Two-point service where the points are on different premises and are within the same building ^{/9,10/}				
Type 101	6.00	87.30	1LMFC	RMC1L
	7.95	87.30	1LLSC ^{/8/}	EXCH.
9. Each additional point of termination in same building for two-point service in 6., 7. or 8. preceding ^{/2,9/}				
Type 101	5.30	87.30	1LMCC ^{/7/}	RMC1L

/1/ Charge applies per point of termination.

/2/ Obsolete - Existing Installations. (Can add to, can supersede, cannot outside move.) This service may be retained or discontinued per the FCC's Report and Order in CC Docket No. 88-57 (Refer to Part 15, Section 1, **REGULATIONS (FOR ANALOG PRIVATE LINE SERVICES)**, paragraph A.4.g). No charge is applied if the facilities used by the customer are entirely located on the customer's side of a demarcation point and/or are part of premises wiring. Additional service at existing locations will be provided under this offering only where spare on premises channel facilities exist. The Company will not place new on premises channel facilities in order to provide this service.

/3/ Obsolete USOC (1L3QK).

/4/ Obsolete USOC (1L3QA).

/5/ Obsolete USOC (1L3QE).

/6/ Obsolete USOC (1L3QB).

/7/ Obsolete USOC (1L3QC).

/8/ Extension line equivalent to Type 315.

/9/ Type 242 cable pairs in service as of January 1, 1984 in connection with extension and PBX station services formerly offered by the Company will continue to be provided without charge as long as there is no change of service arrangement which requires retermination of, or additions to, these channels. Where retermination or additions are required, the charge for Type 101 channel service is applicable for each pair reterminated or added.

/10/ Availability may be limited by multiunit property owners; refer to Part 15, Section 1, **REGULATIONS (FOR ANALOG PRIVATE LINE SERVICES)**, paragraph A.4.g.

/11/ Type 101 additional USOCs (1LM1Y) - Obsolete USOC (1L3QY).

/12/ Obsolete USOC (1L3QS) Type 101 additional USOC (1LM1S).

/13/ Obsolete USOC (OXNTL) Type 101 additional USOC (OXN1L).

SPECIAL SIGNALING SERVICES – SERIES 100 (cont'd)**C. Rates – Interexchange Intralata Service Type 102**

	<u>Monthly Rate</u>	<u>Service Charge</u>	<u>USOC</u>	<u>Class of Service</u>
1. Local channel, each, per termination on a premises				
Type 102				
Initial 1/4 mile	\$1,200.00 (I)	\$87.30	1LMCY ^{/3/}	RMC2S
Each additional 1/4 mile	132.00 (I)	0.00	1LMCY ^{/3/}	RMC2S
2. Interoffice channel, each V&H 1/4 mile				
Type 102	159.00 (I)	0.00	1LMCS ^{/4/}	RMC2S
3. Interoffice channel terminal, per terminal (two required per interoffice channel)				
Type 102	57.00 (I)	0.00	OXNSS ^{/5/}	RMC2S
4. Interexchange channel				
Type 102				
<u>Mileage</u>	<u>Monthly Rate</u>		<u>USOC</u>	<u>Class of Service</u>
0 to 200/4 miles	\$3.70		1LMC4 ^{/6/}	RMC2S
	For each 1/4 mile			
201/4 to 600/4 miles	740.00		1LMC4 ^{/6/}	RMC2S
	Plus \$2.00 for each 1/4 mile over 50 miles			
Over 600/4 miles	1,540.00		1LMC4 ^{/6/}	RMC2S
	Plus \$1.00 for each 1/4 mile over 150 miles			

See Sheet 6 for footnotes

SPECIAL SIGNALING SERVICES – SERIES 100 (cont'd)**C. Rates – Interexchange Intralata Service Type 102**

	<u>Monthly Rate</u>	<u>Service Charge</u>	<u>USOC</u>	<u>Class of Service</u>
5. Interexchange channel terminal, each (two required per interexchange channel)				
Type 102	\$7.00	\$0.00	OXN2S ^{/7/}	RMC2S
6. Each additional point of termination of a local channel, different building, same premises, per 1/10 mile ^{/2/}				
Type 102	2.65	87.30	1LMCK ^{/8/}	RMC2S
Minimum charge	7.95	87.30	1LMCK ^{/8/}	RMC2S
7. Each additional point of termination of a local channel in the same building ^{/2/}				
Type 102	5.30	87.30	1LMCA ^{/9/}	RMC2S

/1/ Charge applies per point of termination.

/2/ Obsolete - Applicable to existing installations at existing locations for existing customers. This service may be retained or discontinued per the FCC's Report and Order in CC Docket No. 88-57 (refer to Part 15, Section 1, **REGULATIONS (FOR ANALOG PRIVATE LINE SERVICES)**, paragraph A.4.g). No charge is applied if the facilities used by the customer are entirely located on the customer's side of a demarcation point and/or are part of premises wiring.

/3/ Obsolete USOC (1L3QY).

/4/ Obsolete USOC (1L3QS).

/5/ Obsolete USOC (OXNTS).

/6/ Obsolete USOC (1L3Q4).

/7/ Obsolete USOC (OXN3S).

/8/ Obsolete USOC (1L3QK).

/9/ Obsolete USOC (1L3QA).

SUBVOICE GRADE SERVICE – SERIES 200**A. Description**

Subvoice 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.

1. The types of local channels and the transmission characteristics offered for termination at a premises for termination in customer-provided terminal 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% telegraph distortion and shall be capable of processing received data signals with up to 35% telegraph distortion.

Type 251 - EIA Standard RS232C type interface engineered for binary signals at rates up to 150 baud. The terminal equipment shall deliver no more than 5% telegraph distortion and shall be capable of processing received data signals with up to 40% telegraph distortion.

Parameters and specifications for subvoice grade local channels used with customer-provided station equipment (CPE).

<u>Basic Parameters</u>	<u>Specification or Limit</u>
Channel signals	Local channels used with CPE. Note that the specifications of channel signals refer to the requirement of the total service offering and not the individual local channel.
Channel distortion	Local channels used with CPE. Note that the specifications for channel distortion refer to the requirement of the total service offering and not the individual local 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 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.

SUBVOICE GRADE SERVICE – SERIES 200 (cont'd)**B. Rates - Intraexchange**

	Monthly Rate		Service Charge ^{/1/}	<u>USOC</u>	Class of Service
	<u>First 1/4 Mile</u>	<u>Add'l 1/4 Mile</u>			
1. Local channel, each, per termination on a premises					
Type 250					
Half-duplex	\$1,968.00 (I)	\$529.00 (I)	\$87.30	1LMFY ^{/2/}	RMCA
Duplex	2,007.00 (I)	690.00 (I)	87.30	1LMDY ^{/3/}	RMCA
Type 251					
Half-duplex	1,632.00 (I)	483.00 (I)	87.30	1LMFY ^{/2/}	RMCA
Duplex	2,319.00 (I)	690.00 (I)	87.30	1LMDY ^{/3/}	RMCA
		<u>Monthly Rate</u>	<u>Service Charge</u>	<u>USOC</u>	<u>Class of Service</u>
2. Interoffice channel, each V&H 1/4 mile, per channel					
Type 250					
Half-duplex		\$271.00 (I)	\$0.00	1LMFS ^{/4/}	RMCA
Duplex		271.00 (I)	0.00	1LMDS ^{/5/}	RMCA
Type 251					
Half-duplex		3.65	0.00	1LMFS ^{/4/}	RMCA
Duplex		3.65	0.00	1LMDS ^{/5/}	RMCA
3. Interoffice channel terminal, each (two required for each interoffice channel)					
Type 250					
Half-duplex		1.00	0.00	O1N5L	RMCA
Duplex		1.00	0.00	O1N6L	RMCA
Type 251					
Half-duplex		1.00	0.00	O1N5L	RMCA
Duplex		1.00	0.00	O1N6L	RMCA

/1/ Charge applies per point of termination.

/2/ Obsolete USOCs (1LYDY) (1L6BY) (1L3AY).

/3/ Obsolete USOCs (1LYKY) (1L6DY) (1L3CY).

/4/ Obsolete USOCs (1LYDS) (1L3AS) (1L6BS).

/5/ Obsolete USOCs (1LYKS) (1L3CS) (1L6DS).

SUBVOICE GRADE SERVICE – SERIES 200 (cont'd)**B. Rates – Intraexchange (cont'd)**

	Monthly Rate		Service Charge ^{/2/}	USOC	Class of Service
	First <u>1/4 Mile</u>	Add'l <u>1/4 Mile</u>			
4. Each additional point of termination of a local channel, different building on the same premises ^{/1,3/}					
Type 250					
Half-duplex	\$2.65	\$7.95	\$87.30	1LMFK	RMCAL
Duplex	2.65	7.95	87.30	1LMDK	RMCAL
		Monthly <u>Rate</u>	Service <u>Charge</u>	<u>USOC</u>	<u>Class of Service</u>
5. Each additional point of termination of a local channel in same building ^{/1,3/}					
Type 250					
Half-duplex		\$2.35	\$87.30	W1W	RMCAL
Duplex		2.35	87.30	W2W	RMCAL
	Monthly Rate Each <u>1/10 Mile</u>	Minimum <u>Charge</u>	Service <u>Charge</u> ^{/2/}	<u>USOC</u>	<u>Class of Service</u>
6. Two-point service, different buildings, same premises ^{/3/}					
Type 250					
Half-duplex	\$2.65	\$7.95	\$87.30	1LMFE ^{/4/}	RMCAL
Duplex	2.65	7.95	87.30	1LMDE ^{/5/}	RMCAL
Type 251					
Half-duplex	2.65	7.95	87.30	1LMFE ^{/4/}	RMCBL
Duplex	2.65	7.95	87.30	1LMDE ^{/5/}	RMCBL

/1/ Maximum of three terminations on the same premises for Type 250 and no additional terminations for Type 251.

/2/ Charge applies per point of termination.

/3/ Obsolete - Applicable to existing installations at existing locations for existing customers. This service may be retained or discontinued per the FCC's Report and Order in CC Docket No. 88-57 (Refer to Part 15, Section 1, **REGULATIONS (FOR ANALOG PRIVATE LINE SERVICES)**, paragraph A.4.g). No charge is applied if the facilities used by the customer are entirely located on the customer's side of a demarcation point and/or are part of premises wiring.

/4/ Obsolete USOCs (1LYDE) (1L3AE) (1L6BE).

/5/ Obsolete USOCs (1LYKE) (1L6DE).

SUBVOICE GRADE SERVICE – SERIES 200 (cont'd)**B. Rates – Intraexchange (cont'd)**

	<u>Monthly Rate</u>	<u>Service Charge</u> ^{/2/}	<u>USOC</u>	<u>Class of Service</u>
7. Two-point service, same building ^{/3/}				
Type 250				
Half-duplex	\$6.00	\$87.30	1LMFB ^{/4/}	RMCAL
Duplex	6.00	87.30	1LMDB ^{/5/}	RMCAL
Type 251				
Half-duplex	6.00	87.30	1LMFB ^{/4/}	RMCBL
Duplex	6.00	87.30	1LMDB ^{/5/}	RMCBL
8. Each additional point of termination in same building for two-point service in 6. or 7. preceding ^{/1,3/}				
Type 250				
Duplex	2.35	87.30	WAP	RMCAL

/1/ Maximum of three terminations on the same premises for Type 250 and no additional terminations for Type 251.

/2/ Charge applies per point of termination.

/3/ Obsolete - Applicable to existing installations at existing locations for existing customers. No charge is applied if the facilities used by the customer are entirely located on the customer's side of a demarcation point and/or are part of premises wiring.

/4/ Obsolete USOCs (1LYDB) (1L3AB) (1L6BB).

/5/ Obsolete USOCs (1LYKB) (1L3CB) (1L6DB).

SUBVOICE GRADE SERVICE – SERIES 200 (cont'd)**C. Rates – Interexchange Intralata Service**

	Monthly Rate First <u>1/4 Mile</u>	Add'l <u>1/4 Mile</u>	Service Charge ^{/1/}	<u>USOC</u>	<u>Class of Service</u>
1. Local channel, each per termination on a premises					
Type 250					
Half-duplex	\$1,335.00 (I)	\$529.00 (I)	\$87.30	1LMFY ^{/2/}	RMCAS
Duplex	1,434.00 (I)	631.00 (I)	87.30	1LMDY ^{/3/}	RMCAS
Type 251					
Half-duplex	1,632.00 (I)	483.00 (I)	87.30	1LMFY ^{/2/}	RMCBS
Duplex	2,319.00 (I)	690.00 (I)	87.30	1LMDY ^{/3/}	RMCBS
	Monthly Rate		Service Charge ^{/2/}	<u>USOC</u>	<u>Class of Service</u>
2. Interoffice channel, each V&H 1/4 mile, per channel					
Type 250					
Half-duplex		\$271.00 (I)	\$0.00	1LMFS ^{/4/}	RMCAS
Duplex		271.00 (I)	0.00	1LMDS ^{/5/}	RMCAS
Type 251					
Half-duplex		2.15	0.00	1LMFS ^{/4/}	RMCBS
Duplex		2.15	0.00	1LMDS ^{/5/}	RMCBS
3. Interoffice channel terminal, each (two required for each interoffice channel)					
Type 250					
Half-duplex		1.10	0.00	O1N5S	RMCAS
Duplex		1.10	0.00	O1N6S	RMCAS
Type 251					
Half-duplex		1.10	0.00	O1N5S	RMCBS
Duplex		1.10	0.00	O1N6S	RMCBS

/1/ Charge applies per point of termination.

/2/ Obsolete USOCs (1LYDY) (1L6BY) (1L3AY).

/3/ Obsolete USOCs (1LYKY) (1L6DY) (1L3CY).

/4/ Obsolete USOCs (1LYDS) (1L3AS) (1L6BS).

/5/ Obsolete USOCs (1LYKS) (1L3CS) (1L6DS).

SUBVOICE GRADE SERVICE – SERIES 200 (cont'd)**C. Rates – Interexchange Intralata Service (cont'd)**

	Monthly Rate		Service Charge ^{/2/}	USOC	Class of Service
	First <u>1/4 Mile</u>	Add'l <u>1/4 Mile</u>			
4. Each additional point of termination of a local channel, different building on the same premises ^{/1,3/}					
Type 250					
Half-duplex	\$2.65	\$7.95	\$87.30	1LMFK	RMCAS
Duplex	2.65	7.95	87.30	1LMDK	RMCAS
		Monthly <u>Rate</u>	Service <u>Charge</u> ^{/2/}	<u>USOC</u>	<u>Class of Service</u>
5. Each additional point of termination of a local channel in same building ^{/1,3/}					
Type 250					
Half-duplex		\$2.35	\$87.30	W1W	RMCAS
Duplex		2.35	87.30	W2W	RMCAS

/1/ Maximum of three terminations on the same premises for Type 250 and no additional termination for Type 251.

/2/ Charge applies per point of termination.

/3/ Obsolete - Applicable to existing installations at existing locations for existing customers. This service may be retained or discontinued per the FCC's Report and Order in CC Docket No. 88-57 (Refer to Part 15, Section 1, **REGULATIONS (FOR ANALOG PRIVATE LINE SERVICES)**, paragraph A.4.g). No charge is applied if the facilities used by the customer are entirely located on the customer's side of a demarcation point and/or are part of premises wiring.

SUBVOICE GRADE SERVICE – SERIES 200 (cont'd)**C. Rates – Interexchange Intralata Service (cont'd)**

6. Interexchange channel

Type 250

<u>Mileage</u>	<u>Monthly Rate</u>	<u>USOC</u>	<u>Class of Service</u>
0 to 200/4 miles	\$0.90 For each 1/4 mile	1LMD4 ^{/1/}	RMCAS
201/4 to 600/4 miles	180.00 Plus \$0.55 for each 1/4 mile over 50 miles	1LMD4 ^{/1/}	RMCAS
Over 600/4 miles	400.00 Plus \$0.40 for each 1/4 mile over 150 miles	1LMD4 ^{/1/}	RMCAS

Type 251

0 to 200/4 miles	1.20 For each 1/4 mile	1LMD4 ^{/1/}	RMCBS
201/4 to 600/4 miles	240.00 Plus \$0.55 for each 1/4 mile over 50 miles	1LMD4 ^{/1/}	RMCBS
Over 600/4 miles	460.00 Plus \$0.40 for each 1/4 mile over 150 miles	1LMD4 ^{/1/}	RMCBS

7. Interexchange channel terminal, each (two required per interexchange channel)

	<u>Monthly Rate</u>	<u>Service Charge</u>	<u>USOC</u>
Type 250			
Half-duplex	\$9.40	\$0.00	O1N2S
Duplex	9.00	0.00	O1N3S
Type 251			
Half-duplex	22.20	0.00	O1N2S
Duplex	21.65	0.00	O1N3S

/1/ Obsolete USOCs (1LYK4) (1L3C4) (1L6D4).

VOICE GRADE SERVICE – SERIES 300 AND 400**A. Description**

Series 300 local 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 local channels which are offered for termination in terminal equipment and systems (except as provided in **GENERAL**, paragraph 3) provided on a customer or authorized user premises are as follows:

Type 314 -- Furnished for tie line use between a premises PBX (or similar) switching system and a Centrex (with switching equipment located on Company premises) (314B); or between two Centrexes (with switching equipment located on Company premises) (314C). Transmission specifications for 314B channels are two-wire or four-wire interfaces with effective four-wire facilities engineered to VNL design specifications for tie line use. E&M signaling is included in the local channel.

Type 315 -- Furnished for voice transmission, off-premises extension (Non-PBX) and off-premises Centrex (with switching equipment located on Company premises) station and/or extension station use.

Type 317 -- Furnished for voice transmission, (317A) telephone answering service between concentrator and identifier. (317B) furnished for use with the AUTOTAS telephone answering service offering between the electronic concentrator and the traffic director.^{/1,2/}

Type 322 -- Furnished for half-duplex data transmission for an automatic identified outward dialing (AIOD) data channel. For use between a premises PBX (or similar) switching system and a serving office.^{/1/}

Type 323 - Furnished for use with Centrex (with switching equipment located on Company premises) data link consoles. For service between the premises control cabinet and the serving office.^{/1/}

Bridging charges per channel bridged apply when three or more voice grade channels, connect at the same location. Bridging charges do not apply to types 315, 317A and 317B.

(C)

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

/2/ These rates are effective June 14, 1996 pursuant to PURA Sec. 3.356 and the Company's notification.

VOICE GRADE SERVICE – SERIES 300 AND 400 (cont'd)**A. Description (cont'd)**

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

Type 420 -- A four-wire interface with four-wire facilities engineered for a 1000 Hz net loss of 16 dB. Normally suitable for use as a full duplex data channel.^{/1/}

Type 422 -- A two-wire interface with effective two-wire facilities engineered for a 1000 Hz net loss of 16 dB. Normally suitable for use as a half-duplex data channel.^{/1/}

Type 423 -- A two-wire interface with effective two-wire facilities engineered for a 1000 Hz net loss of 10 dB for two-point service and up to 20 dB for multipoint service. Normally suitable for use as a voice channel.^{/1/}

Type 424 -- A two-wire or four-wire interface with effective four-wire facilities engineered to VNL design specification for tie line use. Normally suitable for use as a tie line between two premises PBXs (or similar) switching systems.

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

Type 428 -- A two-wire interface with effective two-wire facilities engineered for a 1000 Hz net loss of VNL +4 dB. Normally suitable for use as a 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 facilities engineered for a 1000 Hz net loss of 16 dB. Normally suitable for use as a multipoint voice channel where two-way communications are required.

Signaling options required to arrange Series 400 channels for suitable signaling are available at charges specified in later paragraphs of this Section. The application of signaling options currently provided to arrange Series 400 on premises, same building and additional point of termination services has been obsoleted to existing installations at existing locations for existing customers.

Bridging charges per channel bridged apply when three or more voice grade channels connect 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 the Regulations section (Part 15, Section 1).

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

/1/ Type 420 through Type 423 local channels are not suitable for, nor can they be used for switching and/or tandem operations to the public switched network or other private line services.

VOICE GRADE SERVICE – SERIES 300 AND 400 (cont'd)**A. Description (cont'd)**

Parameters and specifications for two-point service used with customer-provided station equipment are as follows: Speech application specifications and limits apply to all local channels except Type 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 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 or interoffice channel. Losses or gains present in CPE have not been included.
DC resistance	Local channels used with customer-provided station equipment. Limit 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, -3 dB to +12 dB 500-2500 Hz, -2 dB to +8 dB ("+" means loss and "-" means gain)
Envelope delay	For speech application, not controlled. For AIOD Application, less than 1750 microseconds, 800-2600 Hz.
Distortion	For data application, less than 1000 microseconds, 1000-2400 Hz; less than 1750 microseconds, 800-2600 Hz.
-13 dBmO 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 dBmO rms 1000 Hz test signal. For data application, 15 counts in 15 minutes at a threshold of 6 dB below a -13 dBmO rms 1000 Hz test signal.
Phase jitter	For speech application, 18 degrees peak to peak. For data applications, 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.

VOICE GRADE SERVICE – SERIES 300 AND 400 (cont'd)**A. Description (cont'd)**Multipoint

The Company will provide bridging equipment in service offices and primary serving offices to provide multipoint service. Bridging charges apply per channel (interoffice channel, local channel and interexchange channel) in offices where three or more channels are bridged. Bridging charges do not apply to Foreign Exchange, Foreign Serving Office and Type 315, 317A^{/1,2/} and 317B^{/1,2/}. See B.3 for (C) intraexchange charges and C.8 for interexchange charges.

Standard bridging equipment will be provided unless the customer specifies another bridging arrangement.

The following restrictions are applicable to multipoint service: The channel is limited to no more than five (5) points and/or 4000 circuit miles on two-wire services and no more than 20 points and/or 4000 circuit miles on four-wire circuits. These restrictions do not apply to one-way simultaneous transmission from a master station to all other stations such as broadcast type multipoint service. The transmission parameters specified previously in this offering are not applicable.

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

/2/ These rates are effective June 14, 1996 pursuant to PURA Sec. 3.356 and Company notification.

VOICE GRADE SERVICE – SERIES 300 AND 400 (cont'd)**B. Rates - Intraexchange**

1. Local channel, each, per termination on a premises

	Monthly Rate		Service Charge ^{/1/}	USOC	Class of Service
	First 1/4 Mile	Add'l 1/4 Mile			
Type 314B	\$29.85	\$9.25	\$174.60	1LTBY ^{/10/}	FPSVL
Type 314C	0.00	0.00	174.60	1LTCY ^{/10/}	FPSVL
Type 315	1,200.00 (I)	355.00 (I)	174.60	1LLRY ^{/2,10/}	EXCHANGE
Type 317A	10.20	5.10	174.60	1LJKY ^{/11,12/}	FPSVL
Type 317B	10.20	5.10	174.60	1LJJY ^{/11,12/}	FPSVL
Type 322	34.25	14.40	174.60	1L6QY	DATYL
Type 323	17.10	7.35	174.60	1L6RY	DATYL
Type 420	2,845.00 (I)	760.00 (I)	87.30	1LMDY ^{/3,10/}	PVLCL
Type 422	2,845.00 (I)	760.00 (I)	87.30	1LMFY	PVLEL
Type 423	1,452.00 (I)	294.00 (I)	87.30	1LMGY ^{/5,10/}	PVLFL
Type 424	2,404.00 (I)	690.00 (I)	87.30	1LMHY ^{/6,10/}	PVLGL
Type 425	2,299.00 (I)	690.00 (I)	87.30	1LMJY ^{/7,10/}	PVLHL
Type 428	1,839.00 (I)	333.00 (I)	87.30	1LMKY ^{/8,10/}	PVLLL
Type 435	1,690.00 (I)	690.00 (I)	87.30	1LMMY ^{/9,10/}	PVL5L

2. Interoffice channel – all 300 and 400 Series, each V&H 1/4 mile, per channel

Monthly Rate	Service Charge	USOC
\$205.00 (I)	\$0.00	1LMFS ^{/13,14/}

/1/ Charge applies per point of termination.

/2/ Obsolete USOC (1LLHY)

/3/ Obsolete USOC (1L6CY) – Additional USOC (1LM4Y)

/4/ Obsolete USOC (1L6AY)

/5/ Obsolete USOCs (1LLUYY) (1LPAY) (1L1OY) (1L3AY) – Additional USOCs

/6/ Obsolete USOC (1LTAY)

/7/ Additional USOC (225)

/8/ Obsolete USOCs (1LLJY)

/9/ Obsolete USOCs (1LPWY) (1L1MY) (1L3WY)

/10/ When service terminates in a SmartTrunk Interface, or in a channel port of an Integrated Pathway Service, a Local 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.

/11/ Obsolete – Applicable to existing installations at existing locations.

/12/ These changes are effective June 14, 1996 pursuant to PURA Sec. 3.356.

/13/ Additional USOCs (1LLBS) (1LTBS)

/14/ Obsolete USOCs (1LJKS) (1LPJS) (1L1OS) (1L3AS) (1L6BS) (1L6DS)

VOICE GRADE SERVICE – SERIES 300 AND 400 (cont'd)**B. Rates – Intraexchange (cont'd)**

3. Interoffice channel terminal, each (two required per interoffice channel)

	<u>Monthly Rate</u>	<u>Service Charge</u>	<u>USOC</u>	<u>Class of Service</u>
Type 314B	\$0.00	\$0.00	PMN4B	FPSVL
Type 314C	0.00	0.00	PMN4C	FPSVL
Type 317A	0.00	0.00	PMN17 ^{/5,6/}	FPSVL
Type 322	0.00	0.00	PMN22 ^{/5/}	DATYL
Type 420	811.00 (I)	0.00	PMNCL	PVLCL
Type 422	57.00 (I)	0.00	PMNEL ^{/1/}	PVLEL
Type 423	811.00 (I)	0.00	PMNFL ^{/2/}	PVLFL
Type 424	0.00	0.00	PMNGL ^{/3/}	PVLGL
Type 425	0.00	0.00	PMNHL	PVLHL
Type 428	811.00 (I)	0.00	PMNLL ^{/4/}	PVLLL
Type 435	0.00	0.00	PMN5L	PVL5L
Foreign Serving Office	811.00 (I)	0.00	PMNFS	EXCHANGE

/1/ Obsolete USOC (PMN3B)

/2/ Obsolete USOC (PMN11)

/3/ Obsolete USOC (PMN4A)

/4/ Obsolete USOC (PMN12)

/5/ Obsolete – Applicable to existing installations at existing locations for existing customers.

/6/ These changes are effective June 14, 1996 pursuant to PURA Sec. 3.356 and the Company's notification.

VOICE GRADE SERVICE – SERIES 300 AND 400 (cont'd)**B. Rates – Intraexchange (cont'd)**

4. Each additional point of termination of a local channel in different building, same premises
- ^{/1,5/}

	Monthly Rate		Service Charge	USOC	Class of Service
	Each 1/10 Mile	Minimum Charge			
Type 420	\$2.65	\$7.95	\$87.30 ^{/3/}	1LMDK	PVLCL
Type 422	2.65	7.95	87.30 ^{/3/}	1LMFK	PVLEL
Type 423	2.65	7.95	87.30 ^{/3/}	1LMGK ^{/8/}	PVLFL
Type 425	2.65	7.95	87.30 ^{/3/}	1LMJK	PVLHL
Type 435	2.65	7.95	87.30 ^{/3/}	1LMKK	PVL5L

5. Each additional point of termination of a local channel in same building
- ^{/1,5/}

	Monthly Rate	Service Charge	USOC	Class of Service
Type 420	\$5.30	\$87.30 ^{/3/}	MUX	PVLCL
Type 422	5.30	87.30 ^{/3/}	M8XF3 ^{/11/}	PVLEL
Type 423	5.30	87.30 ^{/3/}	M8XG3 ^{/12/}	PVLFL
Type 425	5.30	87.30 ^{/3/}	MUXJ3	PVLHL
Type 435	5.30	87.30 ^{/3/}	M8XK3 ^{/13/}	PVL5L

6. Different buildings, same premises channels
- ^{/5/}

	Monthly Rate		Service Charge	USOC	Class of Service
	Each 1/10 Mile	Minimum Charge			
Type 420	\$2.65	\$7.95	\$87.30 ^{/3/}	1LMDE ^{/14/}	PVLCL
Type 422	2.65	7.95	87.30 ^{/3/}	1LMFE ^{/15/}	PVLEL
Type 423	2.65	7.95	87.30 ^{/3/}	1LMGE ^{/16/}	PVLFL
Type 425	2.65	7.95	87.30 ^{/3/}	1LMJE	PVLHL
Extension Line ^{/2,4/}	2.65	0.00	0.00	1LLBE ^{/18/}	EXCHANGE

See following sheet for footnotes

VOICE GRADE SERVICE – SERIES 300 AND 400 (cont'd)**B. Rates – Intraexchange (cont'd)**

Footnotes:

- /1/ Additional points of termination do not apply for Types 314B, 424 and 428.
- /2/ In connection with residence service, no mileage applies for extension stations serving the same domestic establishment where the locations are within the base rate area; no charge is applicable for the first 1/10 mile when locations are outside the base rate area. In connection with business service, no charge is applicable for the first 1/10 mile.
- /3/ Charge applies per point of termination.
- /4/ Extension Line service includes Type 315 and Type 428 channel services.
- /5/ Obsolete - Applicable to existing installations at existing locations for existing customers. This service may be retained or discontinued per the FCC's Report and Order in CC Docket No. 88-57 (Refer to Part 15, Section 1, **REGULATIONS (FOR ANALOG PRIVATE LINE SERVICES)**, paragraph A.4.g). No charge is applied if the facilities used by the customer are entirely located on the customer's side of a demarcation point and/or are part of premises wiring.
- /6/ Additional obsolete USOCs (1LPJK) (1L1OK) (1LLUK)
- /7/ Additional obsolete USOCs (1LPWK) (1L1MK)
- /8/ Additional obsolete USOC (M8X)
- /9/ Additional obsolete USOCs (2SE) (M8X)
- /10/ Additional obsolete USOC (M8X23)
- /11/ Additional obsolete USOC (1L6DE)
- /12/ Additional obsolete USOC (1L6BE)
- /13/ Additional obsolete USOCs (1LLUE) (1LPJE) (1L1OE) (1L3AE)
- /14/ Additional obsolete USOCs (1LLUE) (1LLJE) (1LLU1)

VOICE GRADE SERVICE – SERIES 300 AND 400 (cont'd)**B. Rates – Intraexchange (cont'd)**7. Same building channels^{/4/}

	<u>Monthly Rate</u>	<u>Service Charge</u>	<u>USOC</u>	<u>Class of Service</u>
Type 420	\$7.95	\$87.30 ^{/3/}	1LMDB ^{/5/}	PVLCL
Type 422	7.95	87.30 ^{/3/}	1LMFB ^{/6/}	PVLEL
Type 423	7.95	87.30 ^{/3/}	1LMMB ^{/7/}	PVLFL
Type 424	7.95	87.30 ^{/3/}	1LTBB	PVLGL
Type 425	7.95	87.30 ^{/3/}	1LMJB	PVLHL

8. Each additional point of termination in the same building for 6. and 7. preceding^{/1,2,4/}

Type 420	5.30	87.30 ^{/3/}	DUXD3 ^{/8/}	PVLCL
Type 422	5.30	87.30 ^{/3/}	J5Y	PVLEL
Type 423	5.30	87.30 ^{/3/}	J5YG3 ^{/9/}	PVLFL
Type 425	5.30	87.30 ^{/3/}	DUXJ3	PVLHL

9. Bridging charges (multipoint service)

Per channel bridged	19.95	0.00	BQ7	PVL++
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/1/ Limited to a maximum of three additional points of termination per same premises channels.

/2/ Additional points of termination do not apply for Type 424.

/3/ Charge applies per point of termination.

/4/ Obsolete - Applicable to existing installations at existing locations for existing customers. No charge is applied if the facilities used by the customer are entirely located on the customer's side of a demarcation point and/or are part of premises wiring.

/5/ Additional obsolete USOC (1L6DB)

/6/ Additional obsolete USOC (1L6BB)

/7/ Additional obsolete USOC (29H) (1L3AB)

/8/ Additional obsolete USOC (DUX)

/9/ Additional obsolete USOC (EZ6) (4SE) (J5Y)

VOICE GRADE SERVICE – SERIES 300 AND 400 (cont'd)**C. Rates – Interexchange Intralata Service**

1. Local Channel, each, per termination on a premises

	Monthly Rate		Service Charge ^{/1/}	USOC	Class of Service
	First 1/4 Mile	Add'l 1/4 Mile			
Type 314B	\$29.85	\$9.25	\$174.60	1LTBY ^{/10/}	FPSVS
Type 314C	0.00	0.00	174.60	1LTCY ^{/10/}	FPSVS
Type 317A	10.20	5.10	174.60	1LJKY ^{/11,12/}	FPSVS
Type 317B	10.20	5.10	174.60	1LJJY ^{/11,12/}	FPSVS
Type 322	34.25	14.40	174.60	1L6QY ^{/11/}	DATYS
Type 420	2,845.00 (I)	760.00 (I)	87.30	1LMDY ^{/2,10/}	PVLCS
Type 422	2,845.00 (I)	760.00 (I)	87.30	1LMFY ^{/3,10/}	PVLES
Type 423	1,452.00 (I)	294.00 (I)	87.30	1LMGY ^{/4,10/}	PVLFS
Type 424	2,404.00 (I)	690.00 (I)	87.30	1LMHY ^{/5,10/}	PVLGS
Type 425	2,299.00 (I)	690.00 (I)	87.30	1LMJY ^{/10/}	PVLHS
Type 428	1,839.00 (I)	333.00 (I)	87.30	1LMKY ^{/6,10/}	PVLLS
Type 435	1,690.00 (I)	690.00 (I)	87.30	1LMMY ^{/7,10/}	PVL5S

2. Interoffice Channel, each V&H 1/4 mile per channel

	Monthly Rate	Service Charge ^{/1/}	USOC	Class of Service
	\$294.00 (I)	\$0.00	1LMFS ^{/8,9/}	--

/1/ Charge applies per point of termination.

/2/ Obsolete USOCs (1L6CY) (1LLCY)

/3/ Obsolete USOCs (1L6AY)

/4/ Obsolete USOCs (1LPAY) (1L1OY) (1L3AY) (1LLBY)

/5/ Obsolete USOC (1LTAY)

/6/ Obsolete USOCs (1LPRY)

/7/ Obsolete USOCs (1LPWY) (1L1MY) (1L3WY)

/8/ Additional USOCs (1LHBS) (1LTBS)

/9/ Obsolete USOCs (1LJKS) (1LPJS) (1L3AS) (1L6BS) (1L1OS) (1L6DS)

/10/ When service terminates in a SmartTrunk Interface, or in a channel port of an Integrated Pathway Service, a Local 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.

/11/ Obsolete -- Applicable to existing installations at existing locations for existing customers.

/12/ These changes are effective June 14, 1996 pursuant to PURA Sec. 3.356 and the Company's notification.

VOICE GRADE SERVICE – SERIES 300 AND 400 (cont'd)**C. Rates – Interexchange Intralata Service (cont'd)**

3. Interoffice channel terminal, each (two required per interoffice channel)

	<u>Monthly Rate</u>	<u>Service Charge</u> ^{/1/}	<u>USOC</u>	<u>Class of Service</u>
Type 314B	\$0.00	\$0.00	PMN4B	FPSVS
Type 314C	0.00	0.00	PMN4C	FPSVS
Type 317A	0.00	0.00	PMN17 ^{/8,9/}	FPSVS
Type 322	0.00	0.00	PMN22 ^{/8/}	DATYS
Type 420	811.00 (I)	0.00	PMNCL ^{/1/}	PVLCS
Type 422	57.00 (I)	0.00	PMNEL ^{/2/}	PVLES
Type 423	811.00 (I)	0.00	PMNFL ^{/3/}	PVLFS
Type 424	0.00	0.00	PMNGL ^{/4/}	PVLGS
Type 425	0.00	0.00	PMNHL	PVLHS
Type 428	811.00 (I)	0.00	PMNLL ^{/5/}	PVLLS
Type 435	0.00	0.00	PMN5L ^{/6/}	PVL5S
Foreign Exchange	811.00 (I)	0.00	PMNFX	

4. Bridging charge (multipoint service),
per local channel or interoffice
channel bridged
- per interexchange channel bridged

15.55	0.00	BQ7 ^{/7/}	--
11.70	0.00	BQ71X	--

/1/ Obsolete USOC (PMN3A)

/2/ Obsolete USOC (PMN3B)

/3/ Obsolete USOC (PMN11)

/4/ Obsolete USOC (PMN4A)

/5/ Obsolete USOCs (PMN2S)

/6/ Obsolete USOC (PMN2O)

/7/ Additional USOC (BQ7AL)

/8/ Obsolete -- Applicable to existing installations at existing locations for existing customers.

/9/ These rates are effective June 14, 1996 pursuant to PURA Sec. 3.356 and the Company's notification.

VOICE GRADE SERVICE – SERIES 300 AND 400 (cont'd)**C. Rates – Interexchange Intralata Service (cont'd)**

5. Each additional point of termination of a local channel in different building, same premises^{/1,3/}

	Monthly Rate				
	Each 1/10 Mile	Minimum Charge	Service Charge ^{/2/}	USOC	Class of Service
Type 420	\$2.65	\$7.95	\$87.30	1LMDK	PVLCS
Type 422	2.65	7.95	87.30	1LMFK	PVLES
Type 423	2.65	7.95	87.30	1LMGK ^{/4/}	PVLFS
Type 425	2.65	7.95	87.30	1LMJK ^{/5/}	PVLHS
Type 435	2.65	7.95	87.30	1LMKK	PVL5S

6. Each additional point of termination of a local channel in same building^{/1,3/}

	Monthly Charge	Service Charge ^{/2/}	USOC	Class of Service
Type 420	\$5.30	\$87.30	MUX	PVLCS
Type 422	5.30	87.30	M8XF3 ^{/6/}	PVLES
Type 423	5.30	87.30	M8XG3 ^{/7/}	PVLFS
Type 425	5.30	87.30	MUXJ3	PVLHS
Type 435	5.30	87.30	M8XK3 ^{/8/}	PVL5S

/1/ Additional points of termination do not apply for Types 314B, 424 and 428.

/2/ Charge applies per point of termination.

/3/ Obsolete - Applicable to existing installations at existing locations for existing customers. This service may be retained or discontinued per the FCC's Report and Order in CC Docket No. 88-57 (Refer to Part 15, Section 1, **REGULATIONS (FOR ANALOG PRIVATE LINE SERVICES)**, paragraph A.4.g). No charge is applied if the facilities used by the customer are entirely located on the customer's side of a demarcation point and/or are part of premises wiring.

/4/ Obsolete USOCs (1LPJK) (1L1OK)

/5/ Obsolete USOCs (1LPWK) (1L1MK)

/6/ Obsolete USOC (M8X)

/7/ Obsolete USOCs (2SE) (M8X)

/8/ Obsolete USOC (M8X23)

VOICE GRADE SERVICE – SERIES 300 AND 400 (cont'd)**C. Rates – Interexchange Intralata Service (cont'd)**

7. Interexchange channel

<u>Mileage</u>	<u>Monthly Rate</u>	<u>USOC</u>
<i>Schedule 1</i> (applies between two category "A" primary serving offices)		
0 to 200/4 miles	\$5.70 For each 1/4 mile	1LHU4
201/4 to 600/4 miles	1,140.00 Plus \$0.55 for each 1/4 mile over 200/4 miles	1LHU4
Over 600/4 miles	1,360.00 Plus \$0.45 for each 1/4 mile over 600/4 miles	1LHU4
<i>Schedule 2</i> (applies between a category "A" and category "B" primary serving office)		
0 to 200/4 miles	\$10.40 For each 1/4 mile	1LHV4
201/4 to 600/4 miles	2,080.00 Plus \$0.95 for each 1/4 mile over 200/4 miles	1LHV4
Over 600/4 miles	2,460.00 Plus \$0.55 for each 1/4 mile over 600/4 miles	1LHV4
<i>Schedule 3</i> (applies between two category "B" primary serving offices)		
0 to 200/4 miles	\$12.30 For each 1/4 mile	1LHW4
201/4 to 600/4 miles	2,460.00 Plus \$1.20 for each 1/4 mile over 200/4 miles	1LHW4
Over 600/4 miles	2,940.00 Plus \$0.75 for each 1/4 mile over 600/4 miles	1LHW4

VOICE GRADE SERVICE – SERIES 300 AND 400 (cont'd)**C. Rates – Interexchange Intralata Service (cont'd)**

8. Interexchange channel terminal (two required per interexchange channel)

	<u>Monthly Charge</u>	<u>Service Charge</u> ^{/1/}	<u>USOC</u>	<u>Class of Service</u>
Type 314B	\$7.80	\$0.00	P1NH1	FPSVS
Type 314C	50.15	0.00	P1NJ1	FPSVS
Type 317A	18.20	0.00	P1NK1 ^{/7,8/}	FPSVS
Type 322	57.70	0.00	P1NM1 ^{/7/}	DATYS
Type 420	574.00 (I)	0.00	P1NQ1 ^{/1/}	PVLCS
Type 422	574.00 (I)	0.00	P1NR1 ^{/2/}	PVLES
Type 423	690.00 (I)	0.00	P1NS1 ^{/3/}	PVLFS
Type 424	6.60	0.00	P1NT1 ^{/4/}	PVLGS
Type 425	4.20	0.00	P1NU1	PVLHS
Type 428	811.00 (I)	0.00	P1NV1 ^{/5/}	PVLLS
Type 435	2.65	0.00	P1NW1 ^{/6/}	PVL5S
Foreign Exchange				
Between exchanges 0 to 7 miles apart	1,111.00 (I)	0.00	P1NF1	EXCHANGE
Between exchanges over 7 miles apart	3,603.00 (I)	0.00	P1NF4	EXCHANGE

/1/ Obsolete USOC (P1NC1)

/2/ Obsolete USOC (P1NE1)

/3/ Obsolete USOC (P1NA1)

/4/ Obsolete USOC (P1NG1)

/5/ Obsolete USOCs (P1NB1)

/6/ Obsolete USOC (P1NL1)

/7/ Obsolete -- Applicable to existing installations at existing locations for existing customers.

/8/ These changes are effective June 14, 1996 pursuant to PURA Sec. 3.356 and the Company's notification.

VOICE GRADE SERVICE – SERIES 300 AND 400 (cont'd)**D. Conditioning Options – Available for Types 314C, 420 and 422**

1. The types and description of the available conditioning options are as follows:

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

Type C1 - For a two-point or multipoint 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 100 Hz, reference) shall not exceed:
 - between 1000 and 2400 Hz, -1 dB to +3 dB
 - between 300 and 2700 Hz, -2 dB to +6 dB
- ("+" means loss, "-" means gain)

Type C2 - For a two-point or multipoint channel

- the envelope 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 loss, "-" means gain)

Trunks

- the envelope delay distortion shall not exceed:
 - between 1000 and 2600 Hz, a maximum difference of 80 microseconds
 - between 600 and 2600 Hz, a maximum difference of 260 microseconds
 - between 500 and 2800 Hz, a maximum difference of 500 microseconds
 - frequency response shall not exceed:
 - between 500 and 2800 Hz, -0.5 dB to +1 dB
 - between 300 and 3000 Hz, -0.8 dB to +2 dB
- ("+" means loss, "-" means gain)

Conditioning per these specifications limited to each interexchange or local access line between the customer's station and the switching center.

VOICE GRADE SERVICE – SERIES 300 AND 400 (cont'd)**D. Conditioning Options – Available for Types 314C, 420 and 422 (cont'd)**

1. The types and description of the available conditioning options are as follows: (cont'd)

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
 - 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 loss, "-" means gain)

NOTE: On a three-point channel, conditioning per above specifications is applicable only between one station (that designated by the customer as the control point) and each of the other two stations.

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 loss, "-" means gain)

Type D1 - High performance data conditioning for a two-point channel not arranged for switching^{/1/}

- 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

When the channel equipped with this conditioning is used for voice communications, the Company does not undertake to represent nor guarantee that the channel will be suitable for such transmission.

/1/ Available only where facilities and conditions permit.

VOICE GRADE SERVICE – SERIES 300 AND 400 (cont'd)**D. Conditioning Options – Available for Types 314C, 420 and 422 (cont'd)**

2. Rates

	<u>Monthly Rate</u>	<u>Service Charge</u>	<u>USOC</u>
Type C1			
Two-point not arranged for switching, per station	\$10.15	\$72.75	P2W
Two-point arranged for switching to another two-point channel, per station	18.35	72.75	P2X
Multipoint channel, per station	20.30	72.75	P3G
Type C2			
Two-point not arranged for switching, per station	40.50	90.95	P3HC2
Two-point arranged for switching, per station	60.85	90.95	P3J
Multipoint channel, per station	60.85	90.95	PH9
Type C4			
Two-point channel, per station	70.95	123.65	P4G
Three-point channel, per station	91.20	123.65	6DU
Type C5			
On a two-point channel not arranged for switching, per station	101.35	123.65	UHD
Type D1 ^{/1/}			
Two-point channel not arranged for switching, per station	12.15	90.95	QHA

/1/ Available only where facilities and conditions permit.

VOICE GRADE SERVICE – SERIES 300 AND 400 (cont'd)**E. Foreign Exchange and Foreign Exchange Centrex Station Service**

(with switching equipment located on Company premises)

1. This service is furnished to a maximum of two exchanges (in addition to the exchange in which the exchange service is furnished). The exchange service connection is provided from one exchange only.
2. Service is furnished on the condition that additional costs to the Company may be necessary to provide a type of signaling suitable for operation with the exchange from which service is furnished, or to provide, at the customer's request, a type of signaling other than the type the Company would elect to furnish. In such cases, additional charges shall apply.
3. Customers, for the exchange portion of the service, are subject to exchange charges and regulations; and for the private line portion of the service, are subject to the private line charges and regulations in this guidebook.
4. Off-premises extensions are provided only where facilities and conditions permit.
5. The term "foreign exchange" refers to any telephone exchange other than the one from which the local customer is normally served. Foreign exchange service uses a private line circuit to connect the distant primary serving office (PSO) telephone number location to a PSO of another exchange where service is to be terminated at a customer location. Interexchange channel mileage and channel terminal charges as specified in C.7 and C.8 are applicable for this portion of the circuit. In addition, interexchange interoffice channel mileage and channel terminal charges as specified in C.2 and C.3 may be applicable. End user common line (EUCL) and TOUCH-TONE line charges are not applicable. No charge applies for a primary listing. A point of termination charge as specified in 6., following, is applicable. Local channel charges apply for all main and extension channels as specified in 6., following. Charges apply per minute of local exchange access use as specified in 6., following. Long distance message telecommunication service charges apply for telecommunications between station numbers in different local service areas.

6. Rates

Per minute of local exchange access use	\$0.021
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Where the minutes of actual use cannot be determined, monthly usage charges will apply based on the following assumed average minutes of use:^{/1/}

PBX trunk	3,248
Business Line	1,040
Residence Line	706

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Service Charge</u>
Local channel, each ^{/2/}	1LLAY	\$1,842.00 (I)	\$186.00
Point of termination in one foreign exchange	T22	1.30	174.60
Point of termination in two exchanges	T1S	0.00	261.90

/1/ Applicable to FX "open-end" at non-Company end offices only.

/2/ When Foreign Exchange Service terminates in a SmartTrunk Interface, or in a channel port of Access Advantage Plus^{/3/}, a Local 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.

/3/ Access Advantage Plus is grandfathered effective November 1, 2016. See Part 20, Section 6.

VOICE GRADE SERVICE – SERIES 300 AND 400 (cont'd)**F. Foreign Serving Office and Centrex Station Service**
(with switching equipment located on Company premises)

1. This service is furnished to a maximum of two serving offices (in addition to the serving office in which the exchange service is furnished) within the exchange or metropolitan exchange in which the exchange service is furnished.
2. Service is furnished on the condition that additional costs to the Company may be necessary to provide a type of signaling suitable for operation with the serving office from which service is furnished, or to provide, at the customer's request, a type of signaling other than the type would elect to furnish. In such cases, additional charges will apply.
3. Customers, for the exchange portion of the service, are subject to exchange charges and regulations; and for the private line portion of the service, are subject to the private line charges and regulations in this guidebook.
4. Off-premises extensions are provided only where facilities and conditions permit. Type 315 local channel charges apply for off-premises extension.
5. Rates

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Service Charge</u>
Point of termination in one foreign serving office ^{/1,3/}	T21FS	\$0.00	\$174.60
Point of termination in two foreign serving offices ^{/2,3/}	T1SFS	30.40	261.90

/1/ In addition, private line charges as set forth in this guidebook apply between the serving office of the customer premises and the serving office from which the exchange service is provided. Local channel charges do not apply to main stations but do apply to Centrex main stations and extensions.

/2/ Local channel charges do not apply to the main station and one extension but do apply to Centrex main stations and extensions.

/3/ Local channel charges do not apply when the exchange service is connected to Access Advantage Plus^{/4/}.

/4/ Access Advantage Plus is grandfathered effective November 1, 2016. See Part 20, Section 6.

(C)
(N)

SPECIAL BRIDGING SERVICE (SPLIT BRIDGING ARRANGEMENT)**A. Description of Service**

This service provides for a four-wire frequency split common port and two-wire multiple port bridging arrangement intended for application in multipoint frequency, data or tone signaling networks.

B. Application

Regulations applicable to special bridging arrangements, except as otherwise specified below, are in addition to the regulations contained in other sections of this guidebook.

C. Regulations

1. Special bridging arrangements are provided on voice grade service with a transmission rate normally suitable for 75 baud, but can be used with equipment operating at rates up to a maximum of 400 baud.
2. A maximum of three (3) serving offices each equipped with a special bridge is permitted on a multipoint network.
3. A maximum of one hundred forty-four (144) remote stations is permitted on a multipoint network.
4. Remote stations connected to a special bridge shall be in the same serving office area or contiguous serving office area of the same exchange in which the split band bridge is located.
5. Access from the master station to the split band bridge is obtained through a master station channel as provided in D.2, following. Interoffice channels and channel terminals are required when appropriate between split band bridges and between the master station serving office and the split band bridge as provided in D.2, following.
6. A voice grade bridging charge (BQ7) applies per split band bridge and master station, when more than one split band bridge is provided.
7. Transmission parameters and specifications as specified in paragraph A. under *Voice Grade Service – Series 300 and 400* are not guaranteed for this service.
8. Additional points of termination are not provided with special bridging service.

SPECIAL BRIDGING SERVICE (SPLIT BRIDGING ARRANGEMENT) (cont'd)**D. Rates**

	<u>Monthly Rate</u>	<u>USOC</u>
1. Special bridge and common equipment for: ^{/1/}		
- Maximum of 48 remote stations	\$69.95	BMC48
- Maximum of 95 remote stations	91.95	BMC95
2. Remote station connections		
- Per remote station	6.95	BMD
3. Access lines:		
- Master station (1LM4Y) - rates are equivalent to those applicable for Type 420 service.		
- Remote Station		

Local channel, per remote station (1LM1Y) - rates are equivalent to those applicable for Type 101 service.

Interoffice channel, per V-H mile or fraction thereof, per channel (1LM1S) - rates are equivalent to those applicable for Type 101 service.

Interoffice channel terminal, per terminal (two required per interoffice channel) (OXN1L) - rates are equivalent to those applicable for Type 101 service.

^{/1/} Customer must specify, transmit and receive frequency of master station.

SIGNALING**A. Signaling options per point of termination for the capability to accommodate manual signaling on private line service using 420^{/2/}, 422^{/2/}, 423, 425, 428 and 435 type services**

	<u>Monthly Rate</u>	<u>Service Charge^{/1/}</u>	<u>USOC</u>	<u>Class of Service</u>
1. Interexchange				
Manual	\$35.85	\$58.20	J1B	PVL+S
Automatic ^{/3/}	37.85	58.20	J1B	PVL+S
2. Intraexchange				
a. With interoffice channel				
Manual	15.05	29.10	J1B	PVL+L
Automatic ^{/3/}	16.95	29.10	J1A	PVL+L
b. Without interoffice channel				
Manual	7.00	29.10	J1BWO	PVL+L
Automatic ^{/3/}	12.55	29.10	J1AWO	PVL+L

B. 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 per Part 68 of the FCC regulations.
2. For connections to registered PBX (or similar) equipment, the customer must specify the equipment capability of their registered equipment.
3. Customers with grandfathered customer-provided PBX (or similar) equipment may, at their option:
 - a. Continue to provide their own off-premises station signaling capability and use only the type 428 channel.
 - b. Request that off-premises station signaling capability be provided by the Company. Where this option is selected, the customer must specify his or her 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 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 service charges will apply.

/1/ A move charge on the same premises is one-half of the full service charge.

/2/ Signaling options for Types 420 and 422 are obsolete - Existing installations at existing locations for existing customers.

/3/ Automatic signaling is not available for multipoint services.

SIGNALING (cont'd)**C. Signaling options per point of termination limited to two-point service only, for the capability to accommodate signaling on private line service using Type 400 Local Channel indicated below**

	<u>Monthly Rate</u>	<u>Service Charge</u> ^{/1/}	<u>USOC</u>	<u>Class of Service</u>
1. Interexchange				
a. E & M type signaling				
Type 423 ^{/2/}	\$29.25	\$58.20	SLM23	PVLFS
Type 424	13.55	58.20	SLM24	PVLGS
Type 425 ^{/2/}	38.55	58.20	SLM25	PVLHS
b. Loop signaling capable of operation over loops with resistance of 900 ohms or more ^{/2/}				
Type 423	48.30	58.20	SLL23	PVLFS
c. Loop signaling capable of operation over loops with resistance of less than 900 ohms ^{/2/}				
Type 423	49.90	58.20	SLLC3	PVLFS
d. Loop signaling options per local 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	10.60	58.20	SALAS	PVLLS
Type B capable of operation over loops with resistance in the range of 200-899 ohms	10.60	58.20	SAUBS	PVLLS
Type C capable of operation over loops with resistance in the range of 900 ohms or more	10.60	58.20	SAYCS	PVLLS

/1/ A move charge on the same premises is one-half the full service charge.

/2/ Obsolete - Existing installations at existing locations for existing customers.

SIGNALING (cont'd)**C. Signaling options per point of termination limited to two-point service only, for the capability to accommodate signaling on private line service using Type 400 Local Channel indicated below (cont'd)**

	<u>Monthly Rate</u>	<u>Service Charge</u> ^{/1/}	<u>USOC</u>	<u>Class of Service</u>
2. Intraexchange				
a. With interoffice channel				
1. Type 423 ^{/2/}	\$11.30	\$29.10	SLM23	PVLFL
Type 424	10.65	29.10	SLM24	PVLGL
Type 425 ^{/2/}	16.30	29.10	SLM25	PVLHL
2. Loop signaling capable of operation over loops with resistance of 900 ohms or more ^{/2/}				
Type 423	8.55	29.10	SLL23	PVLFL
3. Loop signaling capable of operation over loops with resistance of less than 900 ohms ^{/2/}				
Type 423	11.30	29.10	SLLC3	PVLFL
4. Loop signaling options per local 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	6.65	29.10	SALAW	PVLLL
Type B capable of operation over loops with resistance in the range of 200-899 ohms	6.65	29.10	SAUBW	PVLLL
Type C capable of operation over loops with resistance in the range of 900 ohms or more	6.65	29.10	SAYCW	PVLLL

The DC resistance specification does not imply a guarantee of 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.

/1/ A move charge on the same premises is one-half the full service charge.

/2/ Obsolete - Existing installations at existing locations for existing customers.

SIGNALING (cont'd)**C. Signaling options per point of termination limited to two-point service only, for the capability to accommodate signaling on private line service using Type 400 Local Channel indicated below (cont'd)**

	<u>Monthly Rate</u>	<u>Service Charge</u> ^{/1/}	<u>USOC</u>	<u>Class of Service</u>
2. Intraexchange (cont'd)				
b. Without interoffice channel				
1. Type 423 ^{/2/}	\$6.85	\$29.10	SLMW3	PVLFL
Type 424	5.60	29.10	SLMW4	PVLGL
Type 425 ^{/2/}	6.85	29.10	SLMW5	PVLHL
Type 428 ^{/2/}	6.85	29.10	SLMW8	PVLLL
2. Loop signaling capable of operation over loops with resistance of 900 ohms or more ^{/2/}				
Type 423	5.80	29.10	SLLW3	PVLFL
3. Loop signaling options per local 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				
	6.65	29.10	SALAL	PVLLL
Type B capable of operation over loops with resistance in the range of 200-899 ohms				
	6.65	29.10	SAUBL	PVLLL
Type C capable of operation over loops with resistance in the range of 900 ohms or more				
	6.65	29.10	SAYCL	PVLLL

The DC resistance specification does not imply a guarantee of 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.

/1/ A move charge on the same premises is one-half the full service charge.

/2/ Obsolete - Existing installations at existing locations for existing customers.

SIGNALING (cont'd)**C. Signaling options per point of termination limited to two-point service only, for the capability to accommodate signaling on private line service using Type 400 Local Channel indicated below (cont'd)**

	<u>Monthly Rate</u>	<u>Service Charge</u> ^{/1/}	<u>USOC</u>	<u>Class of Service</u>
2. Intraexchange (cont'd)				

c. Service between premises not more than one mile apart (Served Direct Service)^{/2/}

Loop signaling options per local 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	\$0.45	\$29.10	SALAM	PVLLL
Type B capable of operation over loops with resistance in the range of 200-899 ohms	0.45	29.10	SAUBM	PVLLL
Type C capable of operation over loops with resistance in the range of 900 ohms or more	0.45	29.10	SAYCM	PVLLL

The DC resistance specification does not imply a guarantee of 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.

/1/ A move charge on the same premises is one-half the full service charge.

/2/ Obsolete - Existing installations at existing locations for existing customers.

(D)

/1/ Material now appears in Part 20, Section 15, Sheet 29.