CHANNELS

Service Availability (N)
Effective June 30, 2021, Analog Private Line Services will no longer be available for purchase by new or existing customers. In addition, requests to move, add, change, or renew existing service arrangements will not be accepted. Following the expiration of a customer's existing term agreement, service will be provided on a month-to-month basis at the applicable Monthly rates until the service is discontinued. The Company currently plans to discontinue these services on or after June 30, 2024.

The following services are covered by this *Availability* paragraph: All Channel Types – Below Voice Grade, Voice Grade Channels, Signaling Arrangements, Conditioning, Special Digital Channel Types, Special Signaling Channel Types, Local Area Data Channels, Isolators, and Balanced Protection. (N)

GENERAL

In addition to the regulations set forth elsewhere in this guidebook, the following regulations apply to services and channels for the types defined in 1.2 following.

1.2 DESCRIPTION OF CHANNELS AND SERVICES

1.2.1 DESCRIPTION OF CHANNELS AND SERVICES BELOW VOICE GRADE

Services and channels below voice grade include channels for low-speed data transmission and miscellaneous signaling purposes at rates up to 75 baud. Channels are furnished with transmission characteristics and for applications as set forth below. Channel definitions are listed by channel types, the specifications refer to the overall facility. These channels are not suitable for the transmission of alternating current tones.

A. POWER REQUIREMENTS FOR CHANNELS BELOW VOICE GRADE

Where the Company provides transmission equipment at the interface for up to 75-baud channels, the customer must provide a source of continuous 117 volt, 60 HZ ac power by means of a nonswitched outlet.

B. CHANNEL TYPES - BELOW VOICE GRADE

1. Type 1050 - A half duplex interface engineered for binary signal rates up to 75 baud, 20 or 62.5 milliamperes d.c. neutral signals. Normally suitable for teletypewriter, data, supervisory control, and miscellaneous signaling purposes.

2. Type 1051 - A full duplex interface engineered for binary signal rates up to 75 baud, 20 or 62.5 milliamperes d.c. neutral signals. Normally suitable for teletypewriter, data, supervisory control, and miscellaneous signaling purposes.

C. MULTIPOINT SERVICE OPTIONS - BELOW VOICE GRADE CHANNELS

Multipoint capability involves a hubbing arrangement and local channels arranged to provide communications capability between more than two station locations. Multipoint charges apply in addition to charges for local distribution channels.

/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.

1. CHANNELS (Cont'd)
1.2 DESCRIPTION OF CHANNELS AND SERVICES (Cont'd)

1.2.2 DESCRIPTION OF VOICE GRADE CHANNELS AND SERVICES

Voice grade services and channels include channels with an approximate bandwidth of 300 - 3000 Hz for voice and data transmission. Channels are furnished with transmission characteristics and for applications as set forth below. Channel definitions are listed by channel types, the specifications refer to the overall facility. The basic channels may require signaling arrangements as specified for the channel type or may be equipped with options or service arrangements.

A. CHANNEL TYPES - VOICE GRADE

1. Type 2001 - A two-wire interface with effective two-wire facilities engineered for a 1000 Hz net loss of 0 to 10 dB. Suitable for many basic voice communications applications. Furnished for two point service or for multipoint service.

2. Type 2002 - A four-wire interface with four-wire facilities engineered for a 1000 Hz net loss of 0 to 10 dB. Suitable for many basic voice communications applications. Furnished for two point service or for multipoint service.

3. Type 2003[1] - A two-wire interface with effective two-wire facilities with a 1000 Hz net loss of 0 to 10 dB; engineered for remote operation of mobile radiotelephone systems. Furnished for two point service or for multipoint service.

4. Type 2004[1] - A four-wire interface with four-wire facilities engineered with a 1000 Hz net loss of 0 to 10 dB; for remote operation of mobile radiotelephone systems. Furnished for two point service or for multipoint service.

5. Type 2005 - A two-wire interface with effective two-wire facilities engineered for a 1000 Hz net loss of 0 to 4.5 dB; with loop resistance of up to 1300 ohms. Furnished for PBX (or similar) off-premises stations. Requires signaling arrangements as specified in B. following. For two-point service.

6. Type 2006 - A two-wire interface with effective two-wire facilities engineered for a 1000 Hz net loss of 0 to 4.5 dB. Furnished for voice transmission, Inter-Wire Center Exchange Service use. Encompasses the connection to permit a customer to obtain individual line or PBX trunk trunk service from a wire center serving area other than the one in the station is located. These channels are furnished on a two-point basis.

NOTE 1: Where facilities allow local channels type 2003 or 2004 to be used for DC control signals, in addition to voice, and such use is intended, channels are provided on a two point basis only.

1. CHANNELS (Cont'd)
1.2 DESCRIPTION OF CHANNELS AND SERVICES (Cont'd)
1.2.2 DESCRIPTION OF VOICE GRADE CHANNELS AND SERVICES (Cont'd)
A. CHANNEL TYPES - VOICE GRADE (Cont'd)

7. Type 2007 - A two-wire interface with effective two-wire facilities engineered for a 1000 Hz loss of 0 to 6 dB. Furnished for voice transmission between a telephone answering service concentrator located in a Company office and an identifier located at a customer premises. For two-point service.

8. Type 2008 - A two-wire interface with effective two-wire facilities engineered for a 1000 Hz net loss of 0 to 6 dB. Normally suitable for voice transmission between a telephone answering service concentrator located at a premises of a customer and an identifier located at a different premises. For two-point service.

9. Vacant

10. Type 2010 - A two-wire or four-wire interface with four-wire facilities furnished for voice transmission. Provided for tie line use between two PBX's; a PBX and a Centrex Switching unit; or between a customer-provided Communications System (facilities) and a Centrex Switching unit. Channel terminated in a PBX or for connection to a customer provided Communications System. Requires signaling arrangement as specified in 1.2.2 B following. For two-point service.

1. CHANNELS (Cont'd)
1.2 DESCRIPTION OF CHANNELS AND SERVICES (Cont'd)
1.2.2 DESCRIPTION OF VOICE GRADE CHANNELS AND SERVICES (Cont'd)
A. CHANNEL TYPES - VOICE GRADE (Cont'd)

11. Type 3002 - A four-wire interface with four-wire facilities engineered for a 1000 Hz net loss of 16 dB. Suitable for data transmission. Furnished for two-point service or for multipoint service.

12. Type 3003 - A two-wire interface with effective two-wire facilities engineered for a 1000 Hz net loss of 16 dB for data transmission. Furnished for two-point service or for multipoint service.

13. Type 3060 – Furnished for transmission rates up to 9600 bps, for use with ACOIM.

14. Type 3061 – Furnished for a transmission rate of 19.2 Kbps, for use with ACOIM.

15. Type 3062 - Furnished for a transmission rate of 56 Kbps, for use with ACOIM.

1. CHANNELS (Cont'd)

1.2 DESCRIPTION OF CHANNELS AND SERVICES (Cont'd)
1.2.2 DESCRIPTION OF VOICE GRADE CHANNELS AND SERVICES (Cont'd)

A. CHANNEL TYPES - VOICE GRADE (Cont'd)

Channel types 3060, 3061 and 3062 preceding are furnished for use exclusively with the Central Office Information Manager (ACOIM) Service and are available only on an intraLATA interwire center channel (IWCC) basis. (C)

Type 2001, 2002, 2003, 2004, 3002, and 3003 local channels are not suitable for switching and/or tandem operation to the public switched network or other private line services[1]. (C)

B. SIGNALING ARRANGEMENTS FOR VOICE GRADE CHANNELS

1. Ringdown Signaling

a. Channel type 2001 does not include arrangements for signaling or talk battery.

b. Channel type 2001 two-way automatic signaling option provides ringing and talk battery between stations on two-point channels. Rates apply per channel.

c. Manual ringdown signaling option provides the capability on the channel to accommodate signaling from and to terminal equipment arranged to provide manual signaling. Rates apply per channel.

2. Loop Signaling, for use with channel type 2005, is furnished for use with grandparented and registered PBX or similar equipment in accordance with Part 68 of the FCC Rules and Regulations. Connection regulations are contained in Part 2, Section 9.

(D)

/1/ Due to manufacturer discontinuance of equipment necessary to provide Telemetry/Alarm Bridging Service (TABS) and Type 3050, these services are no longer available for new installations. Effective December 31, 2005, these services will be withdrawn and completely discontinued. (C)

1. CHANNELS (Cont'd)
1.2 Description of Channels and Services (Cont'd)
1.2.2 Description of Voice Grade Channels and Services (Cont'd)
B. SIGNALING ARRANGEMENTS FOR VOICE GRADE CHANNELS (Cont'd)
2. (Cont'd)

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

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

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

3. E & M Signaling, for use with channel type 2010, is furnished for use with grandparented and registered PBX or similar equipment in accordance with Part 68 of the FCC Rules and Regulations. Connection regulations are contained in Part 2, Section 9.

a. An E & M Signaling Arrangement is required for each tie line termination, operating in a Dial Repeating mode, at a customer premises with a registered PBX.

b. An E & M Signaling Arrangement is required for each tie line termination at a customer premises with a grandparented PBX when the tie line is arranged with an E&M signaling interface.

c. An E & M Signaling Arrangement is not required for additions to or for new installations of grandparented PBX equipment when not arranged with an E&M signaling interface.

C. CONDITIONING

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

Type C2 - For a two point or multipoint channel

-	Frequency Response	300-3000 Hz, -2dB to +6dB 500-2800 Hz, -1dB to +3dB
-	Envelope Delay Distortion	Less than 500 microseconds, 1000-2600 Hz Less than 1500 microseconds, 600-2600 Hz Less than 3000 microseconds, 500-2800 Hz

1. CHANNELS (Cont'd)
1.2 DESCRIPTION OF CHANNELS AND SERVICES (Cont'd)
1.2.2 DESCRIPTION OF VOICE GRADE CHANNELS AND SERVICES (Cont'd)
C. CONDITIONING (Cont'd)
1. (Cont'd)

Type C4 - For a two point or three point channel

-	Frequency Response	300-3200 Hz, -2dB to +6dB 500-3000 Hz, -2dB to +3dB
-	Envelope Delay Distortion	Less than 300 microseconds, 1000-2600 Hz Less than 500 microseconds, 800-2800 Hz Less than 1500 microseconds, 600-3000 Hz Less than 3000 microseconds, 500-3000 Hz

2. Type D1 Conditioning provides assured transmission quality as specified below on two point circuits only. The Company does not warrant or represent that the channel so conditioned will be suitable for voice transmission.

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

D. MULTIPOINT SERVICE OPTIONS - VOICE GRADE CHANNELS

1. General

Multipoint service provides for communications capability between more than two station locations. Bridging or hubbing arrangements located in Company wire centers are required to join multiple local channels, and if needed, an inter-wire center channel, in order to provide these service options.

Basic and other standard arrangements are described in the paragraphs that follow. Rates for these services are in 1.5 following.

1. CHANNELS (Cont'd)
1.2. DESCRIPTION OF CHANNELS AND SERVICES (Cont'd)
1.2.2 DESCRIPTION OF VOICE GRADE CHANNELS AND SERVICES (Cont'd)
D. MULTIPOINT SERVICE OPTIONS - VOICE GRADE CHANNELS (Cont'd)
1. General (Cont'd)

Inside wiring arrangements may be used to provide additional terminations of local channels. Local channels are terminated once at each premises. Additional terminations achieved by using premises wiring do not constitute additional points of a multipoint channel. Premises wiring services are available under Part 3, Section 1. For BELL Channel Services, intrasystem wiring charges apply.

Though multiple termination of channels on a customer's premises is permitted, transmission cannot be guaranteed. For example, type 2001 and 2002 channel designs do not contemplate that more than one station at a point be on line at the same time.

Customers may have multiple channel circuit legs terminated at the same premises. Charges identical to the first circuit leg at the premises apply, for each additional leg.

2. Basic Arrangements

a. Broadcast - The broadcast multi-point consists of a single master station which transmits to two or more stations. There is no return path to the master station and remote stations cannot communicate with each other. Broadcast arrangements utilize two-wire channels. A maximum number of points for this arrangement is not specified.

b. Conference - The conference multi-point consists of a number of stations (points) connected together so that transmissions of any station are received by all stations. Conference arrangements using two-wire local channels are limited to 6 points. Conference arrangements using four-wire local channels are normally limited to 20 points. Provision of arrangements with more than 20 points may result in additional charges based on additional costs.

1. CHANNELS (Cont'd)
1.2 DESCRIPTION OF CHANNELS AND SERVICES (Cont'd)
1.2.2 DESCRIPTION OF VOICE GRADE CHANNELS AND SERVICES (Cont'd)
D. MULTIPOINT SERVICE OPTIONS – VOICE GRADE CHANNELS (Cont'd)
2. Basic Arrangements (Cont'd)

c. Broadcast Polling (data only) - The broadcast polling multi-point consists of a single master station and two or more remote stations. Transmissions from the master station are received by all remote stations. Transmissions from the remote station are received only by the master station. Arrangements using two-wire local channels are limited to 6 points. The number of points allowed on an arrangement using four-wire local channels is that number that, in the opinion of the Company, may be supported using normal routing while maintaining acceptable transmission performance.

1. CHANNELS (Cont'd)
1.2 DESCRIPTION OF CHANNELS AND SERVICES (Cont'd)
1.2.2 DESCRIPTION OF VOICE GRADE CHANNELS AND SERVICES (Cont'd)

E. APPLICATION OF LINE POWER

1. Where facilities permit, line power may be ordered from the Telephone Company for use with channel types: 2001, 9001, and 9002.

2. A Design Order Charge applies if Company provided line power is ordered subsequent to the order, which installs the service to which the power is to be applied.

1. CHANNELS (Cont'd)

1.2. DESCRIPTION OF CHANNELS AND SERVICES (Cont'd)

1.2.3 DESCRIPTION OF CHANNELS AND SERVICES ABOVE VOICE GRADE

Audio channels are provided for the closed circuit (non-broadcast) uni-directional transmission of voice signals. Service is provided on a two-point basis only. Audio service is made up of local distribution channels and inter-wire center channels as required of the types described below. (C) (C) (D) (D)

A. RESERVED FOR FUTURE USE (C)

(D)

(D)

1. CHANNELS (Cont'd)
1.2. DESCRIPTION OF CHANNELS AND SERVICES (Cont'd)
1.2.3 DESCRIPTION OF CHANNELS AND SERVICES ABOVE VOICE GRADE (Cont'd)
A. RESERVED FOR FUTURE USE (Cont'd) (C)

(D)

(D)

1.2.4 DESCRIPTION OF CHANNELS AND SERVICES FOR SPECIAL APPLICATIONS

Channels for special applications are generally not in accord with the normal plan of furnishing telecommunication services.

A. SPECIAL DIGITAL CHANNEL TYPE 8806

1. Description

The Special Digital Channel Type 8806 consists of a two-wire interface with two-wire facilities. It is engineered for a loss not to exceed 45 dB at 72 kilohertz. This channel is normally suitable for provision of remote service capability in association with Switched Digital Service. In this capacity, it is made up of an Inter-Wire Center Channel and one Local Digital channel, Band 1 or Band 2, as appropriate. It is furnished for two-point service only.

2. Regulations and Limitations

a. This channel is subject to transmission specifications and limits as described in Bellcore Technical Reference PUB TR-NPL-000457.

1. CHANNELS (Cont'd)
1.2 DESCRIPTION OF CHANNELS AND SERVICES (Cont'd)
1.2.4 DESCRIPTION OF CHANNELS AND SERVICES FOR SPECIAL APPLICATIONS (Cont'd)
A. SPECIAL DIGITAL CHANNEL TYPE 8806 (Cont'd)
2. Regulations and Limitations (Cont'd)

b. The Band 1 Local Digital Channel (LDC) constitutes the portion of the service between the customer premises and the serving wire center, where the airline distance is 2 miles or less. Where the airline distance is greater than 2 miles service is provided by means of the Band 2 Local Digital Channel. Within each band, these channels are not mileage sensitive.

c. Provision of Local Digital Channels depends on the availability of suitable facilities.

B. SPECIAL SIGNALING CHANNEL TYPE 9001

1. Description

A two-wire interface with two-wire facilities for direct current transmission (metallic continuity) with signaling speeds not to exceed 30 baud. Normally suitable for remote metering, supervisory control and miscellaneous signaling purposes. Furnished for two-point service.

2. Limitations and Regulations

a. The description and the provision of rates for this channel are in recognition of the historic utilization of the metallic characteristics of Company facilities for direct current transmissions not exceeding 30 baud. Such metallic continuity facilities are rapidly being replaced with newer transmission technologies. The Company will notify existing customers at least 120 days prior to the removal of such facilities.

b. The electrical characteristics of a facility used to provide this service will depend upon the nature of the available telephone plant and will vary from service to service. The Company assumes no obligation to specially select, alter, rearrange or construct facilities and does not represent that a facility provided under this subsection is suitable for the intended customer application.

c. Power is typically provided to the channel by the CPE. The CPE power supply must be adjusted to meet the requirements of the Company provided channel. Company provided line power is an available option. See 1.2.2.E of this section for details.

1. CHANNELS (Cont'd)
1.2 DESCRIPTION OF CHANNELS AND SERVICES (Cont'd)
1.2.4 DESCRIPTION OF CHANNELS AND SERVICES FOR SPECIAL APPLICATIONS (Cont'd)
B. SPECIAL SIGNALING CHANNEL TYPE 9001 (Cont'd)
2. Limitations and Regulations (Cont'd)

d. Use of Special Signaling Channel Type 9001 is subject to transmission specifications and limits as described in Bell System Preliminary Technical Reference PUB. 41001 titled "30-Baud Private Line Channels Interface Specifications," dated December 1967 and any relevant succeeding publications. The Company may require that the purpose for which a channel is used be made known. Interconnection protection criteria and regulations as described in Section 10 of this guidebook shall apply.

C. SPECIAL SIGNALING CHANNEL TYPE 9002

1. Description

A two-wire interface with two-wire facilities for use in McCulloh Loop applications (low-speed unidirectional series-operated signaling not to exceed 30 baud). Furnished for two-point or multi-point service.

2. Regulations and Limitations

a. Special Signaling Channel type 9002 is provided either by means of metallic channels or by other means at the discretion of the Company. Dependent upon the means of provision, variation in the operation of systems connected to a multi-point channel may arise.

b. The Company will notify the customer of the type of facility arrangement to be supplied prior to installation. The Company assumes no obligation to continue providing metallic facilities where rearrangements or changing service requirements necessitate their elimination. The customer will be notified 120 days prior to the removal of metallic facilities.

c. Power is typically provided to the channel by the CPE. The CPE powersupply must be adjusted to meet the requirements of the Telephone Company provided channel. Company provided line power is an available option. See 1.2.2.E of this section for details.

d. Multi-point service is subject to a maximum of 26 points served from a total of no more than 3 wire centers. Under certain conditions, lower limits may result from facility/equipment limitations.

1. CHANNELS (Cont'd)
1.2 DESCRIPTION OF CHANNELS AND SERVICES (Cont'd)
1.2.4 DESCRIPTION OF CHANNELS AND SERVICES FOR SPECIAL APPLICATIONS (Cont'd)

D. LOCAL AREA DATA CHANNELS

1. Description

Local Area Data Channels provide channels suitable for base band transmission of data signals. Service between non-continuous property locations is limited to two-point channels within the same wire center serving area, to points that are not more than six (6) facility route miles apart. Channel definitions are listed by local channel types, although the limits and specifications apply to the overall facility.

Local Area Data Channels are provided subject to the availability of suitable facilities, using normal cable routing between the points to be served. In the event that the only available facilities require removal of bridged tap or load coils to be made suitable for the intended application, such removal will be performed at the request of the customer at additional charges based on the cost incurred in each individual circumstance.

2. Regulations

a. Local Area Data Channels are not provided for connection to the public switched network.

b. Provision of Local Area Data Channel service is subject to the availability of existing facilities. New facilities will not be constructed in order to provide this service. The Company assumes no obligation to continue such provision where rearrangements or changing service requirements necessitate the elimination of such facilities or render such facilities unsuitable for the customer application. The customer will be notified 120 days prior to the removal of such facilities.

c. Local Area Data Channel service is offered only for balanced transmission of data signals conforming to the signal power limitations and other parameters specified in Bell System Technical Reference, PUB 41028 in addition to criteria and regulations described in Part 2, Section 9, of this guidebook.

d. The customer is responsible for specifying the maximum facility route miles allowable for the intended application based on transmission specifications in 3. following. The Company will determine if a suitable channel is available to meet the customer's requirement.

1. CHANNELS (Cont'd)
1.2 DESCRIPTION OF CHANNELS AND SERVICES (Cont'd)
1.2.4 DESCRIPTION OF CHANNELS AND SERVICES FOR SPECIAL APPLICATIONS (Cont'd)
D. LOCAL AREA DATA CHANNELS (Cont'd)

3. Channel Parameters

Transmission specifications for Local Area Data Channels are dependent upon the route length and the character of the facilities utilized to provide the service. The insertion loss specifications below are expected maximums at the frequency indicated when the circuit is terminated in 135 ohm resistive impedances at both ends. Actual insertion loss may vary depending upon the exact length and type of cable facilities utilized to provide the channel.

Facility Length-Miles	Insertion Loss in dB at 1,000Hz[1]
1	10.5
2	14.5
3	18.0
4	21.0
5	23.5
6	26.5

Insertion loss at other frequencies and additional parameters are as stated in Bell System Technical Reference, PUB 41028.

4. Local channels

Local channels for Local Area Data Channels are available as follows:

Type 9080 - A two-wire interface with two-wire facilities; channel parameters as stated above.

Type 9081 - A four-wire interface with four-wire facilities; channel parameters as stated above.

NOTE 1: Insertion loss is referenced to 135 ohm resistive terminations at each end.

1. CHANNELS (Cont'd)

1.4 INTER-WIRE CENTER EXCHANGE SERVICE

Inter-Wire Center Exchange Service (IWCES) is exchange service furnished from a wire center other than that from which the customer's service is normally provided. IWCES may be provided between wire centers in the same or different exchanges.

1.4.1 SERVICE COMPONENTS

A. GENERAL

There are three basic service components for IWCES:

- a type 2006 inter-wire center channel
- a type 2006 local distribution channel
- a single party, non-public exchange line.

Rates and charges for type 2006 channels are in section 1.5 following. Rates for Wisconsin Bell, LLC exchange lines appear in Part 4, Section 2. This service is not available in connection with public or semi-public telephone service. Optional calling to the Milwaukee Metroplan area is not available with IWCES. (C) (C)

1. CHANNELS (Cont'd)
1.4 INTER-WIRE CENTER EXCHANGE SERVICE (Cont'd)
1.4.1 SERVICE COMPONENTS (Cont'd)

B. METROPLAN OUTLYING AREA DIFFERENTIALS

In addition to the three basic service components for IWCES, Metroplan Outlying Area Differentials apply at the rates following when the IWCES customer's service location is outside of the Milwaukee Metroplan Area.

	USOC	Monthly Rate
1. Metroplan Outlying Area Differential Number 1	FVWX1	$70.00

a. Wire Centers and prefixes (all area code 414) to which the rate applies:

Wire Center	Prefixes
Big Bend	662
Caledonia	835
Cedarburg	243, 375, 377
Hartland	367, 369
Merton	538
North Lake	966

	USOC	Monthly Rate
2. Metroplan Outlying Area Differential Number 2	FVWX2	$35.00

a. Wire Centers and prefixes (all area code 414) to which the rate applies:

Wire Center	Prefixes
County Line	238, 242, 354, 355, 357, 362, 365
Muskego	422, 679
Pewaukee	691, 695
Pilgrim Road	251, 253, 255
Sussex	246
Waukesha	521, 524, 542, 544, 547, 548, 549, 574, 896

1. CHANNELS (Cont'd)
1.4 INTER-WIRE CENTER EXCHANGE SERVICE (Cont'd)

1.4.2 INTER-WIRE CENTER STATION SERVICE

Inter-Wire Center Station Service is similar to IWCES except that the customer's exchange service is extended to a second location. The service may be extended to a location within the same wire center serving area as the primary location, or in the serving area of the wire center which provides dial tone.

	USOC	Nonrecurring Charge	Monthly Rate
Station Bridging Service Option	EHA	$200.00	$ 5.00

1.4.3 WIRE CENTER STATION SERVICE

A. GENERAL

Wire Center Station Service is the extension of a non-public exchange line to a second location within the same wire center serving area. The customer's secondary location is the location not listed in the directory.

B. RATE APPLICATION

In addition to the rates and charges for exchange service, a Station Bridging Service Option shown in 1.4.2 preceding and Type 2006 local distribution channel recurring rates and per channel nonrecurring charges apply.

1.5 RATES AND CHARGES

1.5.1 GENERAL

A.

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.1 GENERAL (Cont'd)

B. APPLICATION OF NON-RECURRING CHARGES

Non-recurring charges for channels and services described in this section of the guidebook include work done up to the point of minimum penetration and are applied on a per design order, per channel basis. Service connection charges contained in Part 3, Section 1, do not apply to these channels or services unless otherwise stated. Extension of network terminating or inside wire used in conjunction with BELL Channel Services is work done on the customer side of the minimum point of penetration and is subject to service connection charges contained in Part 3, Section 1.

1. Per channel charges apply for each channel connecting the same terminating points. Specific per channel charges for each part, i.e., local distribution channels, inter-wire center channels, etc., are cumulatively applied for the overall per channel charge.

2. Per design order charges apply cumulatively to the parts of the overall channel. However, they apply only once per occasion of a customer's request for identical services connecting the same terminating points.

3. Non-recurring charges for the Special Digital Channel Type 8806, which provides remote service capability for Switched Digital Service, are in addition to the installation charges shown in Part 3, Section 1. However, the Design Order Charge shown in Section 1.5.2 of this guidebook, applies instead of the Design Order Charge in Part 3,Section 1, which is applicable to Switched Digital Service provided within the same wire center serving area as the location of the switch.

4. A special billing option is available to Inter-Wire Center Exchange Service (IWCES) or Inter-Wire Center Station Service (IWCSS) customers.

   When ordering service, the customer may choose a reduced Design Order Charge of $250.00. To qualify for this special billing option, the service must continue unchanged for 12 months at the same address. If disconnected prior to the 12 month period, a termination liability applies, which is the difference between the $250.00 Design Order Charge actually paid and the full Design Order Charge which would have otherwise been applicable.

   This option is limited to customers whose telephone service consists entirely of:

   - A single exchange line (IWCES, IWCSS or local)

   - One local exchange line and one IWCES or IWCSS line

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.1 GENERAL (Cont'd)

C. INSTALLMENT PAYMENT PLAN FOR NON-RECURRING CHARGES

Customers may, at the time of ordering, elect to pay non-recurring charges for BELL Channel Services in consecutive equal monthly installments over a period of three months.

D. APPLICATION OF RECURRING RATES

Recurring rates apply for each channel, service or option described in this section on a monthly basis unless otherwise noted.

E. APPLICATION OF MULTI-POINT CHANNEL RATES

Multi-point channels are bridged and serviced from the wire center. Multi-point circuit legs within a wire center serving area are to be rated as local distribution channels of the same channel type unless otherwise specifically noted in this guidebook. Bridging equipment and other multi-point related service options apply, as appropriate, in addition to the rates and charges for multi-point channels.

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)

1.5.2 RECURRING AND NONRECURRING CHARGES

A. CHANNELS

Channel Type	Class of Service	Channel Element	Billing Increment	USOC	Current Monthly Rate	Non-recurring Charges Per Channel	Design Order Charge Per Order
	TWP7L (tele-type)	WCC	Initial 1/4 mile	1L9X6	$80.00	$25.00	450.00
			Subsequent 1/4 mile	1L9X6	0.00		
1050	DAT8I (data)	LDC	Initial 1/4 mile	1LDHJ	$80.00	25.00	
			Subsequent 1/4 mile	1LDHJ	0.00		
	RMT7L (misc.)	Multi-point Option	Per LDC[1]	MPY1X	22.90	25.00	
	TWP7L (tele-type)	WCC	Initial 1/4 mile	1L9X7	$78.00	$25.00	450.00
			Subsequent 1/4 mile	1L9X7	0.00		
1051	DAT8I (data)	LDC	Initial 1/4 mile	1LDFJ	$71.00	25.00	
			Subsequent 1/4 mile	1LDFJ	0.00		
	RMT7L (misc.)	Multi-point Option	Per LDC[1]	MPY2X	22.90	25.00	

WCC - Wire Center Channel
LDC - Local Distribution Channel

NOTE 1: Multi-point service is comprised of local distribution channels as stated is Section 1 of this Part. The multi-point option apples in addition to the LDC rates and charges.

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.2 RECURRING AND NONRECURRING CHARGES (Cont'd)
A. CHANNELS (Cont'd)

Channel Type	Class of Service	Channel Element	Billing Increment	USOC	Current Monthly Rate	Non-recurring Charges Per Channel	Design Order Charge Per Order
2001	PLYVS (inter-exchange)	WCC	Initial 1/4 mile	1L9X6	$103.10	$ 25.00	$425.00
			Subsequent 1/4 mile	1L9X6	13.40		
		LDC	Initial 1/4 mile	1LD2J	103.10	25.00	
			Subsequent 1/4 mile	1LD2J	10.20		
	PLYVL (intra-exchange)	IWCC	Initial Mile	1LN2X	90.80	-	475.00
			Subsequent Mile	1LN2X	11.80		
		Multi-point Option	Per LDC[1]	MPY1X	23.25	100.00	

WCC - Wire Center Channel
LDC - Local Distribution Channel
IWCC - Inter-Wire Center Channel

NOTE 1: Multi-point service is comprised of local distribution channels as stated in Section 1 of this Part. The multi-point option applies in addition to the LDC rates and charges.

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.2 RECURRING AND NONRECURRING CHARGES (Cont'd)
A. CHANNELS (Cont'd)

Channel Type	Class of Service	Channel Element	Billing Increment	USOC	Current Monthly Rate	Non-recurring Charges Per Channel	Design Order Charge Per Order
2002	PLYVS (inter-exchange)	WCC	Initial 1/4 mile	1L9X7	$168.40	$ 25.00	$425.00
			Subsequent 1/4 mile	1L9X7	33.60		
		LDC	Initial 1/4 mile	1LD4J	55.00	25.00	
			Subsequent 1/4 mile	1LD4J	6.15		
	PLYVL (intra-exchange)	IWCC	Initial Mile	1LN4X	103.10	-	475.00
			Subsequent Mile	1LN4X	11.80		
		Multi-point Option	Per LDC[1]	MPY2X	31.00	100.00	

WCC - Wire Center Channel
LDC - Local Distribution Channel
IWCC - Inter-Wire Center Channel

NOTE 1: Multi-point service is comprised of local distribution channels as stated in Section 1 of this Part. The multi-point option applies in addition to the LDC rates and charges.

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.2 RECURRING AND NONRECURRING CHARGES (Cont'd)
A. CHANNELS (Cont'd)

Channel Type	Class of Service	Channel Element	Billing Increment	USOC	Current Monthly Rate	Non-recurring Charges Per Channel	Design Order Charge Per Order
2003	OMRVS (inter-exchange)	WCC	Initial 1/4 mile	1L9X6	$41.85	$25.00	$425.00
			Subsequent 1/4 mile	1L9X6	5.40		
		LDC	Initial 1/4 mile	1LD2J	41.85	25.00	475.00
			Subsequent 1/4 mile	1LD2J	3.35		
	OMRVL (intra-exchange)	IWCC	Initial Mile	1LN2X	29.25	-	
			Subsequent Mile	1LN2X	3.87		
		Multi-point Option	Per LDC[1]	MPY1X	23.25	100.00	

WCC - Wire Center Channel
LDC - Local Distribution Channel
IWCC - Inter-Wire Central Channel

NOTE 1: Multi-point service is comprised of local distribution channels as stated in Section 1 of this Part. The multi-point option applies in addition to the LDC rates and charges.

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.2 RECURRING AND NONRECURRING CHARGES (Cont'd)
A. CHANNELS (Cont'd)

Channel Type	Class of Service	Channel Element	Billing Increment	USOC	Current Monthly Rate	Non-recurring Charges Per Channel	Design Order Charge Per Order
2004	OMRVS (inter-exchange)	WCC	Initial 1/4 mile	1L9X7	$54.25	$ 25.00	$425.00
			Subsequent 1/4 mile	1L9X7	10.85		
		LDC	Initial 1/4 mile	1LD4J	55.00	25.00	475.00
			Subsequent 1/4 mile	1LD4J	6.15		
	OMRVL (intra-exchange)	IWCC	Initial Mile	1LN4X	41.85	-	
			Subsequent Mile	1LN4X	3.87		
		Multi-point Option	Per LDC[1]	MPY2X	31.00	100.00	

WCC - Wire Center Channel
LDC - Local Distribution Channel
IWCC - Inter-Wire Central Channel

NOTE 1: Multi-point service is comprised of local distribution channels as stated in Section 1 of this Part. The multi-point option applies in addition to the LDC rates and charges.

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.2 RECURRING AND NONRECURRING CHARGES (Cont'd)
A. CHANNELS (Cont'd)

Channel Type	Class of Service	Channel Element	Billing Increment	USOC	Current Monthly Rate	Non-recurring Charges Per Channel	Design Order Charge Per Order
2005	PLYPS (inter-exchange)	WCC	Initial 1/4 mile	1L9X6	$142.40	$25.00	$425.00
			Subsequent 1/4 mile	1L9X6	16.60		
		LDC	Initial 1/4 mile	1LD2J	144.30	25.00	
			Subsequent 1/4 mile	1LD2J	10.20		
	PLYPL (intra-exchange)	IWCC	Initial Mile	1LN2X	90.80	-	475.00
			Subsequent Mile	1LN2X	11.80		

WCC - Wire Center Channel
LDC - Local Distribution Channel
IWCC - Inter-Wire Center Channel

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.2 RECURRING AND NONRECURRING CHARGES (Cont'd)
A. CHANNELS (Cont'd)

Channel Type	Class of Service	Channel Element	Billing Increment	USOC	Current Monthly Rate	Non-recurring Charges Per Channel	Design Order Charge Per Order
2006	Residence FVDXS (inter-exchange)	LDC	Initial 1/4 mile	1LDVJ	$45.95	$25.00	$450.00
	FVDXL (intra-exchange)		Subsequent 1/4 mile	1LDVJ	3.35		
	Business FXSTS/ FX6TS (inter-exchange)	IWCC	Initial Mile	1LNVX	90.80	-	
	FXSTL/ FX6TL (intra-exchange)		Subsequent Mile	1LNVX	11.80		

LDC - Local Distribution Channel
IWCC - Inter-Wire Center Channel

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.2 RECURRING AND NONRECURRING CHARGES (Cont'd)
A. CHANNELS (Cont'd)

Channel Type	Class of Service	Channel Element	Billing Increment	USOC	Current Monthly Rate	Non-recurring Charges Per Channel	Design Order Charge Per Order
2007	PLYSS (inter-exchange)	LDC	Initial 1/4 mile	1LD2J	$38.75	$25.00	$475.00
			Subsequent 1/4 mile	1LD2J	3.12		
	PLYSL (intra-exchange)	IWCC	Initial Mile	1LN2X	27.10	-	
			Subsequent Mile	1LN2X	3.87		
2008	PLYDS (inter-exchange)	WCC	Initial 1/4 mile	1L9X6	38.75	25.00	450.00
			Subsequent 1/4 mile	1L9X6	5.40		
		LDC	Initial 1/4 mile	1LD2J	38.75	25.00	500.00
			Subsequent 1/4 mile	1LD2J	3.12		
	PLYDL (intra-exchange)	IWCC	Initial Mile	1LN2X	27.10	-	
			Subsequent Mile	1LN2X	3.87		

WCC - Wire Center Channel
LDC - Local Distribution Channel
IWCC - Inter-Wire Central Channel

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.2 RECURRING AND NONRECURRING CHARGES (Cont'd)
A. CHANNELS (Cont'd)

Channel Type	Class of Service	Channel Element	Billing Increment	USOC	Current Monthly Rate	Non-recurring Charges Per Channel	Design Order Charge Per Order
2010	CO-PREM PTBCS (inter-exchange) PTBCL (intra-exchange) CO-CO PTBTS (inter-exchange) PTBTL (intra-exchange)	LDC	Initial 1/4 mile	1LD4J	$62.00	$25.00	$475.00
			Subsequent 1/4 mile	1LD4J	6.15		
	PREM-PREM PTBVS (inter-exchange) PTBVL (intra-exchange)	IWCC	Initial Mile	1LN4X	41.85	-	
			Subsequent Mile	1LN4X	3.87		

LDC - Local Distribution Channel
IWCC - Inter-Wire Central Channel

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.2 RECURRING AND NONRECURRING CHARGES (Cont'd)
A. CHANNELS (Cont'd)

Channel Type	Class of Service	Channel Element	Billing Increment	USOC	Current Monthly Rate	Non-recurring Charges Per Channel	Design Order Charge Per Order
3002	DATVS (inter-exchange)	WCC	Initial 1/4 mile	1L9X7	$164.30	$ 25.00	$425.00
			Subsequent 1/4 mile	1L9X7	33.60		
		LDC	Initial 1/4 mile	1LD4J	277.00	25.00	475.00
			Subsequent 1/4 mile	1LD4J	18.70		
	DATVL (intra-exchange)	IWCC	Initial Mile	1LN4X	114.10	-	
			Subsequent Mile	1LN4X	11.80		
		Multi-point option	Per LDC[1]	MPY2X	38.75	150.00	

WCC - Wire Center Channel
LDC - Local Distribution Channel
IWCC - Inter-Wire Center Channel

NOTE 1: Multi-point service is comprised of local distribution channels as stated in Section 1 of this Part. The multi-point option applies in addition to the LDC rates and charges.

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.2 RECURRING AND NONRECURRING CHARGES (Cont'd)
A. CHANNELS (Cont'd)

Channel Type	Class of Service	Channel Element	Billing Increment	USOC	Current Monthly Rate	Non-recurring Charges Per Channel	Design Order Charge Per Order
3003	DATWS (inter-exchange)	WCC	Initial 1/4 mile	1L9X6	$ 36.75	$ 25.00	$425.00
			Subsequent 1/4 mile	1L9X6	5.40		
		LDC	Initial 1/4 mile	1LD2J	164.30	25.00	475.00
			Subsequent 1/4 mile	1LD2J	7.30		
	DATWL (intra-exchange)	IWCC	Initial Mile	1LN2X	88.00	-	
			Subsequent Mile	1LN2X	11.80		
		Multi-point option	Per LDC[1]	MPY1X	38.75	150.00	

WCC - Wire Center Channel
LDC - Local Distribution Channel
IWCC - Inter-Wire Center Channel

NOTE 1: Multi-point service is comprised of local distribution channels as stated in Section 1 of this Part. The multi-point option applies in addition to the LDC rates and charges.

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.2 RECURRING AND NONRECURRING CHARGES (Cont'd)
A. CHANNELS (Cont'd)

Channel Type	Class of Service	Channel Element	Billing Increment	USOC	Current Monthly Rate	Non-recurring Charges Per Channel	Design Order Charge Per Order
3040[1]	DS5CS (inter-exchange)	LDC	Initial 1/4 mile	1LD2J	$55.85	$25.00	$475.00
	DS5CL (intra-exchange)		Subsequent 1/4 mile	1LD2J	3.12		
	TA3CS (inter-exchange)						
	TA3CL (intra-exchange)	IWCC	Initial Mile	1LN2X	27.10	-	
			Subsequent Mile	1LN2X	3.87		

LDC - Local Distribution Channel
IWCC - Inter-Wire Central Channel

NOTE 1: Due to manufacturer discontinuance of equipment necessary to provide this service, it is no longer available for new installations. Effective September 1, 2003, this service will be withdrawn and completely discontinued.

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.2 RECURRING AND NONRECURRING CHARGES (Cont'd)
A. CHANNELS (Cont'd)

Channel Type	Class of Service	Channel Element	Billing Increment	USOC	Current Monthly Rate	Non-recurring Charges Per Channel	Design Order Charge Per Order
3041[1]	DS5DS (inter-exchange)	LDC	Initial 1/4 mile	1LD4J	$86.75	$25.00	$475.00
	DS5DL (intra-exchange)		Subsequent 1/4 mile	1LD4J	6.15		
	TA3DS (inter-exchange)						
	TA3DL (intra-exchange)	IWCC	Initial Mile	1LN4X	31.00	-	
			Subsequent Mile	1LN4X	3.87		

LDC - Local Distribution Channel
IWCC - Inter-Wire Central Channel

NOTE 1: Due to manufacturer discontinuance of equipment necessary to provide this service, it is no longer available for new installations. Effective September 1, 2003, this service will be withdrawn and completely discontinued.

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.2 RECURRING AND NONRECURRING CHARGES (Cont'd)
A. CHANNELS (Cont'd)

Channel Type	Class of Service	Channel Element	Billing Increment	USOC	Current Monthly Rate	Non-recurring Charges Per Channel	Design Order Charge Per Order[1]
3060	PFS9S (inter-exchange) PFS9L (intra-exchange)	IWCC	Per Mile	1LN9X	$2.74(I)	$25.00	$500.00

NOTE 1: The Design Order Charge does not apply if a customer orders this service at the same time that the associated termination(s) for Ameritech Central Office Information Manager Service (ACOIM) is requested as specified in P.S.C. of W. 20, Part 20, Section 6.

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.2 RECURRING AND NONRECURRING CHARGES (Cont'd)
A. CHANNELS (Cont'd)

Channel Type	Class of Service	Channel Element	Billing Increment	USOC	Current Monthly Rate	Non-recurring Charges Per Channel	Design Order Charge Per Order[1]
3061	PFS1S (inter-exchange) PFS1L (intra-exchange)	IWCC	Per Mile	1LNJX	$3.49	$40.00	$500.00
3062	PFS5S (inter-exchange) PFS5L (intra-exchange)	IWCC	Per Mile	1LN5X	3.87	75.00	500.00

NOTE 1: The Design Order Charge does not apply if a customer orders this service at the same time that the associated termination(s) for Ameritech Central Office Information Manager Service (ACOIM) is requested as specified in P.S.C. of W. 20, Part 20, Section 6.

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.2 RECURRING AND NONRECURRING CHARGES (Cont'd)
A. CHANNELS (Cont'd)

(D)

(D)

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.2 RECURRING AND NONRECURRING CHARGES (Cont'd)
A. CHANNELS (Cont'd)

(D)

(D)

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.2 RECURRING AND NONRECURRING CHARGES (Cont'd)
A. CHANNELS (Cont'd)

(D)

(D)

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.2 RECURRING AND NONRECURRING CHARGES (Cont'd)
A. CHANNELS (Cont'd)

Channel Type	Class of Service	Channel Element	Billing Increment	USOC	Current Monthly Rate	Non-recurring Charges Per Channel	Design Order Charge Per Order
		LDC	Band 1	1LDPX	$30.50	$25.00	
			Band 2	1LDP2	74.25	25.00	
8806	PLD7S (inter-exchange)	IWCC	Initial Mile	1LNDX	30.50	-	$495.00
			Subsequent Mile	1LNDX	3.82		
	RMT1S (inter-exchange)	WCC	Initial 1/4 mile	1L9X6	55.90	25.00	425.00
			Subsequent 1/4 mile	1L9X6	5.30		
9001	RMT1L (intra-exchange)	LDC	Initial 1/4 mile	1LDDJ	22.00	25.00	
			Subsequent 1/4 mile	1LDDJ	2.30		510.00
		IWCC	Initial Mile	1LNDX	21.50	-	
			Subsequent Mile	1LNDX	12.00		

WCC - Wire Center Channel
LDC - Local Distribution Channel
IWCC - Inter-Wire Center Channel

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.2 RECURRING AND NONRECURRING CHARGES (Cont'd)
A. CHANNELS (Cont'd)

Channel Type	Class of Service	Channel Element	Billing Increment	USOC	Current Monthly Rate	Non-recurring Charges Per Channel	Design Order Charge Per Order
9002	RMT2S (inter-exchange)	WCC	Initial 1/4 mile	1L9X7	$20.00	$25.00	$450.00
			Subsequent 1/4 mile	1L9X7	2.20		
	RMT2L (intra-exchange)	LDC	Initial 1/4 mile	1LDDJ	18.50	25.00	510.00[1]
			Subsequent 1/4 mile	1LDDJ	1.30		
		IWCC	Initial Mile	1LNDX	15.00		
			Subsequent Mile	1LNDX	7.00		
9080	LDCCL	WCC	Initial 1/4 mile	1L9X6	23.00	25.00	400.00
			Subsequent 1/4 mile	1L9X6	0.00		
9081	LDCCL	WCC	Initial 1/4 mile	1L9X7	35.00	25.00	400.00
			Subsequent 1/4 mile	1L9X7	0.00		

WCC - Wire Center Channel
LDC - Local Distribution Channel
IWCC - Inter-Wire Central Channel

NOTE 1: This charge applies to 2-point or multi-point channels between wire centers. Multi-point channels within the same wire center serving area re subject to a Design Order Charge of $450.00

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.2 RECURRING AND NONRECURRING CHARGES (Cont'd)

B. SIGNALING

For Channel Type	Type of Signaling	USOC	Current Monthly Rate	Non-recurring Charge
2001	Manual Ringdown, per channel	SL31X	$62.00(I)	$25.00
	Automatic Ringdown, per channel	YY81X	54.25	25.00
2005	Loop Type A, per channel	SAL1X	15.50	25.00
	Loop Type B, per channel	SAU1X	15.50	25.00
	Loop Type C, per channel	SAY1X	15.50	10.00
2010	E & M, per channel	SLM1X	15.50(I)	5.00

C. CONDITIONING

For Channel Type	Type of Signaling	USOC	Current Monthly Rate	Non-recurring Charge
3002 Two-Point	C-2, per channel	9GA1X	$31.00(I)	$25.00
	C-4, per channel	9LA1X	31.00	25.00
	D-1, per channel	QHA1X	62.00	25.00
3002 Multi-Point	C-2, per LDC	9JA1X	37.25	25.00
	C-4, per LDC	9NA1X	55.75(I)	25.00

LDC - Local Distribution Channel

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.2 RECURRING AND NONRECURRING CHARGES (Cont'd)

F. APPLICATION OF LINE POWER

Channel Type	Channel Element	USOC	Current Monthly Rate	Nonrecurring Charges Per Channel	Design Order Charge[1]
2001, 9001, or 9002	Same WC	PWG1X	$ 69.75	$350.00	$450.00
	Different WC	PWG2X	130.00	350.00	450.00

NOTE 1: For applicability, see 1.2.2.E.2 preceding.

1. CHANNELS (Cont'd)
1.5 RATES AND CHARGES (Cont'd)
1.5.2 RECURRING AND NONRECURRING CHARGES (Cont'd)

H. ISOLATORS

Description /Billing Code/	Nonrecurring Charge	Monthly Price
Service Elements		
Isolators		
- 18KV, 4 pair Common Equipment /8KE4X/	$734.00	$70.75
- 18KV, 8 pair Common Equipment /8KE8X/	734.00	78.25
- 18KV, 12 pair Common Equipment /8KE2X/	774.00	93.50
- 18KV, 16 pair Common Equipment /8KE6X/	774.00	101.00

O. BALANCED PROTECTION

Description /Billing Code/	Nonrecurring Charge	Monthly Price
Service Elements		
Balanced Protection		
Mutual Drainage Reactor		
- Installed at Central Office /AS3HC/	$500.00	$12.90
- Installed at customer site /AS3HP/	500.00	12.90