REGULATIONS

A. U. S. Government Executive Departments and Agencies/1/

Equipment of a Department or Agency of the Executive Branch of the U. S. Government used for the purpose of disguising or concealing the contents or meaning of communications may be connected to Company services, subject to the regulations and conditions below:

a. The head of the Department or Agency whose equipment is to be connected or his authorized representative, shall notify the Company in writing that such connection is necessary to safeguard official information which requires protection in the interests of national defense, or other confidential official information disclosure of which to unauthorized persons would be detrimental to the public interest.

b. The Government equipment shall be so constructed, maintained and operated as to work satisfactorily with the facilities of the Company.

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

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MULTI-SERVICE OPTICAL NETWORK RING SERVICE/1/

A. Service Description

Multi-service Optical Network Ring (MON Ring) Service provides high volume optical transport utilizing multiplexing technology in a ring configuration. Multiple data signals are transmitted over fiber-optic cable using different wavelengths of light. Each of these wavelengths represents a transmission channel in the MON system and is protocol independent of every other channel in the system.

MON Ring Service is only available within the Local Access and Transport Areas (LATAs) served by and within the service territories of the Company.

MON Ring Service allows customers to combine their multiple data signals so that they can be amplified and transported over one network. MON Ring Service provides dedicated capacity over a single pair of fiber in two directions that increases capacity without limiting customer-required data interfaces.

Sub-Rate Systems

Sub-Rate System - provide a multiplexing system operating at 1.25 Gbps with 4 ports. Applicable to ESCON™, Fast Ethernet, D1 Video, DVB-ASI Video and OC-3/OC-3c port interfaces. Sub-rate multiplexing is offered at the serving wire center only for OC-3/OC-3c./2/

ESCON™ Sub-Rate System - provides a multiplexing system which allows customers to put up to 8 ESCON™ Channels (no other protocol) on one port card./2/

GigE/FC/FICON™ Sub-Rate System - provides a multiplexing system which allows customers to put 2 Gigabit Ethernet (GigE) Channels or 2 Fibre Channels (1.0625 Gbps) or 2 FICON™ Channels (1.0625 Gbps) or any combination thereof totaling two channels on the sub-rate system. Fibre Channel (2.125 Gbps) or FICON™ Channel (2.125 Gbps) cannot be placed on this sub-rate system.

OC-3/OC-12 Sub-Rate System – provides a multiplexing system which allows customers to put up to either 4 OC-3/OC-3c signals or OC-12/OC-12c signals or combinations thereof on one card. This sub-rate multiplexing system will have independent timing which allows multiple OC-3/OC-3c services or OC-12/OC-12c services on one port card./2/

SONET OC-48 Sub-Rate System – provides a multiplexing system which allows customers to put up to four (4) OC-48/OC-48c signals on one card./3/

/1/ Effective December 1, 2012, Multi-Service Optical (MON) Ring Service is not available for new installations. Existing MON Ring customers will be permitted to modify their service by adding new circuits to their existing service, but will not be permitted to add new nodes in new locations. New circuits added to existing locations will utilize the customer's existing Term Payment Plan (TPP) and should be coterminous with the customer's existing TPP. Customers with TPPs that expire may not extend their service contract. In addition, effective December 1, 2016, no Move, Add or Change orders of any type will be accepted for MON Ring Service.
/2/ Available where facilities and equipment permit.
/3/ Available where facilities and equipment permit beginning November 30, 2005.

MULTI-SERVICE OPTICAL NETWORK RING SERVICE/1/ (cont'd)

A. Service Description (cont'd)

MON Ring Service offers the following port interfaces:

IBM Protocols:/2/

ESCON™ (200 Mbps) – Enterprise Systems Connection. An IBM duplex optical connection used for computer-to-computer data exchange. ESCON™ is limited to a maximum distance of 43 km and actual data throughput is distance sensitive. ESCON™ is offered as a riding circuit where facilities and equipment permit.

ETR/CLO™ (8 Mbps – Manchester Encoded) – External Timing References//Control Link Oscillator. This protocol is used for IBM GDPS™ architecture for multiple-location host processors. ETR/CLO™ is limited to a maximum distance of 40 km.

FICON™ (1.0625 Gbps and 2.125 Gbps) – A higher-speed evolution of ESCON™, enabling 1 Gbps connectivity among mainframes, storage devices and peripherals. FICON™ is limited to a maximum distance of 100 km and actual data throughput is distance sensitive. 1.0625 Gbps service is offered as a riding circuit where facilities and equipment permit. 1.0625 Gbps service is capable of being multiplexed on the GigE/FC/FICON™ Sub-Rate System.

ISC-1™ (1.0625 Gbps) – Inter-System Coupling. This protocol is used with IBM GDPS™ architecture for multiple-location host processors. ISC-1™ is limited to a maximum distance of 40 km.

ISC-3™ (2.125 Gbps) – Inter-System Channel. ISC-3™ links have a peak data rate of 2.125 Gbps and can interconnect IBM™ eServer z900 systems for distances up to 100 km.

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/2/ ESCON™, ETR/CLO™, FICON™, ISC-1™, ISC-3™, and GDPS™ are registered trademarks of the International Business Machines (IBM) Corporation, Armonk, NY 10504.

MULTI-SERVICE OPTICAL NETWORK RING SERVICE/1/ (cont'd)

A. Service Description (cont'd)

Other Protocols:

Fibre Channel (1.0625 Gbps and 2.125 Gbps) – an industry standard protocol used to interconnect Storage Area Networks (SANs). Fibre Channel is limited to a maximum distance of 100 km and actual data throughput is distance sensitive. 1.0625 Gbps service is offered as a riding circuit where facilities and equipment permit. 1.0625 Gbps service is capable of being multiplexed on the GigE/FC/FICON™ Sub-Rate System.

Fast Ethernet – a version of Ethernet that allows data transmission rates of 100 Mbps. Offered as a riding circuit where facilities and equipment permit.

Gigabit Ethernet – a version of Ethernet that allows data transmission rates of 1 Gbps. Gigabit Ethernet (GigE) is offered as a riding circuit where facilities and equipment permit.

10 Gigabit Ethernet (WAN-PHY) – a version of Ethernet that allows data transmission rates of 9.953 Gbps with a WAN-PHY only interface.

10 Gigabit Ethernet (LAN-PHY) – a version of Ethernet that allows data transmission rates of 10.3125 Gbps with a LAN-PHY only interface.

D1 Video – uncompressed digital video signal operating at 270 Mbps. Offered as a riding circuit where facilities and equipment permit.

DVB-ASI Video – Digital Video Broadcasting – provides a 1310 nm optical interface at 270 Mbps. Offered as a riding circuit where facilities and equipment permit.

SONET OC-3/OC-3c - provides a fiber-based 155.52 Mbps synchronous optical full duplex data transmission capability. Offered as a riding circuit where facilities and equipment permit./2/

SONET OC-12/OC-12c - provides a fiber-based 622.08 Mbps synchronous optical full duplex data transmission capability. Offered as a riding circuit where facilities and equipment permit./2/

SONET OC-48/OC-48c - provides a fiber-based 2488.32 Mbps synchronous optical full duplex data transmission capability. Offered as a riding circuit where facilities and equipment permit beginning November 30, 2005./2/

SONET OC-192/OC-192c - provides a fiber-based 9953.28 Mbps synchronous optical full duplex data transmission capability./2/

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/2/ These port interfaces are available at both the Customer Premises Node and the Central Office Node. All other port interfaces are available only at the Customer Premises Node.

MULTI-SERVICE OPTICAL NETWORK RING SERVICE/1/ (cont'd)

B. Definitions

Bulk Power
Provides for customer premises node power which will be required if the customer's power source is AC.

Central Office Node
Provides for the termination of service at a serving wire center.

Channel Mileage
Provides for the transmission facilities between the serving wire centers associated with the Central Office Nodes and Customer Premises Nodes.

Channel Protection (Optional)
Provides protection for a single channel toward the network. It does not protect the channel against failure towards the customer interface. Protection reduces the maximum individual channel capacity of the system.

Customer Premises Node
Provides for the termination of service at the customer's premises and presents the various selected ports to the customer.

Optical Amplifier
Provides for an optical signal boost if the distance between nodes exceeds the transmission loss parameters (link loss specific). Engineering considerations may dictate the need for more than one optical amplifier on a circuit route. These additions may be service affecting. Optical amplifiers may be located at a Customer Premise Node, a Central Office Node, or at a serving wire center.

Port
Provides the channel interface at any Node location for each unprotected or protected channel.

Regenerator
Provides for re-timing, re-shaping and regeneration of the signal if degradation exceeds the dispersion or optical amplifier noise limits. Provided on a per shelf basis for up to 2.5 Gigabit Ethernet service. Provided on a per circuit, per each location the circuit is regenerated basis, for up to 10 Gigabit Ethernet service.

Sub-Rate System
Allows for multiple ports, also called riding circuits, on a single wavelength.

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MULTI-SERVICE OPTICAL NETWORK RING SERVICE/1/ (cont'd)

C. Regulations

The regulations, rates and charges specified herein are in addition to other regulations, rates and charges as specified in this guidebook.

1. The services provided for MON Ring Service are primarily designed to meet the private line communications requirements of business customers, and the regulations herein reflect the reasonable support on the part of the Company in assisting the customer in the ordering and provisioning of private line services. This assistance includes, but is not limited to, advice as to which private line service best meets the customer's requirements, taking into consideration the customer's present and future communications needs. In addition, the Company will continue to assist and advise the customers and cooperatively respond to the requirements of the customer until such time as the private line service is discontinued. The aforementioned level of assistance is considered to be part of the private line service offering and will be provided at no additional charge.

2. MON Ring Service is only available under a Term Payment Plan with a thirty-six month or sixty-month minimum service period for which rates and charges are applicable. When a service is discontinued prior to the expiration of the minimum period, termination charges are applicable for the remaining portion of the minimum period, whether the service is used or not, and will be based on the rates in effect for the service at the time of discontinuance. (See Section 16.8.1 following.)

3. The customer provided equipment must deliver the data signals for the MON Ring Service transport within the industry specification for the subscribed data services.

4. MON Ring Service provides physical layer transport only. The Company assumes no responsibility for the signals generated by the customer, for the quality of or defects in such signals, for the reception of signals by the customer, or address signaling to the extent addressing is performed by the customer. Error detection and correction of data generated by the customer is the customer's responsibility.

5. The service is considered interrupted when the customer reports a service disruption to the Company and the Company confirms that continuity of its service has been lost.

6. MON Ring Service may have distance limitations based on the services carried and may require routing through wire centers (central offices) based on loss limits between nodes. Services with facility length limitations may not be available on some MON rings, or may not be available between some nodes on certain MON rings.

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MULTI-SERVICE OPTICAL NETWORK RING SERVICE[/1/] (cont'd)

C. Regulations (cont'd)

7. Optical Amplifiers and/or Regenerators may have to be added to a MON Ring Service subsequent to the initial installation.

8. When additional services are added, such installation may cause a service interruption to existing unprotected channels, or a protection switch on protected channels.

9. Where conditions, equipment, and facilities permit, MON Ring Service will be offered in two configurations. Customers can purchase MON Ring with growth capacity up to 16 wavelengths or up to 32 wavelengths. The 32 wavelength systems may, at the discretion of the Company, be built as two 16 wavelength systems sharing common fiber and some common equipment. Depending upon the configuration, conversion from a 16 wavelength MON Ring to a 32 wavelength MON Ring may not be available.

10. MON Ring Service is provided at the option of the Company where facilities permit. If appropriate facilities are not available, Special Construction charges, as set forth in Part 3, Section 14 of the Arkansas Access Services Guidebook, may apply. (C) (C)

11. Floor space for subsequent shelf growth at a Central Office Node beyond the initial installation will be provided where available, but cannot be guaranteed for subsequent shelf growth beyond the initial installation.

12. Prior to confirming an order for service, the Company will provide a proposed route diagram to the customer.

13. Installation of service will not begin until the customer has accepted the proposed routing by the Company.

14. Services with time-delay sensitive protocols have facility length limitations and may affect the design/availability of MON Ring Service. (E.g., CPU to CPU communications have a maximum distance limitation of 60 km.). The Company will work cooperatively with the customer to determine if the desired services can operate between the customers designated premises.

15. Channel protection may not be available for all interface types.

16. Conversion from MON (point-to-point) Service to MON Ring Service is not available.

17. Conversions from any other lower speed services to MON Ring Service are not available.

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MULTI-SERVICE OPTICAL NETWORK RING SERVICE/1/ (cont'd)

C. Regulations (cont'd)

18. Where conditions, equipment, and facilities apply, the customer must first order the MON Ring Transport System followed by the MON Ring Channels. When ordering riding services, the customer must first order the MON Ring Transport System, followed by a MON Ring Sub-Rate System over which these riding services will be assigned. When riding services are ordered on a Sub-Rate System, they are represented by different rate elements than those services ordered directly on the MON Ring.

19. Neither electrical interfaces nor optical add/drop multiplexing are available with this service.

20. OC-12/OC-12c, Gigabit Ethernet, Fibre Channel (1.0625 Gbps) and FICON™ (1.0625 Gbps) can be ordered directly on MON Ring, or as a riding service on a sub-rate system. Fibre Channel (2.125 Gbps) and FICON™ (2.125 Gbps) can only be ordered directly on MON Ring, and cannot be ordered on a sub-rate system. OC-12, Gigabit Ethernet, Fibre Channel (1.0625 Gbps) and FICON™ (1.0625 Gbps) when ordered on a sub-rate system, are represented by different rate elements than those ordered directly on the MON Ring.

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MULTI-SERVICE OPTICAL NETWORK RING SERVICE/1/ (cont'd)

D. Allowance for Interruptions

A credit allowance will be given for interruptions of service. An interruption of service will start when an inoperative service is reported to the Company and end when the service is operative.

Any protected service interruption of greater than 10 consecutive seconds as a result of a failure on the protected portion of the circuit will result in a credit equal to one month's bill for the individual port-to-port connections involved.

If the interruption occurs on an unprotected portion of the circuit, normal terms and conditions for Credit Allowances as stated in paragraph D.7 in Part 15, Section 1 will apply.

In any month, as a result of an interruption, the total credit per rate element of the interrupted service may not exceed 100 percent of the monthly charge for that particular rate element.

E. Provision of Service

1. Standard Configurations

MON Ring Service is available in different ring configurations utilizing Central Office Nodes and Customer Premises Nodes. The total number of circuits and total usable bandwidth to the customer depends upon the mix of services ordered and the specific traffic patterns of the customer. The Company will determine the appropriate wavelength assignment and the design of the MON Ring.

The minimum configuration would be two nodes either at a serving wire center or a customer premise site. If the nodes are not in a serving wire center, a central office management site for monitoring is required. An optical amplifier located at a serving wire center can be used as a monitoring site.

A combination of these configurations may be used in a network design depending on the customer's traffic pattern.

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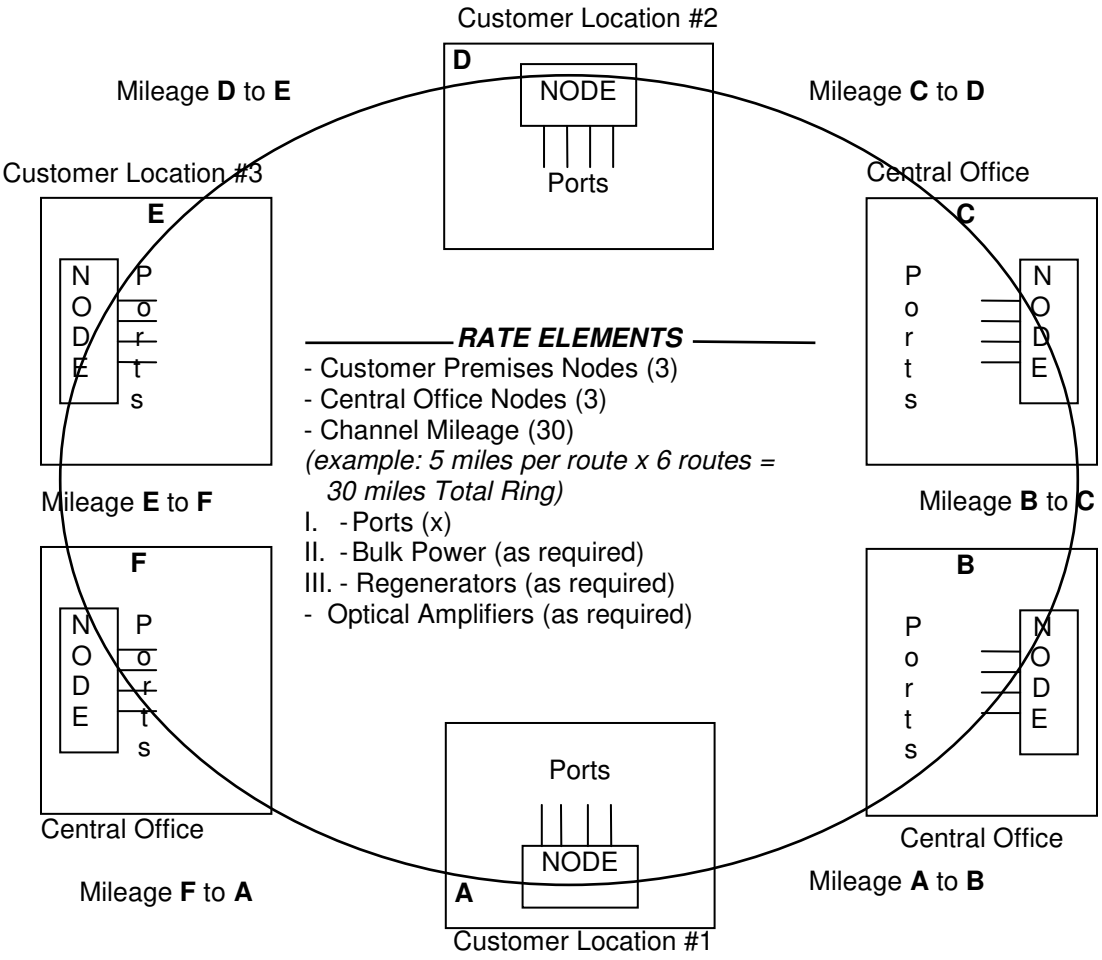
MULTI-SERVICE OPTICAL NETWORK RING SERVICE[/1/] (cont'd)

E. Provision of Service (cont'd)

1. Standard Configurations (cont'd)

Diagram of MON Ring



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MULTI-SERVICE OPTICAL NETWORK RING SERVICE/1/ (cont'd)

E. Provision of Service (cont'd)

2. Route Diversity

MON Ring Service is configured with diversely routed fiber whenever possible. MON Ring Service will be available for protected channels 99.999% of the time and protected channels will switch within 50 milliseconds (not to exceed 2 seconds). Equipment interfaces towards the customer are not protected. Unprotected channels will be lost in the event of a fiber path failure on which the circuit is assigned.

Routing of fiber may be diversified from the customer's property line to their serving wire center or alternate serving wire center as determined by the Company, and where facilities are available, to ensure that loop fibers follow separate paths to the serving wire center or alternate serving wire center. Interoffice facility (IOF) fiber paths may be diversely routed between serving wire centers or alternate serving wire centers. In addition, IOF fiber (if applicable) paths may be diversified to ensure that with any serving wire center Central Office Node, the fibers do not egress and ingress at the same point. In cases where the serving wire center does not have multiple entrance fiber facilities, the section of the fiber from the closest manhole (to the serving wire center) will be routed within the same duct structure.

At the customer's request, additional protection to the Customer Premises Nodes can be provided via dual entrance facilities. This special request may cause the customer to incur special construction cost. Without this special request, diverse fiber is provided to the closest manhole to the customer location property line. The customer or building owner is responsible for providing conduit designed to meet industry standards and local fire and safety codes from the property line to the building to within the premises. The customer determines the route and method of protection inside the premises.

In the case where dual entrance facilities are not established at the customer premises, facilities routed within the same duct structure from the property line to the building equipment location are not diverse.

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MULTI-SERVICE OPTICAL NETWORK RING SERVICE/1/ (cont'd)

F. Technical Specifications

The customer interfaces to MON Ring Service are as specified in:

Subject	Technical Reference
Ameritech LAN Interconnect Service - Token Ring Interface Specifications	AM TR-NIS-000100
Ameritech LAN Interconnect Service - CSMA/CD Interface Specifications	AM TR-NIS-000104
Ameritech OC-3, OC-12, OC-48 and OC-192 Service Interface Specifications	AM-TR-NIS-000111
Ameritech Digital Service Transmission Parameters	AM-TR-TMO-000101
Ameritech Service's Network Channel and Network Channel Interface Codes	AM-TR-TMO-000080
Ameritech Technical Interface Specifications	AM-TR-NIS-000096
(ESCON™)	AM-TR-NIS-000107
IBM Documentation (ESCON™)	IBM SA22-7202-XX
	IBM SA23-0394-XX
Fibre Channel (also includes FICON™ and ISC™)	ANSI X3.T9.3
Fast Ethernet	ANSI/IEEE 802.3
GigaBit Ethernet	IEEE 802.3x and z
	IEEE 802.3ae
D1 Video	ANSI/SMPTE 259M

The Technical References can be obtained from:

The Company at
www.sbc.com/public_affairs/regulatory_documents/tariffs /1,5932,448,00.html?pid=240

The Telcordia Technologies Research Publication(s) can be obtained from:

Telcordia Technologies
8 Corporate Place
Piscataway, New Jersey 08854

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MULTI-SERVICE OPTICAL NETWORK RING SERVICE/1/ (cont'd)

G. Service Components

1. General

   There are eight basic rate elements which may apply to MON Ring Service:
   - Nonrecurring Charges
   - Customer Premises Node
   - Central Office Node
   - Channel Mileage
   - Optical Amplifier
   - Regenerators
   - Bulk Power
   - Ports

2. Nonrecurring Charges

   a. General

      Nonrecurring Charges are one-time charges that apply for specific work activities (i.e., installation of new service, moves and rearrangements of installed services). There are three different Nonrecurring Charges: Administrative Charge, Design and Central Office Connection Charge and Customer Connection Charge.
      - The Administrative Charge applies any time a customer initiates an order for service. This charge applies once per service order.
      - The Design and Central Office Connection Charge applies to each service installed, and is charged once per each riding circuit.
      - The Customer Connection Service Establishment Charge applies to establish the MON Ring network, and is charged per node. Subsequent Installation charges apply to each subsequent shelf installed after the MON Ring Network is established.

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MULTI-SERVICE OPTICAL NETWORK RING SERVICE/1/ (cont'd)

G. Service Components (cont'd)

2. Nonrecurring Charges (cont'd)

b. Service Rearrangements

Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in C.2. preceding or a change in the physical location of the point of termination at a customer premises, and will be charged as follows:

- If changing the customer of record, the Administrative Charge will apply. For the change of customer of record to be treated as a service rearrangement, the new customer must assume liability for both current and prior charges for the service.

- For all other changes not requiring physical work at the central office or customer premises, including a change in the customer assigned circuit identification or billing account number (when initiated by the customer), the Administrative Charge will apply.

- For all other service rearrangements requiring physical work to be performed, the Administrative Charge will apply. Additionally, one Design and Central Office Connection Charge and/or one Customer Connection Charge will apply.

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MULTI-SERVICE OPTICAL NETWORK RING SERVICE/1/ (cont'd)

G. Service Components (cont'd)

2. Nonrecurring Charges (cont'd)

c. Cancellation of Application for Service

When an applicant cancels an order for service, other than those provided by Special Construction:

1. Prior to the issuance of an order, no charges apply.

2. After the issuance of an order, Nonrecurring Charges apply as follows:

- Canceled before the Record Issue Date (RID), the Administrative Charge applies.

- Canceled on or after the RID, but before the Plant Test Date (PTD), the Administrative Charge and the Design and Central Office Connection Charge apply.

- Canceled on or after the PTD, the Administrative Charge, Design and Central Office Connection Charge and Customer Connection Charge apply.

When an applicant cancels an order for service involving Special Construction:

1. Prior to the issuance of an order, no charges apply.

2. After the issuance of an order, but prior to the start of construction, all Nonrecurring Charges associated with the design of the Special Construction and the Administrative Charge will apply.

3. After construction has begun:

- If there is another requirement for the specially constructed facilities, the Administrative Charge, Design and Central Office Connection Charge, and the Customer Connection Charge will apply.

- If there is no other use for the specially constructed facilities, a charge equal to all the costs incurred in the special construction (including overheads), less net salvage, applies in addition to the Administrative Charge, Design and Central Office Connection Charge, and the Customer Connection Charge.

Note: Installation or special construction of facilities for a customer starts when the Company incurs any expense in connection therewith which would not otherwise have been incurred and the customer has advised the Company to proceed with the installation or special construction.

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MULTI-SERVICE OPTICAL NETWORK RING SERVICE/1/ (cont'd)

G. Service Components (cont'd)

3. Customer Premises Node - provides for the termination of service at the customer's premises and presents the various selected ports to the customer. Applies per customer-designated premises, per first shelf and subsequent shelves.

4. Central Office Node - provides for the termination of service at a Company serving wire center. Applies per first shelf and subsequent shelves.

5. Channel Mileage - provides for the total airline distance between the serving wire center of each node involved on the MON Ring. The mileage measurement is developed utilizing the V&H coordinate method as set forth in the National Exchange Carrier Association, Inc. (NECA) Wire Center Information Tariff, FCC 4. A one-mile minimum will be billed between nodes. A two-node ring configuration has a two-mile minimum, one mile from the Central Office Node to the Customer Premises Node, and one mile from the Customer Premises Node to the Central Office Node.

6. Optical Amplifier - provides for an optical signal boost if the distance between nodes exceeds the transmission loss parameters (link loss specific). Additional optical amplifiers may be required per location with certain circuit configurations. Optical amplifiers may be located at a Customer Premises Node, a Central Office Node, or at a serving wire center.

7. Regenerator - provides for re-timing, re-shaping and regeneration of the signal level for up to 2.5 Gbps service (on a per shelf basis), or 10 Gbps Ethernet service (on a per circuit, per each location the circuit is regenerated basis), if degradation exceeds the dispersion and/or Optical Amplifier noise limits.

8. Bulk Power – provides for customer premises node power which will be required if the customer's power source is AC. Applies once per each four shelves, with the first shelf and fifth subsequent shelf at each applicable Customer Premises Node.

9. Port - provides for the channel interface at any Node location for each unprotected or protected channel. Applies per port/per circuit terminating location.

/1/ Effective December 1, 2012, Multi-Service Optical (MON) Ring Service is not available for new installations. Existing MON Ring customers will be permitted to modify their service by adding new circuits to their existing service, but will not be permitted to add new nodes in new locations. New circuits added to existing locations will utilize the customer's existing Term Payment Plan (TPP) and should be coterminous with the customer's existing TPP. Customers with TPPs that expire may not extend their service contract. In addition, effective December 1, 2016, no Move, Add or Change orders of any type will be accepted for MON Ring Service.

MULTI-SERVICE OPTICAL NETWORK RING SERVICE/1/ (cont'd)

H. Rates and Charges

1. Term Pricing Plan

   a. MON Ring Service Term Pricing Plan (TPP) provides the customer with discounted rates. The TPP provides for three or five year rates. During the length of the selected TPP, monthly prices for service ordered under the plan will automatically change (increase or decrease) as Company initiated price changes become effective. However, under no circumstances will any price change cause the monthly price for the service to exceed the price that was in effect at the beginning of the selected TPP term. The Company will notify customers participating in a TPP when monthly rates are decreased.

   b. The customer may choose to terminate an existing TPP before the end of the three or five year period and negotiate a new TPP. The new TPP will be based upon the rates that are currently in effect and available to all customers, and must be of equal or greater duration than the existing TPP.

   c. If during the duration of the TPP, the customer wishes to rearrange or move a Customer Premises Node, a termination charge will apply.

   d. If the customer elects not to renew the TPP, or does not notify the Company of the customer's intent to renew the TPP, the customer's service will automatically be billed under the monthly extension rates in effect at the time the TPP expires.

   e. If a customer cancels a Service Order or terminates service before the completion of the term for any reason whatsoever other than as a result of a re-negotiation, the customer agrees to pay the Company termination liability charges, which are defined below. These charges shall become due and owing as of the effective date of the cancellation or termination and be payable within the period set forth in paragraph F. *Payments for Service* found in 'Charges Related to Customer Activity' in Part 2, Section 2. Payment of the termination charge does not release the customer from other previous amounts owed to the Company.

   f. After the expiration of 25 months of a 36-month TPP term or 42 months of a 60-month TPP term, any MON Ring components added to the existing service configuration provided under that TPP will be billed under the monthly extension rates.

   g. Customer termination liability for cancellation of a MON Ring Service shall be equal to:

      - Any unpaid Special Construction or nonrecurring charges (excluding any waived charges); plus
      - Fifty (50) percent of all recurring charges for the remaining months of the customer's term.

      For purposes of applying termination charges, all rate elements making up a MON Ring service are subject to Termination Charges.

/1/ Effective December 1, 2012, Multi-Service Optical (MON) Ring Service is not available for new installations. Existing MON Ring customers will be permitted to modify their service by adding new circuits to their existing service, but will not be permitted to add new nodes in new locations. New circuits added to existing locations will utilize the customer's existing Term Payment Plan (TPP) and should be coterminous with the customer's existing TPP. Customers with TPPs that expire may not extend their service contract. In addition, effective December 1, 2016, no Move, Add or Change orders of any type will be accepted for MON Ring Service.

MULTI-SERVICE OPTICAL NETWORK RING SERVICE[/1/] (cont'd)

H. Rates and Charges (cont'd)

2. Nonrecurring Charges

	USOC	Nonrecurring Charge
Administrative Charge		
- per service order	ORCMX	$125.00
Design and Central Office Connection Charge		
- per circuit	NRBCL	600.00
Customer Connection Charge		
Service Establishment		
- per node	NRBBL	7,500.00
Subsequent Installation		
- per subsequent shelf	NHCNL	1,000.00

/1/ Effective December 1, 2012, Multi-Service Optical (MON) Ring Service is not available for new installations. Existing MON Ring customers will be permitted to modify their service by adding new circuits to their existing service, but will not be permitted to add new nodes in new locations. New circuits added to existing locations will utilize the customer's existing Term Payment Plan (TPP) and should be coterminous with the customer's existing TPP. Customers with TPPs that expire may not extend their service contract. In addition, effective December 1, 2016, no Move, Add or Change orders of any type will be accepted for MON Ring Service.

MULTI-SERVICE OPTICAL NETWORK RING SERVICE[/2/] (cont'd)

H. Rates and Charges (cont'd)

MON Ring Channels	USOC	Monthly Rates 3-Year	Monthly Rates 5-Year	Monthly Extension
3. Customer Premises Node (includes first shelf).....	F2ND1	$7,800.00	$6,240.00	$10,920.00
- per subsequent shelf.....	F2NDS	5,850.00	4,680.00	8,190.00
4. Central Office Node (includes first shelf).....	F2NC1	7,800.00	6,240.00	10,920.00
- per subsequent shelf.....	F2NCS	5,850.00	4,680.00	8,190.00
5. Channel Mileage - per V-H mile or fraction thereof, ...	1L5XX	325.00	260.00	455.00
6. Optical Amplifier(as required)				
- C band (per location)	67QXX	5,400.00	3,600.00	7,600.00
- L band (per location) [/1/]	67QSX	5,400.00	3,600.00	7,600.00
7. Regenerator(as required)				
- up to 2.5 Gbps (per shelf) ...	V8RXX	7,500.00	5,000.00	10,500.00
- up to 10 Gbps (per circuit, per each location)	V8R2C	15,000.00	10,000.00	21,000.00
8. Bulk Power (as required) - per first shelf (shelves 1-4)	CBVDX	2,000.00	1,600.00	2,600.00
- per fifth subsequent shelf (shelves 5-8)	CBVDS	1,600.00	1,300.00	2,100.00

/1/ Available where facilities and equipment permit.
/2/ Effective December 1, 2012, Multi-Service Optical (MON) Ring Service is not available for new installations. Existing MON Ring customers will be permitted to modify their service by adding new circuits to their existing service, but will not be permitted to add new nodes in new locations. New circuits added to existing locations will utilize the customer's existing Term Payment Plan (TPP) and should be coterminous with the customer's existing TPP. Customers with TPPs that expire may not extend their service contract. In addition, effective December 1, 2016, no Move, Add or Change orders of any type will be accepted for MON Ring Service.

MULTI-SERVICE OPTICAL NETWORK RING SERVICE[/1/] (cont'd)

H. Rates and Charges (cont'd)

MON Ring Channels	USOC	Monthly Rates 3-Year	Monthly Rates 5-Year	Monthly Extension
9. Ports				
- per port/per circuit terminating location				
ETR/CLO™				
- unprotected channel	POYKW	$975.00	$750.00	$1,400.00
FICON™ (1.0625 Gbps)				
- unprotected channel	POYMW	975.00	750.00	1,400.00
- protected channel	POYMP	1,950.00	1,500.00	2,800.00
FICON™ (2.125 Gbps)				
- unprotected channel	POYWW	1,700.00	1,300.00	2,400.00
- protected channel	POYWP	3,400.00	2,600.00	4,800.00
ISC-1™				
- unprotected channel	POYJW	3,250.00	1,250.00	4,600.00
- protected channel	POYJP	3,600.00	2,500.00	5,000.00
ISC-3™				
- unprotected channel	POY9W	3,750.00	2,500.00	5,000.00
- protected channel	POY9P	7,500.00	5,000.00	10,000.00
Fibre Channel (1.0625 Gbps)				
- unprotected channel	POYNW	1,200.00	900.00	1,700.00
- protected channel	POYNP	2,400.00	1,800.00	3,400.00
Fibre Channel (2.125 Gbps)				
- unprotected channel	POYYW	1,700.00	1,300.00	2,400.00
- protected channel	POYYP	3,400.00	2,600.00	4,800.00
Gigabit Ethernet				
- unprotected channel	POYLW	1,200.00	900.00	1,700.00
- protected channel	POYLP	2,400.00	1,800.00	3,400.00
10 Gigabit Ethernet (WAN-PHY)				
- unprotected channel	POYTW	15,000.00	12,500.00	21,000.00
- protected channel	POYTP	20,000.00	16,700.00	28,000.00
10 Gigabit Ethernet (LAN-PHY)				
- unprotected channel	POYUW	15,375.00	12,815.00	21,525.00
- protected channel	POYUP	20,500.00	17,120.00	28,700.00

/1/ Effective December 1, 2012, Multi-Service Optical (MON) Ring Service is not available for new installations. Existing MON Ring customers will be permitted to modify their service by adding new circuits to their existing service, but will not be permitted to add new nodes in new locations. New circuits added to existing locations will utilize the customer's existing Term Payment Plan (TPP) and should be coterminous with the customer's existing TPP. Customers with TPPs that expire may not extend their service contract. In addition, effective December 1, 2016, no Move, Add or Change orders of any type will be accepted for MON Ring Service.

MULTI-SERVICE OPTICAL NETWORK RING SERVICE[/1/] (cont'd)

H. Rates and Charges (cont'd)

MON Ring Channels	USOC	Monthly Rates 3-Year	Monthly Rates 5-Year	Monthly Extension
9. Ports (cont'd)				
- per port/per circuit terminating location				
SONET OC-12/OC-12c				
- unprotected channel	POYFW	$1,300.00	$1,000.00	$1,900.00
- protected channel	POYFP	2,600.00	2,000.00	3,700.00
SONET OC-48/OC-48c[/2/]				
- unprotected channel	POYGW	4,400.00	3,700.00	6,000.00
- protected channel	POYGP	6,600.00	5,560.00	9,000.00
SONET OC-192/OC-192c				
- unprotected channel	POYOW	15,000.00	12,500.00	21,000.00
- protected channel	POYOP	20,000.00	16,700.00	28,000.00

/1/ Effective December 1, 2012, Multi-Service Optical (MON) Ring Service is not available for new installations. Existing MON Ring customers will be permitted to modify their service by adding new circuits to their existing service, but will not be permitted to add new nodes in new locations. New circuits added to existing locations will utilize the customer's existing Term Payment Plan (TPP) and should be coterminous with the customer's existing TPP. Customers with TPPs that expire may not extend their service contract. In addition, effective December 1, 2016, no Move, Add or Change orders of any type will be accepted for MON Ring Service.

/2/ Available only where facilities and equipment permit.

MULTI-SERVICE OPTICAL NETWORK RING SERVICE[/1/] (cont'd)

H. Rates and Charges (cont'd)

MON Ring Channels	USOC	Monthly Rates 3-Year	Monthly Rates 5-Year	Monthly Extension
9. Ports (cont'd)				
- per port/per circuit terminating location				
GigE/FC/FICON™ Sub-Rate System				
- unprotected channel	POY1W	$875.00	$700.00	$1,140.00
- protected channel	POY1P	1,750.00	1,400.00	2,280.00
GigE Riding Circuit[/2/]				
- unprotected channel	POY4W	500.00	400.00	650.00
- protected channel	POY4P	1,000.00	800.00	1,300.00
Fibre Channel (1.0625 Gbps) Riding Circuit[/2/]				
- unprotected channel	POY6W	500.00	400.00	650.00
- protected channel	POY6P	1,000.00	800.00	1,300.00
FICON™ (1.0625 Gbps) Riding Circuit[/2/]				
- unprotected channel	POY7W	400.00	320.00	480.00
- protected channel	POY7P	800.00	640.00	960.00

/1/ Effective December 1, 2012, Multi-Service Optical (MON) Ring Service is not available for new installations. Existing MON Ring customers will be permitted to modify their service by adding new circuits to their existing service, but will not be permitted to add new nodes in new locations. New circuits added to existing locations will utilize the customer's existing Term Payment Plan (TPP) and should be coterminous with the customer's existing TPP. Customers with TPPs that expire may not extend their service contract. In addition, effective December 1, 2016, no Move, Add or Change orders of any type will be accepted for MON Ring Service.

/2/ Available only when ordered with GigE/FC/FICON™ Sub-Rate System.

MULTI-SERVICE OPTICAL NETWORK RING SERVICE[/1/] (cont'd)

H. Rates and Charges (cont'd)

MON Ring Channels	USOC	Monthly Rates 3-Year	Monthly Rates 5-Year	Monthly Extension
9. Ports (cont'd)				
- per port/per circuit terminating location				
ESCON™[/2/]				
- unprotected channel.....	PWY1W	$1,300.00	$1,000.00	$1,900.00
- protected channel.....	PWY1P	2,600.00	2,000.00	3,700.00
Fast Ethernet[/2/]				
- unprotected channel.....	PWY2W	1,300.00	1,000.00	1,900.00
- protected channel.....	PWY2P	2,600.00	2,000.00	3,700.00
D1 Video[/2/]				
- unprotected channel.....	PWY3W	1,300.00	1,000.00	1,900.00
- protected channel.....	PWY3P	2,600.00	2,000.00	3,700.00
DVB-ASI Video[/2/]				
- unprotected channel.....	POY8W	2,100.00	1,650.00	3,075.00
- protected channel.....	POY8P	4,200.00	3,300.00	5,775.00
SONET OC-3/OC-3c[/2/]				
- unprotected channel.....	PWY4W	1,300.00	1,000.00	1,900.00
- protected channel.....	PWY4P	2,600.00	2,000.00	3,700.00
SONET OC-48 Sub-Rate System[/2/]				
- unprotected channel.....	POYRW	3,500.00	2,750.00	4,250.00
- protected channel.....	POYRP	7,000.00	5,500.00	8,500.00
SONET OC-48/OC-48c Riding Circuit[/2,3/]				
- unprotected channel.....	POYZW	1,900.00	1,200.00	2,800.00
- protected channel.....	POYZP	3,800.00	2,400.00	5,600.00

/1/ Effective December 1, 2012, Multi-Service Optical (MON) Ring Service is not available for new installations. Existing MON Ring customers will be permitted to modify their service by adding new circuits to their existing service, but will not be permitted to add new nodes in new locations. New circuits added to existing locations will utilize the customer's existing Term Payment Plan (TPP) and should be coterminous with the customer's existing TPP. Customers with TPPs that expire may not extend their service contract. In addition, effective December 1, 2016, no Move, Add or Change orders of any type will be accepted for MON Ring Service.
/2/ Available where facilities and equipment permit beginning November 30, 2005.
/3/ Available only when ordered with OC-48 Sub-Rate System beginning November 30, 2005.

MULTI-SERVICE OPTICAL NETWORK RING SERVICE[/5/] (cont'd)

H. Rates and Charges (cont'd)

MON Ring Channels	USOC	Monthly Rates 3-Year	Monthly Rates 5-Year	Monthly Extension
9. Ports (cont'd)				
- per port/per circuit terminating location				
Sub-Rate System[/1/]				
- unprotected channel.....	POYSW	$1,300.00	$1,000.00	$1,900.00
- protected channel.....	POYSP	2,600.00	2,000.00	3,700.00
ESCON™ Riding Circuit[/1,2,3/]				
- unprotected channel	POYHW	100.00	100.00	150.00
- protected channel	POYHP	100.00	100.00	150.00
Fast Ethernet Riding Circuit[/1,2/]				
- unprotected channel	POYCW	325.00	250.00	400.00
- protected channel	POYCP	500.00	400.00	650.00
D1 Video Riding Circuit[/1,2/]				
- unprotected channel	POYVW	100.00	100.00	150.00
- protected channel	POYVP	100.00	100.00	150.00
DVB-ASI Video Riding Circuit[/1,2/]				
- unprotected channel	PWY5W	100.00	100.00	100.00
- protected channel	PWY5P	100.00	100.00	100.00
SONET OC-3/OC-3c Riding Circuit[/1,2,4/]				
- unprotected channel	POYEW	100.00	100.00	150.00
- protected channel	POYEP	100.00	100.00	150.00

/1/ Available where facilities and equipment permit.
/2/ Available only when ordered with Sub-Rate System.
/3/ Also available with ESCON™ Sub-Rate System.
/4/ Also available with SONET OC-3/OC-12 Sub-Rate System.
/5/ Effective December 1, 2012, Multi-Service Optical (MON) Ring Service is not available for new installations. Existing MON Ring customers will be permitted to modify their service by adding new circuits to their existing service, but will not be permitted to add new nodes in new locations. New circuits added to existing locations will utilize the customer's existing Term Payment Plan (TPP) and should be coterminous with the customer's existing TPP. Customers with TPPs that expire may not extend their service contract. In addition, effective December 1, 2016, no Move, Add or Change orders of any type will be accepted for MON Ring Service.

MULTI-SERVICE OPTICAL NETWORK RING SERVICE[/1/] (cont'd)

H. Rates and Charges (cont'd)

MON Ring Channels	USOC	Monthly Rates 3-Year	5-Year	Monthly Extension
9. Ports (cont'd)				
- per port/per circuit terminating location				
ESCON™ Sub-Rate System[/2/]				
- unprotected channel	POY2W	$1,500.00	$1,125.00	$1,950.00
- protected channel	POY2P	3,000.00	2,250.00	3,900.00
OC-3/OC-12 Sub Rate System[/2/]				
- unprotected channel	POY3W	1,000.00	750.00	1,300.00
- protected channel	POY3P	2,000.00	1,500.00	2,600.00
OC-12/OC-12c Riding Circuit[/2,3/]				
- unprotected channel	POY5W	500.00	375.00	700.00
- protected channel	POY5P	1,000.00	750.00	1,400.00

/1/ Effective December 1, 2012, Multi-Service Optical (MON) Ring Service is not available for new installations. Existing MON Ring customers will be permitted to modify their service by adding new circuits to their existing service, but will not be permitted to add new nodes in new locations. New circuits added to existing locations will utilize the customer's existing Term Payment Plan (TPP) and should be coterminous with the customer's existing TPP. Customers with TPPs that expire may not extend their service contract. In addition, effective December 1, 2016, no Move, Add or Change orders of any type will be accepted for MON Ring Service.
/2/ Available where facilities and equipment permit.
/3/ Available only when ordered with OC-3/OC-12 Sub-Rate System.

MEGALINK III – WIDEBAND DIGITAL SERVICE/1.544 Mbps[/1/]

A. General

MegaLink III-Wideband Digital Service/1.544 Mbps is a two-point, IntraLATA dedicated High Capacity Channel used for simultaneous two-way transmission of serial bipolar, return-to-zero isochronous digital signals at a transmission speed of 1.544 Megabits per second (Mbps). The channel design objective, is to provide an average performance of at least 95% error-free-seconds of transmission measured over a continuous 24-hour period through the digital network interface.

B. Regulations

1. The regulations and rates specified herein are in addition to the applicable regulations found in other sections of this Guidebook.

2. Availability of Service

   MegaLink III-Wideband Digital Service/1.544 Mbps can only be provided where digital facilities exist within the same LATA. Services between serving offices must have digital facilities between all intermediate offices to have the ability to provide the service.

3. Provision of Service

   a. MegaLink III-Wideband Digital Service/1.544 Mbps is available only on a two-point intraLATA basis.

   b. MegaLink III-Wideband Digital Service/1.544 Mbps is furnished on a full-time basis (24 hours a day, seven days per week).

   c. Customer requests for Special Routing of MegaLink III-Wideband Digital Service/1.544 Mbps are provided in accordance with Part 15, Section 1.

   d. In the event suitable facilities are not available, or modifications to existing facilities are required special construction charges will be applicable as provided in paragraph D.3 in Part 15, Section 1. Service availability will be negotiated locally.

   e. The Company has the service responsibility up to the Demarcation Point. The Demarcation Point will be provided by the Company as set forth in Technical Reference - PUB 62411.

/1/ OBSOLETE – The Company's provisioning of MegaLink III – Wideband Digital Service/1.544 Mbps is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

MEGALINK III – WIDEBAND DIGITAL SERVICE/1.544 Mbps/1/ (cont'd)

B. Regulations (cont'd)

4. Customer Signal Constraint

   All signals generated by the customer's terminal equipment must meet certain signal and formal constraints. Some of these constraints are as listed below. Additional details are set forth in Technical Reference - PUB 62411.

   Data Rate: 1.544 Mbps +/- 75 bps

   Consecutive zeros: No more than 15 consecutive zeros may be generated

   Pulse density: At least 3 pulses in any 24 bit interval

5. Allowance for Interruptions

   Credit allowances are determined in accordance with regulations set forth in paragraph D.7 in Part 15, Section 1.

   MegaLink III-Wideband Digital Service/1.544 Mbps is considered interrupted when the customer reports that service continuity has been lost or that the service is operating at a performance level of 300 or more seconds of transmission containing errors in a consecutive 15 minute period.

/1/ OBSOLETE – The Company's provisioning of MegaLink III – Wideband Digital Service/1.544 Mbps is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

MEGALINK III – WIDEBAND DIGITAL SERVICE/1.544 Mbps/1/ (cont'd)

C. Rates

There are six basic rate elements which apply to MegaLink III-Wideband Digital Service/1.544 Mbps

- Local Distribution Channels
- Intraexchange Interoffice Channel
- Interexchange Interoffice Channel
- Optional Service Functions
- Surcharge
- Service Charge

Local Distribution Channel
A local Distribution Channel is a channel between a customer's premises and the Company serving office serving that customer. Mileage used to rate the Local Distribution Channel is the direct airline distance measured in quarter mile increments between the customer's premises and the serving office.

Intraexchange Interoffice Channel
Intraexchange Interoffice Channel is defined as the component of the service between two serving offices for an Intraexchange Service. Charges include a fixed Channel Terminal charge and channel mileage which is based on the vertical and horizontal (V-H) distance between the serving offices, measured in whole miles. Fractional miles are rounded to the next whole mile.

Two (2) Channel Terminal charges are required per Intraexchange Interoffice Channel.

Interexchange Interoffice Channel
Interexchange Interoffice Channel is defined as the component of the service between two serving offices where the serving offices are in different exchanges or metropolitan exchanges within the LATA. Charges include a fixed channel terminal charge and channel mileage which is based on V-H distance between the serving offices, measured in whole miles. Fractional miles are rounded to the next whole mile. Two (2) Channel Terminal charges are required per Interexchange Interoffice Channel.

/1/ OBSOLETE – The Company's provisioning of MegaLink III – Wideband Digital Service/1.544 Mbps is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

MEGALINK III – WIDEBAND DIGITAL SERVICE/1.544 Mbps/1/ (cont'd)

C. Rates (cont'd)

Service Functions

Automatic Protection Capability
The Automatic Protection Capability (APC) service function, when used in conjunction with compatible customer-provided APC at the customer's premises, provides protection for the Local Distribution Channel by automatically switching the Local Distribution Channel(s) to a spare Local Distribution Channel. The customer is responsible for circuit compatibility with existing Central Office equipment.

Spare Local Distribution Channel(s) and/or Interoffice Channel(s) are not included with the Automatic Protection Capability. They must be ordered separately at the rates and charges specified in D. *Rates and Charges* following.

Transfer Arrangement
The Transfer Arrangement service function permits a customer to transfer an Interoffice Channel between two Local Distribution Channels terminating in the same serving office. The two local Distribution Channels must use the same signal format. The spare Local Distribution Channel is not included in the Transfer Arrangement. It must be ordered separately as specified in D. *Rates and Charges*.

A key activated control circuit is required to operate the transfer arrangement. A Special Signaling Channel between the customer designated control station and the serving office may be obtained from this Guidebook for this purpose. The control key must be provided by the customer.

Service Charge
A service charge applies per point of termination installed or moved as provided in D. *Rates and Charges* following.

/1/ OBSOLETE – The Company's provisioning of MegaLink III – Wideband Digital Service/1.544 Mbps is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

MEGALINK III – WIDEBAND DIGITAL SERVICE/1.544 Mbps/1/ (cont'd)

D. Rates and Charges

	USOC	Monthly Rate	Service Charge
Local Distribution Channel, per channel			
First 1/4 mile, or fraction thereof	1LDPJ	$60.00	$500.00
Each additional 1/4 mile, or fraction thereof	1LDPJ	22.00	None
Interoffice Channel			
Intraexchange Interoffice Channel			
Channel Terminal (two required per interoffice channel)	CTJ	85.00	60.00
Rate per V-H mile, or fraction thereof, per channel	1LNPX	30.00	None
Interexchange Interoffice Channel			
Channel Terminal (two required per interoffice channel)	CTJ	95.00	60.00
Rate per V-H mile, or fraction thereof, per channel	1LNPX	30.00	None

/1/ OBSOLETE – The Company's provisioning of MegaLink III – Wideband Digital Service/1.544 Mbps is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

MEGALINK I – STANDARD DIGITAL SERVICE/1/

A. Service Description

MegaLink I - Standard Digital Service is a service which supports synchronous, full duplex transmission at bit rates of 2.4, 4.8, 9.6, 19.2 and 56 kbps. This service is offered on an intraLATA basis, when suitable facilities are available.

MegaLink I - Standard Digital Service must be routed between customer premises via a Company designated Digital Serving Office within the same LATA.

B. Regulations

1. The regulations and rates specified herein are in addition to the applicable regulations found in other sections of this Guidebook.

2. Availability of Service

   MegaLink I - Standard Digital Service can only be provided where suitable facilities exist. Digital serving offices where MegaLink I - Standard Digital Service is available are determined by the Company.

3. Provision of Service

   a. The minimum period for which MegaLink I - Standard Digital Service is provided and for which rates and charges are applicable is six months unless a different minimum period is established with Special Construction as provided in paragraph D.3 in Part 15, Section 1. Customers will be required to sign a six months minimum billing contract. When a service is discontinued prior to the expiration of the minimum period, charges are applicable for the remaining portion of the minimum period, whether the service is used or not, and will be based on the rates in effect for the service at the time of discontinuance.

   b. MegaLink I - Standard Digital Service is furnished on a full-time basis (24 hours a day, seven days per week).

   c. MegaLink I - Standard Digital Service may be independently timed when access to the nationwide synchronization network is not available.

   d. Customer requests for Special Routing of MegaLink I Channels are provided in accordance with Part 15, Section 1.

   e. In the event suitable facilities are not available or modifications to existing facilities are required, special construction charges will be applicable as provided for in paragraph D.3 in Part 15, Section 1. Service availability will be negotiated locally.

   f. The Company has the service responsibility up to and including the Demarcation Point. The Demarcation Point will be provided by the Company as set forth in Technical Reference - PUB 62310.

/1/ OBSOLETE – The Company's provisioning of MegaLink I-Standard Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

MEGALINK I – STANDARD DIGITAL SERVICE[/1/] (cont'd)

B. Regulations (cont'd)

3. Provision of Service (cont'd)

   g. The customer shall be responsible for ordering MegaLink I - Standard Digital Service and specifying the transmission speed required for operation with terminal equipment or communications systems provided by the customer.

   h. Digital equipment provided by the customer is subject to the regulations set forth in paragraph F.9 in Part 15, Section 1.

4. Allowance for Interruptions

   Credit allowances are determined in accordance with regulations set forth in paragraph D.7 in Part 15, Section 1.

C. Rates[/2/]

MegaLink I - Standard Digital Service channels provide the transmission paths for digital signals between two or more customer premises within a LATA.

1. Access Channels to a Digital Serving Office

   Local Distribution Channel
   Represents a two-point transmission path between a customer's premises and the customer's serving office. Local Distribution Channels suitable for synchronous data rates of 2.4, 4.8, 9.6, 19.2 and 56 kbps, respectively, are provided.

   Interoffice Channel
   Represents a two-point transmission path between Digital Serving Offices or between a Digital Serving Office and the customer's local serving office. Interoffice channels suitable for synchronous data rates of 2.4, 4.8, 9.6, 19.2 and 56 kbps, respectively, are provided.

2. Nonrecurring Charges

   A Nonrecurring Charge applies per point of termination installed as provided for in paragraph D. following.

/1/ OBSOLETE – The Company's provisioning of MegaLink I-Standard Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.
/2/ There is a six month minimum period for MegaLink I – Standard Digital Service in accordance with paragraph B.3.a. preceding.

MEGALINK I – STANDARD DIGITAL SERVICE[/1/] (cont'd)

C. Rates[/2/] (cont'd)

3. Additional Features

Multi-Station Arrangement

A Multi-Station arrangement is required to provide for MegaLink I-Standard Digital Service between three or more digital stations on the same and/or different premises located within a LATA.

This offering may consist of Standard Digital Service for intraLATA service between three or more stations at speeds of 2.4, 4.8, 9.6, or 56 kbps. 19.2 Kbps service is not available at this time.

Multi-Station arrangements will be provided only at a Digital Serving Office.

The number of two-point channels that may be specified for a given service may be limited by operating and transmission factors.

The rate for a Multi-Station arrangement is set forth in D.1. following.

Secondary Channel Capability

This arrangement provides for a secondary channel which operates at a speed equivalent to one third of the primary channel speed. This secondary channel operates independently from, but over the same physical facility as the primary channel, and is normally used by the customer for performing Network Management Operations such as on-line diagnostics, data monitoring, traffic measurements and network configuration management.

Secondary Channel Capability is available on point-to-point or multi-point services which utilize non-repeatered local distribution channels. Secondary Channel Capability can only be provided at Digital Serving Offices for MegaLink I Services.

Complementary customer provided terminal equipment must be coupled with this service.

The rate for Secondary Channel Capability is set forth in paragraph D.1. following.

/1/ OBSOLETE – The Company's provisioning of MegaLink I-Standard Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.
/2/ There is a six month minimum period for MegaLink I - Standard Digital Service in accordance with paragraph B.3.a. preceding.

MEGALINK I – STANDARD DIGITAL SERVICE/3/ (cont'd)

D. Rates and Charges/1/

1. Access Channels to a Digital Serving Office

   Local Distribution Channel/2/

   - Per termination of a Local Distribution Channel on a customer's premises

For Transmission Speed of:	USOC	Monthly Rate	Nonrecurring Charge
2.4 kbps	SYN24	$218.50	$150.00
4.8 kbps	SYN48	218.50	150.00
9.6 kbps	SYN96	218.50	150.00
19.2 kbps	SYN19	288.30	160.00
56.0 kbps	SYN56	323.00	200.00

/1/ There is a six month minimum billing period for MegaLink I - Standard Digital Service in accordance with paragraph B.3.a preceding.
/2/ When a service terminates in a channel port of Access Advantage Plus, a Local Distribution Channel charge will not apply for that location. All other appropriate charges will apply.
/3/ OBSOLETE – The Company's provisioning of MegaLink I-Standard Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

MEGALINK I – STANDARD DIGITAL SERVICE/2/ (cont'd)

D. Rates and Charges/1/ (cont'd)

1. Access Channels to a Digital Serving Office (cont'd)

Interoffice Channel

- Per V-H mile between the Digital Serving Office and the customer's local serving office or between Digital Serving Offices for the mileage portion plus the fixed charge

For Transmission Speed of:	USOC	Monthly Fixed Charge	Monthly Rate Per Mile
2.4 kbps	1LNQQ	$55.40	$3.30
4.8 kbps	1LNRQ	55.40	3.30
9.6 kbps	1LNSQ	55.40	3.30
19.2 kbps	1LNJQ	88.60	5.20
56.0 kbps	1LNTQ	110.90	6.60

Multi-Station Arrangement

- When a MegaLink I circuit is arranged for Multi-Station operation for transmission speeds of 2.4, 4.8, 9.6, and 56 kbps, the following charge applies per channel connected at a Digital Serving Office in addition to other charges in this guidebook:

	USOC	Monthly Charge
	6BN	$18.00

Multi-Station service is described in paragraph C.3. preceding.

Secondary Channel Capability

- When a MegaLink I circuit is arranged for Secondary Channel Capability for transmission speeds of 2.4, 4.8, 9.6, 19.2 and 56 kbps, the following charge applies per channel connected at a Digital Serving Office in addition to other charges in this guidebook:

	USOC	Monthly Charge	Nonrecurring Charge
	SCA	$12.00	$100.00

Secondary Channel Capability is described in paragraph C.3.preceding.

/1/ There is a six month minimum period for MegaLink I - Standard Digital Service in accordance with paragraph B.3.a preceding.
/2/ OBSOLETE – The Company's provisioning of MegaLink I-Standard Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

REGULATIONS/1/ (for MegaLink II^{SM}-Premium Digital Service)

A. Undertaking of the Company

1. Scope

   a. This section contains the general regulations and definitions governing MegaLink II^{SM} - Premium Digital Service furnished by the Company.

   b. MegaLink II^{SM} - Premium Digital Service is the furnishing of Company facilities for communication between specified locations all within the state of Arkansas 24 hours daily, seven days per week. Facilities may be those of the Company only or those of the Company and other telephone companies.

   c. The Company does not undertake to transmit messages, but offers the use of its facilities where available to customers for such purposes.

2. Limitations

   a. The priority provisioning and restoration of services offered under this guidebook relative to the National Security Emergency Preparedness (NSEP) Telecommunications Service Priority (TSP) System shall be pursuant to the regulations and rates as set forth in Part 8, Section 5.

      For application in this guidebook, such regulations, rates and charges shall be interpreted to apply on a per termination of the service.

   b. The furnishing of service under this guidebook will require certain physical arrangements of the facilities of the Company and is therefore subject to the availability of such facilities.

   c. MegaLink IISM-Premium Digital Service may be limited in order to comply with orders issued under wartime authority of the President of the United States.

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

REGULATIONS/1/ (for MegaLink II℠-Premium Digital Service) (cont'd)

A. Undertaking of the Company (cont'd)

3. Liability

   a. The Company shall not be liable for damages arising out of mistakes, omissions, interruptions, delays or errors, or defects in transmission occurring in the course of furnishing service hereunder where the same is caused by the negligence of the customer or user. Any liability of the Company for damages arising out of any of the foregoing or for failing to maintain proper standards of maintenance and operation or for failing to exercise reasonable supervision shall in no event exceed an amount equivalent to the proportionate charge to the customer for the period of service during which such mistake, omission, interruption, delay or error or defect in transmission occurs.

   b. The Company shall be indemnified and saved harmless by the customer or user against:

      1. claims for libel, slander and infringement of copyright arising from the material transmitted over the facilities;

      2. claims for infringement of patents arising from combining with, or using in connection with, facilities furnished by the Company, apparatus and systems of the customer or user; and

      3. all other claims arising out of any act of omission of the customer or user in connection with the facilities provided by the Company.

   c. The Company does not guarantee nor make any warranty with respect to equipment provided by it for use in an explosive atmosphere. The customer or user indemnifies and holds the Company harmless from any and all loss, claims, demands, suits, or other action, or any liability whatsoever, whether suffered, made, instituted or asserted by the customer or user or by any other party or persons, for any personal injury to or death of any person or persons, and for any loss, damage, or destruction of any property, whether owned by the customer or others, caused or claimed to have been caused directly or indirectly by the installation, operation, failure to operate, maintenance, removal, presence, condition, location or use of said equipment so provided.

      The Company will require each customer to sign an agreement for the furnishing of such equipment as a condition precedent to the furnishing of such equipment.

   d. The Company is not liable for any defacement of or damage to the premises of a customer (or user) resulting from the furnishing of channel facilities or the attachment of the instruments, apparatus and associated wiring furnished by the Company on such premises or by the installation or removal thereof, when such defacement or damage is not the result of negligence of the agents or employees of the Company.

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

REGULATIONS/1/ (for MegaLink II℠-Premium Digital Service) (cont'd)

A. Undertaking of the Company (cont'd)

4. Provision of Facilities

a. The Company will provide all facilities necessary for MegaLink II℠ - Premium Digital Service up to the Demarcation Point of the channel. The customer or authorized user may provide his own terminal equipment customer-provided derivation equipment or communications system for use with such service as specified in this guidebook. (C)

b. MegaLink II℠-Premium Digital Service furnished by the Company will be provided at the rates contained in this guidebook where facilities and operating conditions permit. Where facilities are not available, and unusual expenditures are involved in making them available, the customer may be required to pay additional charges to cover the unusual expenditure in accordance with paragraph D.4, or contract beyond the initial period, or both.

c. The charges specified in this guidebook do not contemplate installation, maintenance, or repair work being performed by the Company employees involved at a time when overtime wages apply as a result of customer or authorized user requests, nor do they contemplate work once begun being interrupted by the customer or authorized user. (C) (C)

If the customer requests that labor be performed at hours of the day or days of the week other than normal work hours or days, or on holidays, or interrupts work once begun, an additional charge based on the additional costs involved applies. Such charges do not apply if sufficient advance notice is given so that employee's work schedules can be changed. The additional charge does not apply to overtime or premium time worked at the Company's convenience.

In situations where the customer requests that "standby" Company personnel be provided for installation or maintenance irrespective of when such "standby" workmen are provided, the additional estimated cost of providing such "standby" personnel will be billed to the customer.

d. When serving office boundary realignments are necessary at the discretion of the Company, those MegaLink II℠ - Premium Digital Service affected by the change will be reconfigured, and this may result in increases or decreases in charges. Any change in charges billed to a MegaLink II℠ - Premium Digital Service customer will become effective when the serving office area transfer is made.

e. When the customer or authorized user requires the modification of standard equipment not otherwise provided in this guidebook, the modification can be furnished by the Company at additional rates and charges, provided the modification is in connection with and not detrimental to any of the services furnished in this guidebook. (C)

f. When the customer requests additional regulated entrance facilities and/or demarcation arrangements beyond the maximum of one provisioned with MegaLink II℠ - Premium Digital Service, it can be furnished by the Company at additional rates and charges.

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

REGULATIONS/1/ (for MegaLink II[SM]-Premium Digital Service) (cont'd)

A. Undertaking of the Company (cont'd)

5. Service Guarantee

This service is guaranteed to provide an average performance of at least 99.5% error-free seconds up to the Demarcation Point of the channel for operation at all transmission speeds offered in this guidebook. When MegaLink II[SM] - Premium Digital Service is operating at an error performance level that is unsatisfactory to the customer or user and the Company determines that the error performance level is below that specified above, the period of substandard performance will be considered as an interruption and a credit allowance will be made in accordance with provisions in paragraph D.8. All such credit allowances shall begin from the time of notice by the customer or user to the Company that an unsatisfactory performance level has occurred, provided that the customer promptly releases the service as requested by the Company to perform testing and maintenance.

B. Use

MegaLink II[SM] - Premium Digital Service may be used for the purposes specified in B.1 following. When MegaLink II[SM] - Premium Digital Service is arranged for authorized users, the users shall be permitted to use such service in the same manner as the customer as specified in B.1. (C)

1. Authorized Use

a. MegaLink II[SM] - Premium Digital Service may be used for transmission of communications to or from the customer's stations and relating to the customer's business.

b. MegaLink II[SM] - Premium Digital Service may be used for transmission of communications relating directly to the business of subsidiary corporations over which the customer or authorized user exercises control through the ownership of more than 50 percent of the voting stock. (C) (C)

2. Reserved for future use

3. Resale of Use to Others

MegaLink II[SM]-Premium Digital Service shall not be used for any purpose for which a payment or other consideration, direct or indirect, shall be received by either the customer or authorized user. This provision does not prohibit an arrangement between the customer or authorized users to share the cost of the MegaLink II[SM] - Premium Digital Service. The foregoing does not apply to a Composite Data Service Vendor's premises where one type of service may be provided for the exclusive use of the Composite Data Service Vendor's management or employees and another type of service may be provided for the use of the Composite Data Service Vendor, as defined in part 64.702 of the Federal Communications Commission's Rules and Regulations. (C) (C)

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

REGULATIONS/1/ (for MegaLink II^{SM}-Premium Digital Service) (cont'd)

B. Use (cont'd)

4. Shared Use

a. A user must have a station on the service and the station must be located on the premises of the user and connected to the service by means of a separate Access Channel, except that these requirements do not apply to a user of a service with respect to his use of digital bit streams created by customer (or user) - provided derivation equipment, provided the customer or user has a station on the line connected to such equipment in accordance with F.2 following.

b. A communications common carrier, who is a customer for MegaLink II ^{SM} - Premium Digital Service, may not enter into a shared use arrangement between itself and others.

c. The Company shall not be responsible for the manner in which the use of service will be allocated. Orders which involve the start, rearrangement, release, or discontinuance of service will be accepted by the Company only from the customer.

d. The charges for MegaLink II^{SM} - Premium Digital Service shall be determined as provided in this guidebook and all charges for the service will be billed to the customer.

C. Obligations of the Customer

1. Customer Responsibilities

The customer shall be responsible for:

a. Damages to facilities of the Company caused by the negligence or willful act of the customer, authorized user or a user and not due to ordinary wear and tear, or other causes beyond the control of the customer.

b. Reimbursing the Company for any loss through theft of the equipment or apparatus on the customer's or authorized user's premises. (C)

c. The provision of appropriate power including the outlet and power wiring when the Company equipment installed on the premises of a customer or authorized user requires power for its operation. (C)

d. The provision, installation and maintenance of sealed conduit with explosive-proof fittings between equipment furnished by the Company in explosive atmospheres and points outside the hazardous area where connection may be made with regular facilities of the Company, and may be required to install and maintain Company equipment within the hazardous area if, in the opinion of the Company, injury or damage to Company employees or property might result from installation or maintenance by the Company.

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

REGULATIONS/1/ (for MegaLink II℠-Premium Digital Service) (cont'd)

C. Obligations of the Customer (cont'd)

1. Customer Responsibilities (cont'd)

   The customer shall be responsible for: (cont'd)

   e. Obtaining permission for Company agents or employees to enter the premises of the customer or authorized user at any reasonable hour for the purpose of installing, inspecting, repairing, or upon termination of the service, removing the facilities of the Company. (C)

   f. Equipment and facilities on the customer's or user's premises shall be and remain the property of the Company.

   g. Furnishing and maintaining poles and/or underground facilities on private property. The customer is also responsible for the provision of space, supporting structures, opening and closing of trenches, and on premises conduit for Company equipment located on the premises of the customer or authorized user. (C)

2. Rearrangement and Repairs

   A customer or authorized user may not rearrange, disconnect, remove or attempt to repair or permit others to rearrange, disconnect, remove or attempt to repair any equipment, apparatus or wiring installed by the Company, except upon the written consent of the Company. (C)

3. Transfer of Service

   Service furnished to one customer may be assumed by a new customer upon due notice of cancellation or abandonment, provided there is no lapse in service. The new customer must assume all the obligations of the previous customer. Such transfers are not subject to nonrecurring charges if the service is assumed exactly as provided to the previous customer.

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

REGULATIONS/1/ (for MegaLink II℠-Premium Digital Service) (cont'd)

D. Payment Arrangements and Credit Allowances

2. Payment of Charges

   a. Advance Payments

      Applicants for service may be required to pay in advance of the establishment of service the installation charges applicable, together with any fixed charges applicable for the first month.

   b. Payment for Service

      The customer is responsible for payment of all charges for facilities and services furnished the customer or shared with an authorized user, including any charges transferred to the customer's account where the customer has executed a Contract of Guaranty for an applicant or present customer. Upon nonpayment of such charges, service may be disconnected pursuant to Rule 6 of the Arkansas Public Service Commission General Service Rules. (C)

3. Reserved for future use.

4. Minimum and Fractional Rates and Charges

   a. The minimum service period is one month, except when the cost of special construction is such as to necessitate a longer contract period.

   b. If the period of use exceeds one month, the charges for the fractional part of a month following and consecutive with a full month will be a proportionate part of the monthly charges based on the actual number of days the facilities are furnished. For the purpose of administering this regulation with respect to the determination of charges for a fractional part of a month, every month is considered to have thirty days.

      The applicable charges for a MegaLink II℠-Premium Digital Service, or any component thereof, including additions to an existing service, shall commence on the day after service is furnished and will continue to accrue through and include the day on which such service is discontinued.

      When an existing MegaLink II℠-Premium Digital Service, or any component thereof, is changed or rearranged at the request of the customer without the addition of equipment, access lines or channels, any revision in charges necessitated thereby shall commence on the same day that the change or rearrangement is completed.

   c. In applying a rate involving a fraction of a cent, the fraction is carried through the entire computation of the charge for the service. When the charge so computed includes a fraction of a cent, a fraction of less than one-half cent is disregarded and a fraction of one-half cent or more is treated as one cent.

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

REGULATIONS/1/ (for MegaLink II^{SM}-Premium Digital Service) (cont'd)

D. Payment Arrangements and Credit Allowances (cont'd)

4. Special Construction

a. Rates and charges for special construction will be based on estimated costs incurred by the Company and may include (1) nonrecurring type charges, (2) recurring type charges, (3) termination liabilities, (4) or combination thereof. Special construction rates and charges are in addition to rates and charges for MegaLink II^{SM}-Premium Digital Service in this guidebook.

b. Special construction is that construction undertaken:

1. where facilities are not presently available, and there is no other requirement for the facilities so constructed.

2. of a type other than that which the Company would normally utilize in the furnishing of its services.

3. over a route other than that which the Company would normally utilize in the furnishing of its services.

4. in a quantity greater than that which the Company would normally construct to serve the customer needs.

5. on a temporary basis until permanent facilities are available.

6. involving abnormal costs.

7. in advance of its normal construction on an expedited basis.

c. Where special construction of facilities has been started prior to the cancellation, and there is no other requirement for the specially constructed facilities, a charge equal to the costs incurred in the special construction, less net salvage, applies, except that, where one or more, but not all, of the services involved in the special construction are cancelled, a charge equal to the cost, less net salvage, incurred for the discontinued services applies instead. Net salvage is determined based on the value of reusable material, less cost of removal. In determining the charge, each cancelled service is treated as discontinued as of the date on which it was to have been placed in service.

d. Installation or special construction of facilities for a customer is considered to have started when the Company incurs any expense in connection therewith or in preparation therefore which would not otherwise have been incurred; provided the customer has advised the Company to proceed with the installation or special construction.

e. No charge applies where special construction has been started prior to cancellation and it is determined by the Company there is another requirement for the facilities.

f. No charge applies where the applicant cancels an application for service prior to the start of special construction of facilities.

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

REGULATIONS/1/ (for MegaLink II℠-Premium Digital Service) (cont'd)

D. Payment Arrangements and Credit Allowances (cont'd)

5. Change in Service Arrangement

   The normal nonrecurring charge for a Local Distribution Section of the applicable operating speed applies when the customer requests a change in service arrangement that results in a change in operation of facilities or equipment provided by the Company.

6. Suspension of Service

   Upon five days notice from the customer, service will be suspended without cancellation at any time after the minimum period of service. Service will be suspended for a period of not less than two weeks and not more than six months and billing shall continue at the full rate. For the purposes of this paragraph the minimum service period shall be computed from the initial establishment of service or from the date the service was last restored from suspension.

7. Temporary Surrender of a Service

   When, at the request of the Company, a service is temporarily surrendered by the customer or authorized user for other than maintenance purposes, credit will be allowed, the amount of which will be determined in the same manner as for an allowance for interruptions. (C) (C)

8. Allowances for Interruptions

   If the service is interrupted other than by the negligence or willful act of the customer or authorized user, an allowance as provided following, at the rate for that portion of the customer's service affected by the interruption shall be made for the time such interruption continues after the fact is reported by the customer or authorized user or detected by the Company. (C) (C) (C)

   a. No credit is allowed for interruption of less than twenty-four hours (except for interruptions pursuant to Temporary Surrender of Service). Credit is allowed for the proportionate part of the monthly charge in multiples of one day for each twenty-four hours of interruption for the portion of the service rendered inoperative.

   b. For purposes of administering this regulation with respect to the determination of allowances for a fractional part of a month, every month is considered to have thirty days.

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

REGULATIONS/1/ (for MegaLink II[SM]-Premium Digital Service) (cont'd)

D. Payment Arrangements and Credit Allowances (cont'd)

8. Allowances for Interruptions (cont'd)

   c. For periods of substandard performance as specified in A.5, credit allowance from the time of notice by the customer shall be as follows:

Length of Interruptions	Credit
Less than 30 minutes	None
30 minutes up to 3 hours	1/10 day
3 hours up to 6 hours	1/5 day
6 hours up to 9 hours	2/5 day
9 hours up to 12 hours	3/5 day
Over 12 hours	One day

9. Cancellation of Application for Service

   Where installation of facilities, other than those provided by special construction, has been started prior to the cancellation, the charge specified in a. or b. following, whichever is lower, applies.

   a. A charge equal to the estimated costs incurred in such installation, less estimated net salvage.

   b. The charge for the minimum period of the service ordered by the customer as provided in this guidebook plus the full amount of any termination charges applicable.

   c. Installation of facilities for a customer is considered to have started when the Company incurs any expense in connection therewith or in preparation therefore which would not otherwise have been incurred; provided the customer has advised the Company to proceed with the installation of facilities.

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

REGULATIONS/1/ (for MegaLink II℠-Premium Digital Service) (cont'd)

E. Definitions

Accessories - Devices which are mechanically attached to, or used with, the facilities furnished by the Company and which are independent of, and not electrically, acoustically, or inductively connected to, the conductors in the communications path of the Company facilities.

Bit - The smallest unit of information in the binary system of notation.

Channel - A path (or paths) for digital transmission between a customer's premises and a Digital Hub, or between Digital Hubs. A channel is comprised of local distribution and interoffice sections as required. A channel may be furnished in such manner as the Company may elect, whether by wire, radio or a combination thereof and whether or not by means of a single physical facility or route.

Circuit - Denotes the channel service function and miscellaneous equipment items that are furnished to a customer by the Company as a unit, i.e., without intermediate connectors or networking arrangements.

Company - Southwestern Bell Telephone Company, LLC. (C)

Composite Data Service - The combined use of terminal and data switching equipment provided by a Composite Data Service Vendor with the use of telecommunications services of the Company to perform data switching for others.

Composite Data Service Vendor - A customer that has been certified by the proper state or municipal regulatory body, and/or the Federal Communications Commission pursuant to Section 214 of the Communications Act of 1934, as amended to acquire and operate facilities to perform data switching for others. A customer shall be classified as a Composite Data Service Vendor only with respect to use of those exchange services which are utilized for the provision of composite data service.

Concurring Carrier - Any carrier (other than a Connecting Carrier) which is fully subject to the Communications Act of 1934, as amended, which instead of filing its own tariffs concurs in and assents to schedules of charges and regulations filed on its behalf by an Issuing Carrier. (An Issuing Carrier is a carrier, subject to the Communications Act of 1934, as amended, which publishes and files tariffs with the Federal Communications Commission.)

Connecting Carrier - Any carrier engaged in interstate or foreign communications solely through physical connection with facilities of another carrier and is not directly or indirectly controlled by the other carrier. The rates and regulations of a Connecting Carrier participating in interstate services are subject to the FCC jurisdiction and are filed on their behalf by AT&T in its tariffs. The rates and regulations of Connecting Carriers for intrastate service are not subject to FCC jurisdiction.

Connecting Company - A corporation, association, firm or individual, owning and operating one or more exchanges and with whom traffic is interchanged.

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

REGULATIONS/1/ (for MegaLink II^{SM}-Premium Digital Service) (cont'd)

E. Definitions (cont'd)

Customer-Provided Communications System - Denotes facilities provided by a customer, or user which are capable, when not connected to MegaLink II^{SM}-Premium Digital Service, of communications between customer-provided terminal equipment.

Customer-Provided Terminal Equipment - Communications devices, apparatus and their associated wiring provided by a customer or user which do not constitute a communications system.

Data Switching - As used in connection with Composite Data Service denotes the switching of data (non-voice) messages by the interchange, controlling and routing of data messages between two or more stations, via communications facilities, wherein the information content of the message remains unaltered.

Demarcation Point - (Also referred to as Network Interface, Network Interface Device and Demarc). The point of demarcation and/or interconnection between a telecommunication provider's facilities and terminal equipment, protective apparatus or wiring at a subscriber's premises. Company installed facilities at or constituting the demarcation point shall consist of a wire or a jack conforming to Sub-part F of Part 68 of the Federal Communications Commission's Rules.

Digital Hub - Designated Company office where MegaLink II^{SM}-Premium Digital Service channels are interconnected. Synchronous network timing, testing access and Additional Service Features are provided at the Digital Hub.

Duplex - An operation which permits customers or users to communicate in both directions simultaneously.

Equipment Space - An area or areas, agreed upon by the subscriber and the Company, located on or within a structure that is specifically designated for the purpose of terminating regulated Company provided services and facilities. The necessary security, lighting, commercial power and environmental controls are provided in this area.

Interoffice Channel - Denotes a transmission path between (1) a serving wire center and a node, or (2) two nodes.

Interoffice Section - A two-point transmission path between a Serving Office and a Digital Hub or between two Digital Hubs.

Local Distribution Section - A two-point transmission path between a customer's premises and a Serving Office.

Move - Denotes a change in the physical location of facilities and items of equipment, whether on the same or different premises, provided by the Company.

Network Interface - See Demarcation Point

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

REGULATIONS/1/ (for MegaLink II℠-Premium Digital Service) (cont'd)

E. Definitions (cont'd)

Obsolete - A classification indicating the restricted availability of a service offering. The extent of the restriction is denoted by annotations as follows:

Existing Locations:
Can add to existing system.
Can supersede.
Cannot outside move.
Existing Installations:
Cannot add to existing system.
Can supersede.
Cannot outside move.
Existing Customers:
Can add to existing system.
Can outside move.
Cannot supersede.
Existing Customers At Existing Locations:
Can add to.
Cannot outside move.
Cannot supersede.
Existing Installations At Existing Locations:
Cannot add to.
Cannot outside move.
Can supersede.
Existing Installations At Existing Locations for Existing Customers:
Cannot add to.
Cannot outside move.
Cannot supersede.
Existing Service Arrangements:
Can outside move.
Can supersede.
Cannot add to.
Existing Systems:
Can outside move.
Can supersede.

Other Participating Carrier - Any carrier subject to the Communications Act of 1934, as amended, which files its own interstate tariff and which engages in or otherwise participates in the provision of a Bell System service.

Patron - As used in connection with Composite Data Service, denotes a subscriber to the data switching services of a Composite Data Service Vendor.

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

REGULATIONS/1/ (for MegaLink II^{SM}-Premium Digital Service) (cont'd)

E. Definitions (cont'd)

Premises -

1. All portions of the same building occupied by the same customer, provided that:
   - The portions are not separated from each other by intervening offices, rooms or suites not occupied by the customer.
   - The portions on different floors are contiguous and that the portion on the upper floor is directly above the portion occupied on the lower floor.

2. All of the buildings occupied by the same customer, provided that:
   - All of the buildings are located on the same plot of ground and are not intersected by a public highway.

Note: A public highway is considered to mean a vehicular thoroughfare which is governmentally owned.

Serving Office - The office from which a customer would normally be served for local exchange telephone service. The Local Distribution Section and Interoffice Section between the customer's premises and the Digital Hub are interconnected at the Serving Office. Where the serving office is not located in the service area, a theoretical location has been established by the Company for billing purposes.

Station - When used in connection with MegaLink II^{SM}-Premium Digital Service, station denotes a point on a customer or user's premises at which a MegaLink II^{SM}-Premium Digital Service channel is terminated.

User - A person, firm, or corporation designated by the customer as a user of MegaLink II^{SM}-Premium Digital Service furnished to the customer and who may share such service with the customer in accordance with guidebook provisions. A user must be specifically named in the customer's application of service.

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

REGULATIONS/1/ (for MegaLink II[SM]-Premium Digital Service) (cont'd)

F. Connections

1. General

   Terminal equipment and communications systems provided by the customer or authorized user may be connected at the customer's premises to MegaLink II[SM]-Premium Digital Service furnished by the Company where such connections are made in accordance with the applicable provisions of this guidebook. (C)

2. Responsibility of the Customer

   a. The customer shall be responsible for the installation, operation and maintenance of any customer- or authorized user-provided terminal equipment or communications system. No combination of customer-provided terminal equipment or communications system shall require change in or alteration of the equipment or services of the Company, cause electrical hazards to Company personnel, damage to Company equipment, malfunction of Company billing equipment, or degradation of service to persons other than the user of the subject terminal equipment or communications system. Upon notice from the Company that a customer-provided terminal equipment or communications system is causing such hazard, damage, malfunction or degradation of service, the customer or authorized user shall make such changes as shall be necessary to remove or prevent such hazard, damage, malfunction or degradation of service. (C) (C)

   b. The customer shall be responsible for ordering and specifying the type of MegaLink II[SM]-Premium Digital Service required for operation with terminal equipment or communications systems provided by the customer or authorized user. (C)

   c. The consent of the customer must be obtained by the authorized user prior to the connection of authorized user -provided terminal equipment or communications systems to MegaLink II[SM]-Premium Digital Service provided to the customer. (C) (C)

   d. Where a customer elects to connect a customer-provided communication system to MegaLink II[SM]-Premium Digital Service the customer shall be responsible for:

      - Compatibility of the connected communications system to MegaLink II[SM]-Premium Digital Service. This includes the replacing of Channel Terminating Equipment due to technological changes in the network.

      - Testing and sectionalization and clearance of trouble conditions or service difficulties on any communications system which is connected to a MegaLink II[SM]-Premium Digital Service.

   e. The customer shall be responsible for the payment of a *Maintenance of Service Charge* as specified in Part 3, Section 1 for visits by a Company employee to the customer's premises when a service difficulty or trouble report results from the use of terminal equipment or a communications system associated with complex service.

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

REGULATIONS/1/ (for MegaLink II^{SM}-Premium Digital Service) (cont'd)

F. Connections (cont'd)

3. Responsibility of the Company

   a. MegaLink II^{SM}-Premium Digital Service is not represented as adapted to the use of the customer- or authorized user-provided terminal equipment or communications systems. (C)
   Where such terminal equipment or communications systems are used with MegaLink II^{SM}-Premium Digital Service, the responsibility of the Company shall be limited to the furnishing of facilities suitable for MegaLink II^{SM}-Premium Digital Service and to the maintenance and operation of such facilities in a manner proper for such digital service. Subject to this responsibility, the Company shall not be responsible for: (1) the through transmission of signals generated by the customer-provided terminal equipment or communications system, or for the quality of, or defects in, such transmission or (2) the reception of signals by customer-provided terminal equipment or communications systems, or (3) damage to terminal equipment or communications systems provided by a customer or authorized user due to testing.

   b. The Company, will at the customer's request, provide information concerning interface parameters needed to permit customer-provided terminal equipment to operate in a manner compatible with MegaLink II^{SM}-Premium Digital Service.

   c. The Company shall not be responsible for modification, alteration or replacement of customer- or authorized user-provided terminal equipment or communications systems (C)
   rendered inoperative or obsolete by changes in facilities, operations, or procedures of the Company used in providing MegaLink II^{SM}-Premium Digital Service.

4. Violations of Regulations

   When any customer- or authorized user-provided terminal equipment or communications system (C)
   is used with MegaLink II^{SM}-Premium Digital Service in violation of any of the provisions in this section, the Company will take such immediate action as necessary for the protection of the telecommunications network and Company employees, and will promptly notify the customer or (C)
   authorized user of the violation. The customer shall take such steps as are necessary to (C)
   discontinue such use of the terminal equipment or communications system or correct the violation and shall confirm in writing to the Company within 10 days, following the receipt of written notice from the Company, that such use has ceased or that the violation has been corrected. Failure to discontinue such use or to correct the violation and to give the required written confirmation to the Company within the time stated above shall result in suspension of the customer's service until such time as there is compliance with the provisions of this guidebook.

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

REGULATIONS/1/ (for MegaLink II^{SM}-Premium Digital Service) (cont'd)

F. Connections (cont'd)

5. Connections of Customer-Provided Terminal Equipment and Communications Systems

   a. Customer- or authorized user-provided terminal equipment or communications systems may be connected at the premises of the customer or authorized user to MegaLink II^{SM}-Premium Digital Service subject to the following: MegaLink II^{SM}-Premium Digital Service will not be provided to the premises of an Other Common Carrier where the sole purpose of such service, including any bit streams derived therefrom, is to effect direct connection for through transmission with communications channels of an Other Common Carrier, or for connection of service provided to a Composite Data Service Vendor for provision of Composite Data Service. (C) (C)

   b. The customer shall be responsible for providing any required Digital Network Channel Terminating Equipment (NCTE). The undertaking of the Company is to furnish MegaLink II^{SM}-Premium Digital Service as ordered and specified by the customer up to the network interface.

   c. Registration Program - Effective June 30, 1987, Part 68 of the Federal Communications Commission's Rules and Regulations (Registration Program) were amended to require registration of customer provided equipment directly connected to certain digital services after that date. The equipment must also comply with the requirements of Technical Reference Publications 62411 and/or 62310.

   d. Grandfathered Equipment - Terminal equipment, including its premises wiring and protective apparatus (if any) and multiline terminating systems that were directly connected to digital services as of January 2, 1986 may remain connected and be reconnected to such digital services for the life of the equipment without registration unless subsequently modified.

   e. Interim Program - During the pendency of Rulemaking for connection of terminal equipment to digital services, the Federal Communications Commission agreed to allow equipment to be connected under an Interim Program established by the Company. Any terminal equipment or multiline terminating system connected pursuant to this Interim Program may require modification at the owner's expense in response to Part 68 of the Rules.

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

REGULATIONS/1/ (for MegaLink II℠-Premium Digital Service) (cont'd)

F. Connections (cont'd)

5. Connections of Customer-Provided Terminal Equipment and Communications Systems (cont'd)

   f. Extraordinary Procedures - The Company may invoke extraordinary procedures to protect a Digital Link Service. Extraordinary procedures may be applied when one or more of the following conditions are present:

      1. There is reason to believe that there is a violation of Part 68 Rules and Regulations.

      2. Harm has occurred and there is reason to believe this harm was caused by the Digital Network Channel Terminating Equipment.

      In such cases, the extraordinary procedures which can be invoked by the Company include requiring the customer to provide protective apparatus, or disconnecting the service.

      A charge equal to the *Maintenance of Service Charge* as specified in Part 3, Section 1 will apply when it is necessary to send a Company employee to the premises where the connection is made because of a harm or suspected violation and failure to comply with the FCC Part 68 Rules and Regulations is disclosed.

   g. Unless a specific waiver has been granted by the Federal Communications Commission, or except as otherwise provided in paragraph h. following, all connections of registered equipment to services furnished by the Company will be made through a point of demarcation. In most cases, this will be through a Company provided standard jack. In the case of registered communications systems utilizing complex wiring, a method of connection, jacks, terminal strips, etc., will be provided by the Company.

   h. The requirement for the use of standard jacks as described in paragraph g. preceding is waived for registered equipment which is located in hazardous or inaccessible locations.

6. Accessories

   Accessories provided by customers or authorized users may be used with MegaLink II℠-Premium Digital Service provided that such accessories comply with the provisions of paragraph F.2. (C)

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

REGULATIONS/1/ (for MegaLink II^{SM}-Premium Digital Service) (cont'd)

F. Connections (cont'd)

7. Channel Derivation Devices

   Customer- or authorized user-provided channel derivation devices that are used to create additional channels in accordance with a. and b. following may be connected to MegaLink II^{SM}-Premium Digital Service subject to paragraph F.2 preceding. (C)

   a. Subject to the normal transmission characteristics of the MegaLink II^{SM}-Premium Digital Service ordered, the customer or authorized user may create additional channels, digital bit streams, from the service ordered through the use of channel derivation equipment located at the customer or user's premises. (C)

   b. The Company makes no representation as to: (1) the suitability of the channels provided by it for such subdivision into additional channels by derivation equipment or (2) the suitability of the resultant derived channels for any communications purpose.

   c. Additional channels derived by this equipment may be connected at the customer or authorized user's premises to Local Exchange Telephone Service, Private Line Service, Long Distance Message Telecommunications Service, and Wide Area Telecommunications Service in accordance with provisions for such connections in Company guidebooks for these other services. (C) (C)

8. Connection to Other Services Furnished by the Company to the Same Customer or Different Customers

   MegaLink II^{SM}-Premium Digital Service provided by the Company may be connected to another MegaLink II^{SM}-Premium Digital Service or the following other services provided by the Company at the customer or authorized user's premises: (C)

   - Local Exchange Telephone Service
   - Private Line Service
   - Long Distance Message Telecommunications Service
   - Wide Area Telecommunications Service

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

REGULATIONS/1/ (for MegaLink II^{SM}-Premium Digital Service) (cont'd)

F. Connections (cont'd)

9. Connection to Other Participating Carrier-Provided Communications Systems

   a. Connections of MegaLink II^{SM}-Premium Digital Service to Other Participating Carrier-Provided Communications Systems can be made at the premises of the customer or authorized user in accordance with the preceding regulations in this section. All arrangements concerning the connection of an Other Participating Carrier-Provided Communications Systems to MegaLink II^{SM}-Premium Digital Service shall be made by the customer with the Other Participating Carrier. The furnishing of MegaLink II^{SM}-Premium Digital Service by the Company is not a joint undertaking with the Other Participating Carrier. (C)

   b. The Other Participating Carriers referenced in this section are as follows:

Carrier
None

G. Method of Applying Rates

1. General

   The method of applying rates for MegaLink II^{SM}-Premium Digital Service channels and Additional Service Features is provided in this section.

2. Channels

   a. Access Channels to a Digital Hub

      Local Distribution Section
      A Local Distribution Section charge for the requested transmission speed shall apply for each termination on the premises of a customer or authorized user. (C)

      Interoffice Section
      Interoffice Section mileage charges for the requested transmission speed shall apply for each termination of a corresponding Local Distribution Section on the premises of a customer or authorized user. Charges are based on the Vertical and Horizontal (V-H) distance between the Digital Hub and the Serving Office for the customer or authorized user. The appropriate rate schedule for the mileage band corresponding to the V-H distance between the Digital Hub and the Serving Office should be used. A fixed charge for the requested transmission speed will be applied per each Interoffice Section. (C) (C)

   b. Nonrecurring Charges

      A charge applies per each termination of a Local Distribution Section installed or moved on the premises of a customer or authorized user. (C)

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

REGULATIONS[/1/] (for MegaLink II[SM]-Premium Digital Service) (cont'd)

G. Method of Applying Rates (cont'd)

3. Additional Service Features

   A Multi-Station Arrangement charge is applied per channel connected when three or more channels are connected at a Digital Hub. The Multi-Station Arrangement is used to interconnect three or more Access Channels to a Digital Hub.

4. Determination of V-H Mileage

   Determine the "V" and "H" coordinates for the Digital Hub and Serving Offices and then follow the calculation shown below.

   Calculation of V-H Mileage

   a. Determine the difference between the "V" coordinates for the Digital Hub and the Serving Office. Similarly, determine the difference between the respective "H" coordinates. The difference is always determined by subtracting the smaller coordinate form the larger.

   b. Square each difference obtained in a. above.

   c. Add the squares of the "V" difference and the "H" difference obtained in b. above.

   d. Divide the sum of the squares obtained in c. above by 10.

   e. Obtain the square root of the result obtained in d. above. This distance is the rate distance in V-H miles. Fractional mileage distances should be rounded to the next higher full mile.

      Examples:

      Access Channel to a Digital Hub

	V	H
Little Rock Digital Hub	7721	3448
Benton "778" Serving Office	7781	3483
Difference	60	35

Sum of the squares = 3600 + 1225 = 4825

$\frac{4825}{10}$ = 21.97 = 22 V-H Miles

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

MEGALINK II^{SM} – PREMIUM DIGITAL SERVICE/1/

A. General

1. MegaLink II^{SM}-Premium Digital Service provides channels suitable for duplex transmission of synchronous digital signals at transmission speeds of 2.4, 4.8, 9.6 or 56 kilobits per second (kbps) between two customer premises. This service is guaranteed to provide an average performance of at least 99.5% error-free seconds for operation at all transmission speeds offered in this guidebook.

   Additional Service Features provided at Digital Hubs are available to improve the utility of MegaLink II^{SM}-Premium Digital Service channels.

   The service is furnished for duplex operation on a 24 hour per day, seven days per week basis for a minimum period of one month.

2. Service Responsibility

   The Company has overall responsibility for provision and maintenance of MegaLink II^{SM}-Premium digital service up to and including the Demarcation Point of the channel on the customer's premises. The service guarantee specified in Part 15, Section 1 is provided up to the Demarcation Point of the channel.

   The Company provides the customer a demarcation point at no charge as part of the MegaLink II^{SM}-Premium Digital Service. Upon request of the subscriber, landlord/property owner or its agent, the Company shall provide additional regulated network entrance facilities and/or demarcation arrangements in accordance with Part 15, Section 1. Each additional regulated network entrance facility will terminate in a demarcation arrangement located at a minimum point of entry within a specified designated telecommunications equipment space.

3. Service Availability

   MegaLink II^{SM}-Premium Digital Service is available to customers or authorized users within specific exchanges where the Company determines the access to a Digital Hub can be provided. (C)

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

MEGALINK II[SM] – PREMIUM DIGITAL SERVICE[/1/] (cont'd)

B. Description and Application of Services

MegaLink II[SM]-Premium Digital Service channels provide the transmission paths for digital data signals between two or more customers locations. Access to a Digital Hub from a customer premises requires the application of Local Distribution Section and Interoffice Section rate elements provided for this purpose.

Rate elements for Additional Service Features should be applied when these features are used in conjunction with MegaLink II[SM]-Premium Digital Service channels at the Digital Hub.

1. Channels

   Access Channels to a Digital Hub

   a. Local Distribution Section

      This rate element represents a two-point transmission path between a customer's premises and that premises' Serving Office. Local Distribution Sections suitable for synchronous data rates of 2.4, 4.8, 9.6, and 56 kbps, respectively, are provided.

   b. Interoffice Section

      This rate element represents a two-point transmission path between a Digital Hub and a Service Office where MegaLink II[SM]-Premium Digital Service is available. Interoffice Sections suitable for synchronous data rates of 2.4, 4.8, 9.6 and 56 kbps, respectively, are provided.

2. Additional Service Features

   Multi-Station Arrangement

   The arrangement provides the capability to connect multiple MegaLink II[SM]-Premium Digital Service channels at a Digital Hub. A Multi-Station Arrangement is provided for each channel when three or more channels are connected at a Digital Hub. All channels connected by a Multi-Station Arrangement must operate at the same transmission speed. This arrangement allows customers to simultaneously transmit communications from a master (control) station to many other stations or individually receive communications at a master (control) station from another station. All such communications are under the control of a customer specified master (control) station.

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

MEGALINK II[SM] – PREMIUM DIGITAL SERVICE[/1/] (cont'd)

C. Rates

1. Channels

Access Channels to a Digital Hub

a. Local Distribution Section

- Per termination of a Local Distribution Section on a customer's premises

For Transmission Speed of:	USOC	Monthly Rate	Nonrecurring Charge
2.4 kbps	1L7AJ	$35.00	$75.00
4.8 kbps	1L7BJ	40.00	75.00
9.6 kbps	1L7CJ	50.00	75.00
56.0 kbps	1L7DJ	120.00	100.00

a. Interoffice Section

- Per V-H mile between the Digital Hub and Serving Office for the mileage portion plus the fixed charge

For Transmission Mileage Band	Speed of:	USOC	Monthly Rate Fixed Charge	Monthly Rate Per Mile
Band 1	2.4 kbps	1L7A1	$50.00	None
For mileage of 0 or	4.8 kbps	1L7B1	80.00	None
over, but less than	9.6 kbps	1L7C1	100.00	None
2 miles	56.0 kbps	1L7D1	150.00	None
Band 2	2.4 kbps	1L7A2	60.00	$1.50
For mileage of 2 or	4.8 kbps	1L7B2	85.00	1.50
over, but less than	9.6 kbps	1L7C2	110.00	1.50
11 miles	56.0 kbps	1L7D2	165.00	4.00
Band 3	2.4 kbps	1L7A3	75.00	2.25
For mileage of 11	4.8 kbps	1L7B3	90.00	2.25
miles or over	9.6 kbps	1L7C3	120.00	2.25
	56.0 kbps	1L7D3	180.00	4.00

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

MEGALINK II[SM] – PREMIUM DIGITAL SERVICE[/1/] (cont'd)

C. Rates (cont'd)

1. Channels (cont'd)

   Multi-Station Arrangement

   - Per channel connected at a Digital Hub

	USOC	Monthly Rate
For all speeds	DDZ	$20.00

/1/ OBSOLETE – The Company's provisioning of MegaLink II-Premium Digital Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of May 25, 1999.

SERVED DIRECT SERVICE[/1/]

A. Regulations

1. This offering is for specified two-point intraexchange channel types between different buildings on different premises which do not route through a serving office.

2. Served Direct Channel Charges apply:

   a. When it is the economic decision of the Company to provide served direct facilities.[/2/]

   b. When there is a minimum billing of fifteen (15) channels per each two-point configuration.

   c. When the maximum airline distance between the two premises is one mile or less.

3. A customer may request this service offering when it is not the economic decision of the Company; however, in such case Special Construction Charges as specified in paragraph D.3 in Part 15, Section 1 shall apply in addition to the rates and charges found in this section.

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

4. Termination Liability Contracts where applicable in a customer initiated request for Served Direct Service would be equal to the costs incurred for rearrangements of existing facilities and/or construction of new facilities as appropriate, less net salvage. Installed cost includes any expense associated with this particular case.

5. The service is limited to intraexchange channels but can involve Served Direct Service between two separate Serving Office Areas.

B. Rates

Between Different Buildings on Different Premises

	USOC	Initial 1/10 Mile	Additional 1/10 Mile	Service Charge
Type 101[/3/]	1LMCQ, 1L3QQ	$4.84	$1.51	$75.00[/5/]
Type 415	1LLBQ	4.84	1.51	91.00[/4/]
Type 423[/3/]	1LMGQ, 1LPJQ, 1LLSQ	4.84	1.51	80.00[/5/]
Type 428	1LMKQ, 1LVBQ	4.84	1.51	80.00[/5/]

/1/ The Company's providing of Served Direct Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of December 14, 1995.
/2/ When the company places new facilities to meet this requirement and there is no forecasted reuse of the facilities, even though it is the most economical means of providing service, the company to protect its investment will require the customer to sign a Termination Liability Contract based on actual costs to provide service. The contract period will be determined on a case by case basis.
/3/ Channels provided only when associated with off-premises key equipment.
/4/ Only one Service Charge is applicable per channel.
/5/ Two points of termination. Two Service Charges apply.

SERVED DIRECT SERVICE[/1/] (cont'd)

C. Signaling Arrangements

Intraexchange

	USOC	Monthly Rate	Service Charge
Loop Signaling Options			
Per Served Direct Service Local Channel for Type 428 when associated with station ports of a premises switching system			
Where customer premises equipment is capable of operation over loops with resistance in the range of …			
Type, 0-199 ohms	SALAM	$7.50	$80.50[/2/]
Type B, 200-899 ohms	SAUBM	1.51	80.50[/2/]
Type C, 900 ohms or more	SAYCM	.54	80.50[/2/]

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

/1/ The Company's providing of Served Direct Service is limited to existing installations at existing locations for existing customers (i.e., only those arrangements in service) as of December 14, 1995.
/2/ Service Charge applies only if signaling option is installed subsequent to initial installation of the local channel.

1. GIGAMAN® SERVICE /1/

Effective September 30, 2017, GigaMAN Service will no longer be available for purchase by new or existing customers. The Company will no longer accept orders for adds, moves, changes or new term plans for GigaMAN Service, and existing term plans may not be renewed, converted or extended. Following the expiration of a customer's existing GigaMAN term agreement, service will be provided on a month-to-month basis at the applicable monthly extension rates until the service is discontinued. (N) (N)

A. General Description /1/

GigaMAN® Service is an intraLATA dedicated high capacity service limited to the transport of data signals between customer locations. GigaMAN provides for the transmission of data at a discrete bit rate of 1 Gigabit per second (Gbps) in Ethernet format (Ethernet IEEE 802.3z). GigaMAN is available in a point-to-point (node-to-node) configuration.

GigaMAN Service can be used to seamlessly extend customer local area networks to off-site locations such as data centers, storage locations or satellite office locations within the same metro area. Applications that could be used with GigaMAN Service include LAN-to-LAN connectivity, CAD/CAM file transfer, telemedicine and business continuity transport.

B. Regulations

The regulations, rates and charges specified herein are in addition to other regulations, rates and charges as specified in this guidebook.

The services provided for GigaMAN are primarily designed to meet the private line communications requirements of business customers, i.e., non-interexchange carriers.

C. Allowance for Interruptions

1. A service is interrupted when it becomes unusable to the customer because of a failure of a facility component used to furnish service under this guidebook or in the event that the protective controls applied by the Company result in the complete loss of service by the customer. An interruption period starts when an inoperative service is reported to the Company and the Company confirms that continuity has been lost, and ends when the service is operative.

   In case of an interruption to service, allowance for the period of interruption, if not due to the negligence of the customer or the customer's end user, shall be as follows:

   - The customer shall be credited for an interruption of 10 seconds or more as follows: the credit shall be at the rate of 10/8640 of the monthly charges for the service for each period of 5 minutes or major fraction thereof that the interruption continues. The credit allowance(s) for service interruptions shall not exceed 100% of the applicable monthly rates.

   - The Company's failure to provide or maintain services under this guidebook shall be excused by force majeure events such as, but not limited to, an earthquake, hurricane, flood, fire, storms, tornadoes, explosions, lightning, power surges or failure, fiber cuts, strikes or labor disputes, acts of war, civil disturbances, acts of civil commotion, criminal actions taken against the Company, acts of God and other circumstances beyond the Company's reasonable control. /1/

® GigaMAN is a registered trademark of AT&T Intellectual Property (C)

/1/ Material formerly appeared in Part 15, Section 4, Sheet 1.

GIGAMAN® SERVICE (cont'd) /1/

C. Allowance for Interruptions (cont'd)

2. Protection Options

A Service Level Agreement (SLA) is offered with fully-protected GigaMAN Service, which provides the customer with a performance commitment that includes a service credit if the service does not perform as described. An SLA of 99.999% Service Availability performance is offered on a GigaMAN circuit with Protection (defined as Equipment Plus Fiber Path Protection for every segment of the circuit). Service Availability will be determined using unavailable seconds as defined in ANSI T1.503-2002 (see *Technical Specification Packages* following).

- SLAs are applicable to customers who purchase Equipment Plus Fiber Path Protection with Alternate Wire Center Path Protection or Equipment Plus Fiber Path Protection with Local Channel Path Protection on both ends of a circuit (both local channels), as well as Inter-Wire Center Path Protection, when applicable.
- If this SLA is not met, or if there is any single event of unavailability of service of 10 seconds or more, the customer will be entitled to a credit equal to 100% of the monthly rate for the circuit. Only one such credit in a billing period will apply.
- In order to qualify for this credit, the event causing the unavailability must be determined by the Company to be in its network and the failure occurred in that part of the service with Protection.
- SLA adjustments are not available in the event of a cable cut in any unprotected portion of the GigaMAN Service fiber path or due to customer-requested modifications to the service that may require down time. Routine maintenance is not counted against unavailability.
- The customer is responsible for notifying the Company when the service parameter within the calendar month falls below the committed level.
- The customer must request a service credit within 25 calendar days after the end of the month when the unavailability event occurred. /1/

/1/ Material formerly appeared in Part 15, Section 4, Sheet 2.

GIGAMAN® SERVICE (cont'd) /1/

D. Provision of Service

1. This service is only available to customers in those LATAs served by and within the service territories of the Company.

2. The customer provided equipment must deliver the data signals for GigaMAN transport within the industry specifications for the subscribed data service. Interface specifications are as specified in the Technical Specifications Packages listed in paragraph F., *Technical Specifications*.

3. GigaMAN provides physical layer transport only. The Company assumes no responsibility for the through transmission of signals generated by CPE, for the quality of or defects in such transmission, for the reception of signals by CPE, or address signaling to the extent addressing is performed by CPE. Error Detection and correction of data generated by CPE is the customer's responsibility.

4. GigaMAN is designed to provide connectivity at the discrete bit rate of 1 Gbps. The service is considered interrupted when the customer reports to the Company and the Company confirms that continuity has been lost.

5. The provision of GigaMAN Service is subject to the availability and operational limitations of the equipment and associated facilities. In the event that suitable facilities are not available, or modifications to existing facilities are required, Special Construction charges may be applicable as set forth in Part 3, Section 14 of the Arkansas Intrastate Access Services Guidebook.

6. Repeaters (circuit regenerators) will be located in Company wire centers as required. A monthly charge will be associated with each repeater network element, except for the first repeater in a circuit path (as the first repeater is also used for service alarming and monitoring purposes).

7. Additional repeaters (circuit regenerators) may be required on the diverse or alternately routed path when Protection options are ordered by the customer. The need for repeaters on the protected path will be determined by the Company. Additional charges will apply.

8. Interoffice Channel Mileage charges are applicable on both parts of the GigaMAN Service when any of the Protection Options are ordered.

9. If Protection Options are added to an existing GigaMAN circuit that was installed after December 19, 2003, a temporary service interruption will result as the new protected circuit must be re-designed and re-installed. Termination Charges will not apply for the circuit redesign (see *Term Pricing Plan* following for requirements). This installation must occur during an agreed-upon maintenance window between a designated customer representative and the Company. The customer will be responsible for providing adequate floor space, as determined by the Company, to accommodate additional equipment bays and related power protection equipment (such as batteries). Protection Options are contingent on availability of equipment and fiber facilities from premise to premise. Other Special Construction charges, as necessary, may apply.

E. Channel Types

- 1 Gbps GigaMAN channel: an intraLATA dedicated high capacity channel, limited to the transport of data signals between customer stations. GigaMAN provides for the transmission of data at a discrete bit rate of 1 Gigabit per second (Gbps) in Ethernet format (Ethernet IEEE 802.3z). /1/

/1/ Material formerly appeared in Part 15, Section 4, Sheet 3.

GIGAMAN® SERVICE (cont'd) /1/

F. Technical Specifications Packages

Technical specifications for GigaMAN are described in the following technical reference:

Ethernet Standards for the SBC Local Exchange Companies	SBC TP-76412-000
Network Performance Parameters for Dedicated Digital Services – Definitions and Measurements	ANSI T1.503-2002

The technical specification can be obtained from:

APEx Support Team
(734) 523-7348

The ANSI publication can be obtained from:

Alliance for Telecommunications Industry Solutions
1200 G. Street, NW Suite 500
Washington, DC 20005

G. Service Components

There are five basic rate elements, which may apply to GigaMAN Service:
- Local Distribution Channel
- Interoffice Channel Mileage
- Repeater
- Diversity Options
- Protection Options

1. Local Distribution Channel (LDC)

   The local distribution channel is the channel between a customer's premises and the Company serving wire center that normally provides service to that customer's premises.

2. Interoffice Channel Mileage (ICM)

   Interoffice channel mileage is defined as the component of the service between two Company serving wire centers. The serving wire centers may be located in the same exchange area, as in multi-office metropolitan exchange, or may be located in different exchange areas.

   Interoffice channel mileage charges include a fixed charge, and a per mile charge, which is based on the vertical and horizontal (V-H) distance between serving wire centers or between exchanges measured in whole miles. Fractional miles are rounded to the next whole mile.

   V-H coordinates for serving wire centers can be found in the National Exchange Carrier Association, Inc. (NECA) Wire Center Information Tariff. /1/

/1/ Material formerly appeared in Part 15, Section 4, Sheet 4.

GIGAMAN® SERVICE (cont'd) /1/

G. Service Components (cont'd)

3. Repeater (RPTR)

   A repeater (circuit regenerator) may be used to extend the transmission of GigaMAN signals (service) when necessary. In addition, the first repeater in any multi-repeater circuit will be used for service alarming and monitoring purposes.

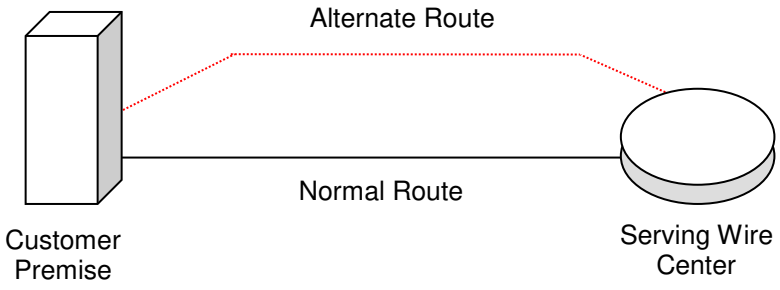
4. Diversity Options

   Route diversity options are available where facilities exist. If appropriate facilities do not exist, Special Construction charges may apply. End-to-end diversity can be achieved by coupling Alternative Wire Center Diversity with Inter-Wire Center Diversity. Diversity Options are only available to customers with service installed after December 19, 2003.

   GigaMAN offers the following diversity options:

   Local Channel Diversity (LCD)

   Local Channel Diversity provides for a transmission path between a designated customer premise and the standard serving wire center (SWC) that is diverse from the normal/standard transmission path. Local Channel Diversity requires two eligible services purchased by (or for the benefit of) the same customer. The Company will determine which services are eligible based on technical or operational limitations. With this arrangement, one or more local distribution channels will be provisioned over the standard route and one or more local distribution channels will be provisioned over the diverse route. Local channel diversity does not provide for full diversity; it only allows for diversity from the splice point closest to the customer's property line to the SWC. If a customer desires full diversity, arrangements must be made for constructing dual entrance facilities into the customer's premise, at the customer's expense.



/1/

/1/ Material formerly appeared in Part 15, Section 4, Sheet 5.

GIGAMAN® SERVICE (cont'd) /1/

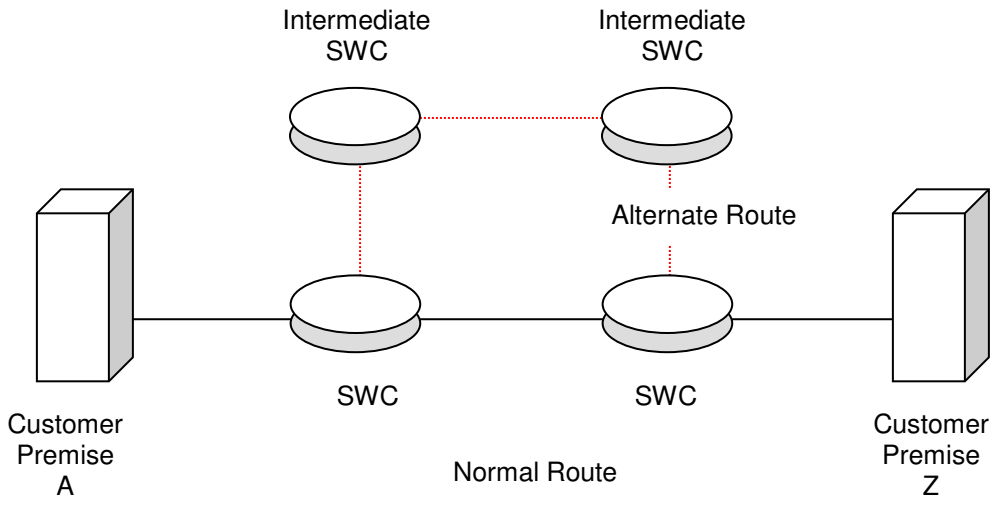
G. Service Components (cont'd)

4. Diversity Options (cont'd)

Inter-Wire Center Diversity (IWCD)

Inter-Wire Center Diversity arrangements presume that each end of a GigaMAN local distribution channel is served out of a different serving wire center (SWC). This arrangement provides a transmission path for GigaMAN local distribution channels between the customer's designated SWC and the serving wire center at the distant end of the circuit, over a transmission path that is separate from the standard transmission path between the two wire centers. Interoffice mileage will be calculated between the intermediate serving wire centers along the circuit path of the diversely routed GigaMAN Service. Inter-Wire Center Diversity requires two eligible services purchased by (or for the benefit of) the same customer. The Company will determine which services are eligible based on technical or operational limitations.

In this scenario, the customer may or may not already have a GigaMAN local distribution channel operating over the normal (or standard) inter-office route. Inter-wire center diversity does not provide for full diversity; it only offers interoffice diversity. If a customer desires full diversity, Alternate Wire Center Diversity must be implemented along with Inter-Wire Center Diversity. Additionally, arrangements must be made for constructing dual entrance facilities at the customer's premise, at the customer's expense.



/1/

/1/ Material formerly appeared in Part 15, Section 4, Sheet 6.

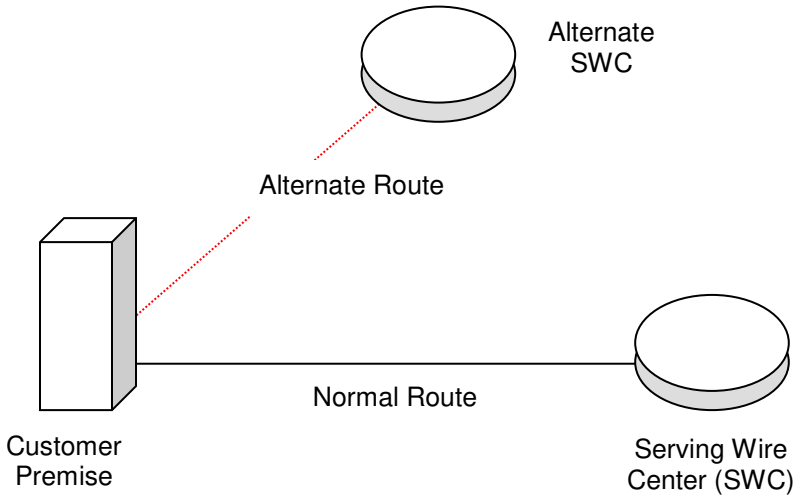
GIGAMAN® SERVICE (cont'd) /1/

G. Service Components (cont'd)

4. Diversity Options (cont'd)

Alternate Wire Center Diversity (AWCD)

Alternate Wire Center Diversity is for the local loop only. It provides a local channel transmission path for GigaMAN service between the customer's designated premises and a wire center that is not the normal (or standard) serving wire center. The Company will choose the alternate wire center closest to the customer's designated premise that is capable of providing GigaMAN Service over the alternate route. Alternate Wire Center Diversity does not require the purchase of two GigaMAN Services by (or for the benefit of) the same customer, nor does it require the customer to have an existing GigaMAN circuit operating over the normal (or standard) route to the normal (or standard) serving wire center. With this arrangement, one or more local distribution channels will be provisioned over the alternate route. If a customer desires full diversity, arrangements must be made for constructing dual entrance facilities into the customer's premise, at the customer's expense.



/1/

/1/ Material formerly appeared in Part 15, Section 4, Sheet 7.

GIGAMAN® SERVICE (cont'd) /1/

G. Service Components (cont'd)

5. Protection Options

Protection Options are available where facilities exist. If appropriate facilities do not exist, Special Construction charges may apply. Protection Options are only available to customers with service installed after December 19, 2003. In addition to charges for the various Protection Options, normal charges for the Local Distribution Channel and Interoffice Channel Mileage will apply. Protection Options provide additional levels of reliability to GigaMAN Service. There are multiple options for Protection at each end of a two point circuit. The options at each end do not need to be the dame, but both ends must include some form of Protection, for any to be offered. A GigaMAN circuit cannot include Protection at only one end (excluding Power Protection which can be at just one end, or both ends, of the circuit).

GigaMAN offers the following Protection Options:

Equipment Only Protection (EOP)

Equipment Only Protection offers a network design where one GigaMAN signal will be routed down two different fiber pairs that co-exist in the same cable and conduit structure, and terminate at the customer's premise in the same device (but into separate and distinct modules). Protection switching will occur between the two modules if necessary. Should one fiber pair or network element become defective, service will be maintained through 50 millisecond protection switching within the network terminating equipment (NTE) at the customer's demarcation point. If both fiber pairs are cut, an Out Of Service condition will result. This form of protection can only be ordered per loop (per end) for each circuit the customer wishes to protect. /1/

/1/ Material formerly appeared in Part 15, Section 4, Sheet 8.

GIGAMAN® SERVICE (cont'd) /1/

G. Service Components (cont'd)

5. Protection Options (cont'd)

Equipment Plus Fiber Path Protection

Equipment Plus Fiber Path Protection offers varying degrees of path protection for each terminating end of the circuit. For circuits that are served by different wire centers, Equipment Plus Fiber Path Protection may be combined with Inter-Wire Center Path Protection, to ensure a fully-protected circuit.

Equipment Plus Fiber Path Protection, with …

Alternate Wire Center Path Protection (AWCPP)
One GigaMAN (1 Gbps) signal will be routed over one fiber pair of the protected circuit from the customer's premise to the normal serving wire center, and a duplicate GigaMAN (1 Gbps) signal will be routed over a diversely routed fiber pair to the Alternate Wire Center selected by the Company. If any location between the fiber paths is closer than 10 feet, the location or locations will be disclosed to the customer. The customer will determine whether to accept the engineered path, or agree to pay Special Construction Charges to have a completely diverse route constructed in those instances where there is not a minimum separation of 10 feet between paths. The customer can also select Equipment Only Protection for an inter-office segment where facilities are not available. This option can be selected for one or both terminating ends. If an equipment failure or fiber cable cut occurs in a segment of the circuit that has this form of protection, the circuit will be switched to the alternate path in 50 milliseconds or less. If a customer desires full path diversity, arrangements must be made for constructing dual entrance facilities into the customer's premise, at the customer's expense.

Local Channel Path Protection (LCPP)
The two fiber pairs of the protected service will be routed diversely to the normal serving wire center. If any location between the fiber paths is closer than 10 feet, the location or locations will be disclosed to the customer. The customer will determine whether to accept the engineered path, or agree to pay Special Construction Charges to have a completely diverse route constructed. This option can be selected for one or both terminating ends. If an equipment failure or fiber cable cut occurs in a segment of the circuit that has this form of protection, the circuit will be switched to the alternate path in 50 milliseconds or less. If a customer desires full path diversity, arrangements must be made for constructing dual entrance facilities into the customer's premise, at the customer's expense. /1/

/1/ Material formerly appeared in Part 15, Section 4, Sheet 9.

GIGAMAN® SERVICE (cont'd) /2/

G. Service Components (cont'd)

5. Protection Options (cont'd)

Inter-Wire Center Path Protection (IWCPP)/1/

Each fiber pair is routed through different Central Offices between the two serving wire centers, or between the standard serving wire center and an alternate serving wire center. Inter-Wire Center Protection begins at the first manhole out of the Central Office. If only the two serving wire centers are involved, the two fiber pairs will be routed down two fiber paths that are separated by at least 10 feet. If any location between the fiber paths is closer than 10 feet, the location or locations will be disclosed to the customer. The customer will determine whether to accept the engineered path, or agree to pay Special Construction Charges to have a completely diverse route constructed. The customer will receive Equipment Only Protection for an inter-office segment where facilities are not available. If an equipment failure or fiber cable cut occurs on one of the inter-office routes, the circuit will be switched to the alternate path in 50 milliseconds or less. Interoffice mileage will be calculated between the intermediate serving wire centers along the circuit paths of both protected fiber pairs.

Power Protection (PP)

Power Protection provides customers with battery back-up for up to eight (8) hours to maintain GigaMAN equipment in case of a power failure. Power Protection is provided on a per rack or cabinet basis, and customers in a multi-tenant building will require separate equipment and bays dedicated to each customer. Power Protection is not available for installations using a wall mounted cabinet. Requests for Power Protection are subject to equipment availability and compatibility. Upon receipt of a customer request for Power Protection, the Company will determine the availability, design and engineering requirements for Power Protection, and the appropriate number of service element charges to apply. The addition of Power Protection to existing GigaMAN Service will result in a temporary service interruption.

/1/ Inter-Wire Center Path Protection must be ordered in conjunction with an Equipment Protection option at each end of the circuit. /2/
/2/ Material formerly appeared in Part 15, Section 4, Sheet 10.

GIGAMAN® SERVICE (cont'd) /1/

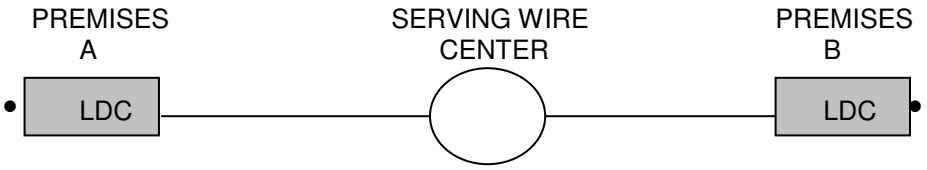
H. Service Configurations

All basic service configurations provide full duplex transmission. There is one basic type of GigaMAN Service configuration: Node-to-Node Service. GigaMAN services from a customer data hub location to multiple points, or multiple GigaMAN services between two customer data hub locations are merely aggregated node-to-node services.

Node-to-Node

A node-to-node configuration connects two customer-designated premises either inter- or intra-wire center.

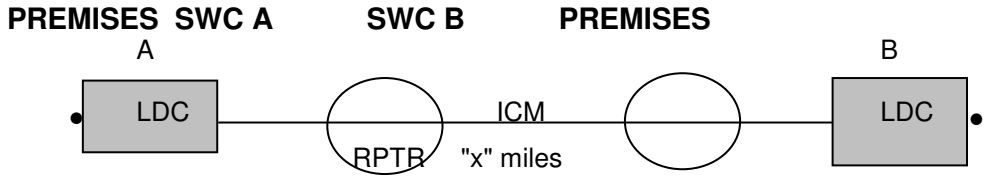
The following diagram depicts a node-to-node (intra-wire center) configuration connecting two customer designated premises served from the same wire center.



LDC – Local Distribution Channel

In this case, the applicable rate element is:
- Local Distribution Channels (two applicable)

The following diagram depicts a node-to-node (inter-wire center) configuration connecting two customer designated premises with Serving Wire Centers located "x" miles apart.



LDC – Local Distribution Channel
ICM – Interoffice Channel Mileage
RPTR - Repeater (where required)

In this case, applicable rate elements are:
- Local Distribution channels (two applicable)
- Interoffice Channel Mileage Fixed (one applicable)
- Interoffice Channel Mileage Per Mile ("x" applicable)
- Repeater (where required)

/1/

/1/ Material formerly appeared in Part 15, Section 4, Sheet 11.

GIGAMAN® SERVICE (cont'd) /3/

I. Rates and Charges

Nonrecurring charges are one-time charges that apply for specific work activity related to the provisioning of GigaMAN Service.

Installation Charge/1/	
- per Local Distribution Channel	$1,500.00
Protection Options,	
Per terminating end	
- Equipment Only /CPAEX/	625.00
- Equipment Plus Fiber Path Protection, with	
Alternate Wire Center Path Protection /CPAFX/, or	1,400.00
Local Channel Path Protection /CPAGX/	1,225.00
Per rack or cabinet	
- Power Protection /VBBGX/	475.00
Per circuit	
- Inter-Wire Center Path Protection/2/ /CPAHX/	625.00

/1/ The Installation Charge will be waived for those customers selecting the 36- or 60-month Term Pricing Plan (TPP) period for new service.
/2/ Inter-Wire Center Path Protection must be ordered in conjunction with an Equipment Protection option at each end of the circuit. /3/
/3/ Material formerly appeared in Part 15, Section 4, Sheet 12.

GIGAMAN® SERVICE (cont'd)

I. Rates and Charges (cont'd)

Recurring charges are flat recurring rates that apply each month or fraction thereof that the service is provided. Recurring rates may be applied only over a 12-, 24-, 36- or 60-month period under the terms and conditions of the Term Pricing Plan (TPP), described in the following paragraph. Upon completion of a TPP, a customer's service will automatically convert to the monthly rates unless the customer requests a new TPP. No customer shall purchase GigaMAN on a month-to-month basis prior to the completion of a TPP.

	USOC	Monthly Extension Charge	Term Pricing Plan *Monthly Contract Charges* 12-Month	24-Month	36-Month	60-Month
LDC	3LN5S	$6,925.50(I)	$3,300.00	$3,100.00	$2,850.00	$2,500.00
ICM	1DA8X					
Fixed		455.63(I)	250.00	225.00	200.00	100.00
Per Mile		227.81(I)	125.00	115.00	100.00	
RPTR	VU4	4,556.25(I)	2,400.00	1,700.00	1,150.00	850.00
MSR/1/	M1RGX	4,556.25(I)	2,400.00	N/A	1,150.00	850.00
Diversity						
LCD	CPALX	1,366.88(I)	750.00	750.00	750.00	750.00
IWCD	CPATX	911.25(I)	500.00	500.00	500.00	500.00
AWCD	CPAAX	2,187.00(I)	1,200.00	1,200.00	1,200.00	1,200.00
Protection						
EOP	CPAEX	2,733.75(I)	1,375.00	1,225.00	1,050.00	900.00
EP with						
AWCPP	CPAFX	4,483,35(I)	2,050.00	1,840.00	1,600.00	1,400.00
LCPP	CPAGX	3,991.28(I)	1,825.00	1,650.00	1,425.00	1,225.00
IWCPP/2/	CPAHX	865.69(I)	375.00	200.00	150.00	100.00
PP	VBBGX	1,275.75(I)	625.00	525.00	480.00	435.00

/1/ Effective October 24, 2003, service arrangements utilizing a legacy mid-span repeater (/M1RGX/) are grandfathered and no longer available for new customers. Should existing customers utilizing a legacy mid-span repeater disconnect (or relocate one end of) their service, the legacy mid-span repeater will no longer be available. The new equipment platform must be used in those scenarios.

/2/ Inter-Wire Center Path Protection must be ordered in conjunction with an Equipment Protection option at each end of the circuit.

GIGAMAN® SERVICE (cont'd) /1/

J. Term Pricing Plan

1. The Term Pricing Plan provides the customer with rate stabilization and discounted rates. The Term Pricing Plan provides for one, two, three or five year rate stabilization. Decreases in term monthly recurring rates will be passed on to customers who participate in a Term Pricing Plan. The Company will notify customers participating in a Term Pricing Plan when Plan Term monthly recurring rates are decreased.

   Should the Company increase its rates during the Term Pricing Plan period, the customer would continue to pay the rates in effect at the time the customer elected to establish service under the Term Pricing Plan.

2. The customer may choose to terminate an existing Term Pricing Plan before the end of the 12-month, 24-month, 36-month or 60-month and negotiate a new 12-month, 24-month, 36-month or 60-month Term Pricing Plan. The new Term Pricing Plan must be based upon the rates that are currently in effect and available to all customers at the time the Term Pricing Plan expires. Subsequently, customers under the monthly extension rates may convert their existing service to either a 12-month, 24-month, 36-month or 60-month Term Pricing Plan. Nonrecurring charges will be waived at the time of conversion.

3. The customer must provide the Company with a written notice of intent to renew a Term Pricing Plan no later than 90 days prior to its expiration. If the customer elects not to renew the Term Pricing Plan, or does not notify the Company of the customer's intent to renew the Term Pricing Plan, the service will automatically be billed under the monthly extension rates in effect at the time the Term Pricing Plan expires. Subsequently, customers under the monthly extension rates may convert their existing service to either a 12-month, 24-month, 36-month or 60-month Term Pricing Plan. Nonrecurring charges will be waived at the time of conversion.

4. Any special construction charges incurred for services billed under a Term Pricing Plan will be applicable as provided for in Part 3, Section 14 of the Arkansas Intrastate Access Services Guidebook.

5. Customers requesting the termination of a Term Pricing Plan prior to the expiration date, excluding Term Pricing Plans terminated as a result of renegotiations, will be charged a termination charge. The Termination Charge shall be:

   - All unpaid Special Construction or nonrecurring charges (excluding any waived charges); plus
   - Fifty percent (50%) of all recurring charges for the remaining months of the customer's term /1/

/1/ Material formerly appeared in Part 15, Section 4, Sheet 14.

GIGAMAN® SERVICE (cont'd) /1/

J. Term Pricing Plan (cont'd)

5. (cont'd)

   Effective October 24, 2003, the Company migrated to a new equipment platform in support of GigaMAN Service. As of October 24, 2003, customers who request a conversion from the legacy GigaMAN platform to the new equipment platform will be allowed to do so under the following conditions:

   - The customer must issue a disconnect order for their legacy GigaMAN Service and place a service order for GigaMAN Service using the new equipment platform. Termination Charges for the legacy service will be waived. Standard nonrecurring charges to install GigaMAN Service using the new equipment platform will apply.

   - The term of the new contract must be equal to or greater than the remaining time left on the legacy GigaMAN contract.

   Migration is contingent on availability of fiber from premise to premise. Other Special Construction charges, as necessary, may apply.

6. For circuits installed prior to December 19, 2003, a customer may move one Local Distribution Channel of a GigaMAN Service during their TPP term to another location in the same LATA and keep the TPP in force (without assessment of Termination Charges), provided no lapse in service occurs. Nonrecurring charges, as appropriate, will apply.

7. For circuits installed after December 19, 2003, customers will be permitted to move one end of a GigaMAN Service to another location, without incurring Termination Charges, given the following conditions are met:

   - The customer must issue a disconnect order for the existing location and place a new service order for GigaMAN Service at the new location. Termination Charges for the existing location will be waived. Standard nonrecurring charges to install GigaMAN Service as a new circuit will apply.

   - Negotiated down time will apply, as the new circuit will need to be designed and installed.

   - The term of the new contract must be equal to or greater than the remaining time left on the existing GigaMAN contract.

   - The existing GigaMAN Service must have been in service for a minimum period of 12 months for a 24-month contract, 15 months for a 36-month contract or 18 months for a 60-month contract. Existing GigaMAN Service with 12-month contracts will not be eligible for this Moves option.

   Moves are contingent on availability of fiber from premise to premise. Other Special Construction charges, as necessary, may apply. /1/

/1/ Material formerly appeared in Part 15, Section 4, Sheet 15.

GIGAMAN® SERVICE (cont'd) /2/

J. Term Pricing Plan (cont'd)

8. Customers will be permitted to add Protection Options to existing GigaMAN Service that was installed after December 19, 2003, without incurring Termination Charges, given the following conditions are met:

   - The customer must issue a disconnect order for the existing circuit and place a service order for the newly protected circuit. Termination Charges for the existing circuit will be waived. Standard nonrecurring charges to install the newly protected GigaMAN Service will apply. (the conditions described here do not apply to Power Protection added to an existing GigaMAN circuit).

   - Negotiated down time will apply, as the new circuit will need to be designed and installed.

   - The term of the new contract must be equal to or greater than the remaining time left on the existing GigaMAN contract. (the conditions described here do not apply to Power Protection added to an existing GigaMAN circuit).

   - The existing GigaMAN Service must have been in service for a minimum period of 12 months for a 24-month contract, 15 months for a 36-month contract or 18 months for a 60-month contract. Existing GigaMAN Service with 12-month contracts will not be eligible for this option. (the conditions described here do not apply to Power Protection added to an existing GigaMAN circuit).

   Addition of Protection Options are contingent on availability of equipment and fiber facilities from premise to premise. Other Special Construction charges, as necessary, may apply.

9. Customers re-negotiating an existing term payment plan contract expiring after December 19, 2003, will be required to migrate to the new equipment platform.

10. Customers will be permitted to upgrade to a higher-speed service provided by the Company, without incurring Termination Charges, given the following conditions are met:

    - an upgrade is considered an increase in speed or capacity when comparing GigaMAN Service to the new service.

    - the customer must issue a disconnect order for the existing GigaMAN Service and place a service order for the new, higher-speed service, such that there is no more than 90 days overlap in service.

    - the same customer locations must be utilized for the new, higher-speed service.

    - the expiration date for the new, higher-speed service is beyond the end of the original TPP term associated with the existing GigaMAN Service.

    - the existing GigaMAN Service must have been in service for a minimum period of 12 months for a 24-month contract, 15 months for a 36-month contract or 18 months for a 60-month contract. Existing GigaMAN Service with 12-month contracts will not be eligible for this Upgrade option./1/

/1/ Minimum in-service periods required for Upgrades only apply for service installed after July 20, 2007. /2/
/2/ Material formerly appeared in Part 15, Section 4, Sheet 16.

GIGAMAN® SERVICE (cont'd) /1/

J. Term Pricing Plan (cont'd)

11. Migration to AT&T Dedicated Ethernet

Customers subscribing to GigaMAN Service may migrate to AT&T Dedicated Ethernet provided by the Company without incurring Termination Charges, subject to the following conditions:

- The new AT&T Dedicated Ethernet and the existing GigaMAN Service must be billed to the same customer of record at the same customer locations.

- The customer's existing service must have been in place for at least 12 months.

- The minimum term for the new service must be at least 12 months and must be equal to or greater than the number of months remaining in the customer's existing Term Payment Plan (TPP) term.

- The speed (capacity/bandwidth) of the new service must be equal to or greater than that of the existing service.

- The customer must issue a disconnect order for the replaced GigaMAN Service to be effective within 90 days after the AT&T Dedicated Ethernet installation date. The disconnect and new orders must be coordinated through the Company.

- If overlapping service is required, the period will be limited to not more than 90 days and billing will apply to both services during the time both services are available. /1/

/1/ Material formerly appeared in Part 15, Section 4, Sheet 17.

NETWORK RECONFIGURATION SERVICE /1/

Effective October 30, 2018, Network Reconfiguration Service (NRS) will no longer be available for purchase by new or existing customers, and NRS service agreements may no longer be renewed. Effective July 31, 2022, the Company will no longer accept new requests for physical changes to existing service arrangements including the upgrade or downgrade of access/port speed, installation of new service, or moves to different service addresses. (N) (N)

A. Service Description

/1/

Network Reconfiguration Service (NRS) allows customers direct access to, and control of, their intraLATA MEGALINK Digital, MEGALINK 1.5, DS3 Service and certain analog Private Line services, without going through normal Company service order procedures. NRS uses a central office cross-connect system for the remote reconfiguration of these channels. The cross-connect devices currently used by the Company are Digital Cross-Connect Systems (DCSs) which interface only with the DS1 (1.544 Mbps) or DS3 (44.736 Mbps) signal and cross-connect internally at the DSO (64 Kbps) level. Customers can reconfigure their dedicated network services from their premises, or they can request the Company to perform the reconfigurations.

Service arrangements which use the public switched network in any way, (i.e., Foreign Exchange, Foreign Serving Office, MicroLink I or local exchange service) may not be terminated directly to a channel port of the NRS. NRS may be used with indirect terminations so long as the service arrangement does not expand the customer's local calling scope.

Customers will access NRS by use of a customer-provided terminal on their premises in conjunction with a dedicated line, available through Part 15, Section 2 or Section 3, or on a dial-up basis with a local exchange line and a seven-digit telephone number.

NRS is available only at certain Company-designated hub locations where digital cross-connect systems are located. NRS hub designations are found in the National Exchange Carrier Association, Inc.'s Wire Center Information Tariff, FCC 4.

B. Service Options

Two reconfiguration options are available: On-demand and Reservation

The on-demand option will make immediate changes to the network, while the reservation option will be executed at a specified time designated by the customer. Both types of reconfigurations are available whether the customer performs the reconfigurations or requests the Company to perform them.

/1/

/1/ Material formerly appeared on Part 15, Section 3, Sheet 60.

NETWORK RECONFIGURATION SERVICE (cont'd) /1/

C. Service Features

Routing
Allows customers to reroute dedicated circuits to different locations at any DS0, DS1 or DS3 bandwidth.

Renaming
Allows customers to rename their network locations, circuits and facilities.

Special Day Definition
Allows customers the capability to specify circuit reconfiguration on special dates, e.g., payday, holidays.

Resource Verification
Allows customers to verify the resource availability for the reservation period in their reconfiguration request prior to the system's confirmation or denial of the request.

Transaction Log
Provides customers a database log that contains every transaction involving reconfigurations of their services.

Multilevel Security
Eliminates the unauthorized entry into a customer's circuit network arrangement inventory.

Compatibility Table
Permits customers to view the allowable Private Line and MEGALINK Digital Link combinations that can be used with NRS.

Path Priority
Allows customers the ability to prioritize their circuit paths when multiple routes exist.

Reservation Summary Screen
Allows customers to view the status of their reconfiguration reservations.

Simple Commands and Screens
Permits customers to use simple commands on screens with easy to use menus.

Macro Command/Network Modeling
Allows customers the ability to initiate with one command, multiple two-point cross-connections. Customers can build separate network models, such as daytime models, nighttime models, and disaster recovery models and invoke their activation or switch from one to the other.

Variable Bandwidth Feature
Supports scheduled reconfigurations which allows for the interchangeable use of an internodal facility as either a full DS1, DS3 or one or more subtending channels. This feature requires a DS1 internodal facility in the customer's network. /1/

/1/ Material formerly appeared on Part 15, Section 3, Sheet 61.

NETWORK RECONFIGURATION SERVICE (cont'd) /1/

D. Technical Specifications

Services that are cross-connected by NRS must have identical technical characteristics to ensure compatibility and proper operation, e.g., Data-to-Data, Voice-to-Voice.

NRS specifications are set forth in Technical Reference TR-TSY-000366.

E. Rate Regulations

This section describes the rate elements applicable to NRS.

1. General

   Four basic rate elements apply to NRS:
   - Service Establishment
   - Database Modification
   - Port Charges
   - Reconfiguration Charges

2. Rate Element Description

   a. Service Establishment

      This charge applies per customer database setup. The customer database setup is a grid, built by the Company, that contains all the circuits the customer will be able to control and reconfigure. Security, as well as circuit inventory, is built into the grid, permitting the customer control of its own circuits. Also included is the provisioning of customer training. This charge includes the connection of the initial circuits.

   b. Database Modification

      Applies per customer contact, or request each time the customer requests a subsequent modification to the database grid. A modification may be an addition or deletion of circuits terminating on the cross-connect system, or a rearrangement of the database grid, e.g., an outside move, the rearrangement of the customer's routing priority, a change in the amount of bandwidth (from channelized data to video application), or a change in application of a MEGALINK 1.5 Service (from all data to all voice).

   c. Port Charges

      Port charges apply per port termination on the cross-connect system. There are three types of port charges:

      DSO Port Charge Apply for termination of all eligible services other than MEGALINK 1.5 and MEGALINK 45 High Capacity Digital Services.

      DS1 Port Charge MEGALINK 1.5 High Capacity Digital Service port termination.

      DS3 Port Charge MEGALINK 45 High Capacity Digital Service port termination /1/

/1/ Material formerly appeared on Part 15, Section 3, Sheet 62.

NETWORK RECONFIGURATION SERVICE (cont'd) /1/

E. Rate Regulations (cont'd)

2. Rate Element Description (cont'd)

   d. Reconfiguration Charges

      A reconfiguration charge applies per cross-connect and/or disconnect successfully completed in a DCS per request.

      There are two types of reconfiguration charges:
      - Individual reservation or demand requests performed by the customer, or for each segment of a model request performed by the customer or the Company.

      - Individual reservation or demand requests performed by the Company at the customer's request.

3. Application of Rates

   a. When NRS is used in conjunction with Private Line or MEGALINK services, the appropriate regulations, rates and charges as set forth in the applicable guidebook will apply in addition to the rates and charges as set forth in paragraph F. *Rates and Charges* following.

   b. Channel Mileage or Interoffice Mileage, if applicable, applies between the Company serving wire center and the Company NRS Hub or between two Company NRS Hubs.

   c. Nonrecurring charges, as set forth in Part 15, Section 2 (Analog Private Line) or Section 3 (MegaLink Digital Service, MegaLink 1.5 High Capacity Digital Service or DS3 Service), will be applied when existing channels are reterminated to an NRS port.

   d. One NRS port charge applies per circuit at the NRS hub. In addition, one port charge applies for each end of an interoffice or interexchange channel between two NRS hubs. /1/

/1/ Material formerly appeared on Part 15, Section 3, Sheet 63.

NETWORK RECONFIGURATION SERVICE (cont'd) /5/

F. Rates and Charges

	USOC	Monthly Rates	Nonrecurring Charges
Service Establishment			
- Per database setup	FN6DD	None	$1,722.00
Database Modification			
- Per request	FN6DC	None	86.00
Port Charges			
- Per port[/1,2,3/]			
DS0	PT5	$12.00	20.00
DS1	PT6	50.00	50.00
DS3	D3D	395.00	100.00
Reconfiguration Charges			
- Per cross connect and/or disconnect successfully completed, per request			
Individual reservation or demand request performed by the customer, or each segment of a model request performed by the customer or Company		None	1.25
Individual reservation or demand request performed by the Company at the customer's request		None	11.00

Volume Pricing[/4/]

- When a customer has twenty or more DS1 Ports or three or more DS3 Ports within a single LATA, rates and charges may be determined on a customer specific basis.

- When a customer has twenty-five or more DS1 Ports or five or more DS3 Ports within the state, rates and charges may be determined on a customer specific basis.

/1/ DSO Port monthly rates do not apply if the customer terminates twenty or more MEGALINK Digital Services at a single Company NRS hub location.
/2/ DS1 Port monthly rates do not apply if the customer terminates twenty or more MEGALINK 1.5 Services within a single LATA.
/3/ DS3 Port monthly rates do not apply if the customer terminates three or more DS3 Services within a single LATA.
/4/ As of October 1, 2013, Term Pricing Plan terms greater than 36 months are no longer available for new or renewing subscribers. /5/
/5/ Material formerly appeared on Part 15, Section 3, Sheet 64.

GENERAL /2/

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: Series 100, Series 200, Series 400, IntraLATA Extension Service, Customer Operating Center Service, Local Area Data Service, Signaling Arrangements, Channel Conditioning and Alternate Use Arrangements. /N/

1. In addition to the regulations set forth in the Regulations section of this guidebook applicable to private line services, additional regulations are set forth throughout this section. /2/

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 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 and including the Demarcation Point.

4. Exchange rates, rules 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.

5. When the number of Private Line services 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 result in lower charges to the customer./1/

   When it is feasible to connect buildings by the use of channels obtained from a cable for which carrying charges are paid to the Company, the regular guidebook charges do not apply. If in such a situation, the Company furnishes wiring inside either or both buildings, the rate for each channel termination is shown below. This charge applies only to channel terminations and is not applicable to terminations in station equipment or switching arrangements furnished by the Company./1/

	USOC	Monthly Rate
Channel Termination		
Half Duplex	29GDT	$2.90
Duplex	29G	5.80

6. The Company provides the customer a Demarcation Point at no charge, as part of the Private Line service. Upon request of the subscriber, landlord/property owner or its agent, the Company shall provide additional regulated network entrance facilities and/or demarcation arrangements in accordance with paragraph A.7 in Part 15, Section 1. Each additional regulated network entrance facility will terminate in a demarcation arrangement located at a minimum point of entry within a specified designated telecommunications equipment space.

/1/ Except for U. S. Military establishments, this offering is obsolete and applicable to existing installations at existing locations for existing customers. For existing U. S. Military establishments, additional cable facilities may be provided on a cost basis to meet the military's need for national security and emergency preparedness. /2/

/2/ Material formerly appeared in Part 15, Section 2.

SPECIAL SIGNALING SERVICE – SERIES 100 /1/

A. General

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 for use with power and signaling equipment and other special signaling services.

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

Those local channels used to provide a transmission path to connect with station equipment at a premise are defined in terms of electrical interfaces. Interconnection protection criteria and regulations as described in paragraph F. '*Connections*' in Part 15, Section 1 shall apply.

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

Type 101 - Transmission Characteristics in C. following

Type 102 - Transmission Characteristics in C. following

B. Furnishing of Service

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

Type 102 service is furnished on an intraexchange multipoint (minimum of 4 points, maximum of 26 points) basis. Type 102 and 102A services are provided on an 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 station.

C. Transmission Characteristics

The transmission characteristics of Types 101 and 102 are as follows:

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

Transmission specifications and limitations are described in the Bell System Technical Reference on the transmission specification for private line metallic circuits which 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.

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. /1/

/1/ Material formerly appeared in Part 15, Section 2.

SPECIAL SIGNALING SERVICE – SERIES 100 (cont'd)

D. Rates – Intraexchange Series 100

Class of Service Codes: 101 - RMTML, RMC1L
102 - RMTSL, RMC2L

	USOC	Monthly Rate	Service Charge
1. Local Channel, each			
Per first termination on a premise			
Type 101	1L3QY, 1LMCY	$15,264.00(I)	$134.00
Type 102	1L3QY, 1LMCY	17,240.00(I)	177.00
2. Interoffice Channel,			
Each V-H mile or fraction thereof, per channel			
Type 101	1L3QS, 1LMCS	13.00	0.00
Type 102	1L3QS, 1LMCS	8.00	0.00
3. Interoffice Channel Terminal, per terminal			
(two required per Interoffice Channel)			
Type 101	OXNTL, OXNSL	0.00	0.00
Type 102	OXNTL, OXNSL	15.30	0.00
4. Each additional point of termination of a local channel,			
Different building, same premises, per 1/10 mile/1/			
Type 101, first 1/10 mile	1LMCK, 1L3QK	3.76	0.00
Type 101, additional 1/10 mile		0.97	
Type 102, first 1/10 mile	1LMCK, 1L3QK	3.76	0.00
Type 102, additional 1/10 mile		0.97	
5. Each additional point of termination of a local channel			
in same building/1/			
Type 101	1L3QA, 1LMCA	2.04	0.00
Type 102	1L3QA, 1LMCA	2.04	0.00
6. Two-Point Service, different buildings same premises			
channel, per 1/10 mile/1/			
Type 101, first 1/10 mile	1LMCE, 1L3QE	3,809.00(I)	75.00
Type 101, additional 1/10 mile		0.97	
7. Two-Point Service, where the points are on different			
premises and are within same building			
Type 101	1LMFC, 1LLSC	19.05	134.00
8. Two-Point Service, same building channels/1/			
Type 101	1L3QB, 1LMCB	4.09	75.00
9. Two-Point Service, each additional point of termination			
in same building/1/ for 6, 7 or 8 preceding			
Type 101	1L3QC, 1LMCC	2.04	

/1/ Obsolete – existing installations at existing locations for existing customers.

SPECIAL SIGNALING SERVICE – SERIES 100 (cont'd)

E. Rates – Interexchange Type 102 Class of Service Codes – RMTSS, RMC2S

	USOC	Monthly Rate	Service Charge
1. Local Channel, each Per first termination on a premise Type 102	1L3QY, 1LMCY	$17,240.00(I)	$241.00
2. Interoffice Channel, Each V-H mile or fraction thereof Type 102	1L3QS, 1LMCS	4.30	0.00
3. Interoffice Channel Terminal, per terminal (two required per Interoffice Channel) Type 102	OXNTS, OXNSS	15.30	0.00
4. Interexchange Channel, Per V-H mile or fraction thereof Type 102	1L3Q4, 1LMC4		
0 to 250 miles, each mile		6.15	
Each additional mile over 250		4.19	
5. Interexchange Channel Terminal, each (two required per interexchange channel) Type 102	OXN3S, OXN2S	11.55	0.00
6. Each additional point of termination of a local channel, Different building, same premises, per 1/10 mile/1/			
Type 102, first 1/10 mile	1LMCK, 1L3QK	3.76	0.00
Type 102, additional 1/10 mile		0.97	
7. Each additional point of termination of a local channel in the same building/1/ Type 102	1L3QA, 1LMCA	2.04	0.00

/1/ Obsolete – existing installations at existing locations for existing customers.

SUB-VOICE GRADE SERVICE – SERIES 200 /2/

Class of Service Codes
250 - RMT++, DAT++, TWP++, RMCA+
251 - RMT++, DAT++, TWP++, RMCB+

A. General

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

B. Furnishing of Service

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 $\pm$ 1 or 62.5 $\pm$ 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 and 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.

C. Parameters and Specifications

Parameters and Specifications for Sub-Voice Grade Local Channels used with Company and Customer-Provided Station Equipment (CPE).

Basic Parameters	Specification or Limit
Channel Signals	Local Channels used with customer premises equipment as specified in B. above. 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 customer premises equipment as specified in B. above. 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. /2/

/2/ Material formerly appeared in Part 15, Section 2.

SUB-VOICE GRADE SERVICE – SERIES 200 (cont'd) /3/

D. Rates - Intraexchange

Class of Service Codes
250 - RMT+L, DAT+L, TWP+L, RMCAL
251 - RMT+L, DAT+L, TWP+L, RMCBL

	HALF DUPLEX			DUPLEX	
	USOC	Monthly Rate	USOC	Monthly Rate	Service Charge
1. Local Channel, each Per first termination on a premise					
Type 250	1LMFY 1LYDY 1L6BY 1L3AY	$30.60	1LMDY 1LYKY 1L6DY 1L3CY	$53.15	$241.00
Type 251	1LMFY 1LYDY 1L6BY 1L3AY	45.60	1LMDY 1LYKY 1L6DY 1L3CY	45.60	241.00
2. Interoffice Channel, each V-H mile or fraction thereof, per channel					
Type 250	1L3AS 1L6BS 1LMFS 1LYDS	5.20	1LYKS 1L3CS 1L6DS 1LMDS	7.75	0.00
Type 251	1L3AS 1L6BS 1LMFS 1LYDS	5.20	1LYKS 1L3CS 1L6DS 1LMDS	7.75	0.00
3. Interoffice Channel Terminal, per terminal (two required for each interoffice channel)					
Type 250	O1N5L	4.09	O1N6L	2.90	0.00
Type 251	O1N5L	4.09	O1N6L	4.09	0.00
4. Each additional point of termination of a local channel, different building, same premises, per 1/10 mile[/1,2/]					
Type 250, first 1/10 mile	1LMFK	9.40	1LMDK	13.40	
Type 250, additional 1/10 mile		0.97		1.94	
5. Each additional point of termination of a local channel in same building[/1,2/]					
Type 250	W1W	7.50	W2W	8.05	

/1/ Maximum of three terminations per the same premises for Type 250 and no additional termination of Type 251.
/2/ Obsolete – existing installations at existing locations for existing customers. /3/
/3/ Material formerly appeared in Part 15, Section 2.

SUB-VOICE GRADE SERVICE – SERIES 200 (cont'd) /3/

D. Rates – Intraexchange (cont'd)

	HALF DUPLEX		DUPLEX		
	USOC	Monthly Rate	USOC	Monthly Rate	Service Charge
6. Two-Point Service, Different buildings, same premises, Per 1/10 mile[/1/]					
Type 250, first 1/10 mile	1LMFE 1LYDE 1L6BE 1L3AE	$16.90	1LMDE 1LYKE 1L6DE	$22.30	
Type 250, additional 1/10 mile		0.97		1.94	
Type 251, first 1/10 mile	1LMFE 1LYDE 1L6BE 1L3AE	24.95	1LMDE 1LYKE 1L6DE	27.40	
Type 251, additional 1/10 mile		0.97		1.94	
7. Two-Point Service within same building channel[/1/]					
Type 250	1LMFB 1L6BB 1LYDB 1L3AB	15.05	1LMDB 1L6DB 1LYKB 1L3CB	15.85	
Type 251	1LMFB 1L6BB 1LYDB 1L3AB	23.10	1LMDB 1L6DB 1LYKB 1L3CB	23.90	
8. Two-Point Service where the points are on different premises and are within the same building	1LMFC 1LLSC	Equivalent to Type 101			
9. Each additional point of termination in same building for 6, 7 or 8 preceding[/1,2/]			WAP	8.05	

/1/ Obsolete – existing installations at existing locations for existing customers.
/2/ Maximum of three terminations per the same premises for Type 250 and no additional termination of Type 251. /3/
/3/ Material formerly appeared in Part 15, Section 2.

SUB-VOICE GRADE SERVICE – SERIES 200 (cont'd) /1/

E. Rates - Interexchange

Exchange Class of Service Codes
250 - RMT+L, DAT+S, TWP+S, RMCAS
251 - RMT+S, DAT+S, TWP+S, RMCBS

	HALF DUPLEX		DUPLEX		
	USOC	Monthly Rate	USOC	Monthly Rate	Service Charge
1. Local Channel, each Per first termination on a premise					
Type 250	1LMFY 1LYDY 1L6BY 1L3AY	$30.60	1LMDY 1LYKY 1L6DY 1L3CY	$53.15	$306.00
Type 251	1LMFY 1LYDY 1L6BY 1L3AY	45.60	1LMDY 1LYKY 1L6DY 1L3CY	45.60	306.00
2. Interoffice Channel, each V-H mile or fraction thereof, per channel					
Type 250	1L3AS 1L6BS 1LMFS 1LYDS	5.35	1LYKS 1L3CS 1L6DS 1LMDS	8.60	0.00
Type 251	1L3AS 1L6BS 1LMFS 1LYDS	5.35	1LYKS 1L3CS 1L6DS 1LMDS	8.60	0.00
3. Interoffice Channel Terminal, per terminal (two required for each interoffice channel)					
Type 250	O1N5S	2.80	O1N6S	2.80	0.00
Type 251	O1N5S	2.80	O1N6S	2.80	0.00
4. Interexchange Channel, each V-H mile or fraction thereof					
Type 250	1LYK4, 1L3C4, 1L6D4, 1LMD4				
0-250 Miles, each mile		5.05		5.05	
Each additional mile over 250		5.05		5.05	
Type 251	1LYK4, 1L3C4, 1L6D4, 1LMD4				
0-250 Miles, each mile		3.12		3.12	
Each additional mile over 250		3.12		3.12	/1/

/1/ Material formerly appeared in Part 15, Section 2.

SUB-VOICE GRADE SERVICE – SERIES 200 (cont'd) /3/

E. Rates – Interexchange (cont'd)

	HALF DUPLEX		DUPLEX		
	USOC	Monthly Rate	USOC	Monthly Rate	Service Charge
5. Interexhange Channel Terminal, per terminal (two required for each interexchange channel)					
Type 250	O1N2S	56.75	O1N3S	59.00	
Type 251	O1N2S	50.50	O1N3S	50.50	
6. Each additional point of termination of a local channel, different building, same premises, per 1/10 mile[1,2/]					
Type 250, first 1/10 mile	1LMFK	$9.40	1LMDK	$13.40	
Type 250, additional 1/10 mile		0.97		1.94	
7. Each additional point of termination of a local channel in same building[1,2/]					
Type 250	W1W	7.50	W2W	8.05	

/1/ Maximum of three terminations per the same premises for Type 250 and no additional termination of Type 251.
/2/ Obsolete – existing installations at existing locations for existing customers. /3/
/3/ Material formerly appeared in Part 15, Section 2.

VOICE GRADE SERVICE – SERIES 400 /2/

A. General

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 customer premises terminal equipment and systems are as set forth following:

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

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

Type 415 - A two-wire interface with effective two-wire facilities engineered for 1000 Hz net loss of 6 db, loop signaling is included in the local channel. Furnished for voice transmission in the same serving office as the primary service, off-premises extension (non-PBX) and off-premises Centrex (with switching equipment located on Company premises). Station and/or extension station use (Exchange, WATS, FX, Telephone Answering Service).

Type 417A - Furnished for voice transmission, Telephone Answering Service offering between a Local Exchange Company central office located Concentrator and the customer premises Identifier.

Type 417B - Furnished for voice transmission, Telephone Answering Service offering between a Local Exchange Company central office Electronic Concentrator and the customer premises Identifier.

Type 420 - A four-wire interface with four-wire facilities engineered for 1000 Hz net loss of 16 db.Normally suitable for use as a full duplex data channel./1/ /PVLCL; PVLCS/

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/ /PVLEL; PVLES/

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/ /PVLFL; PVLFS; PLYVL; RMTV+; OMRV+; Intercom; FPSVS/

Type 424 - A two-wire or four-wire interface with effective four-wire facilities engineered to VNL design specifications for tie line use. Normally suitable for use as a tie line between two premises PBX's (or similar) switching systems. Refer to '*Signaling Arrangements*' found later in this Section for applicable signaling charges. /PVLGL; PVLGS/

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.

/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 channel services. /2/
/2/ Material formerly appeared in Part 15, Section 2.

VOICE GRADE SERVICE – SERIES 400 (cont'd) /1/

A. General (cont'd)

Type 428 - A two-wire interface with effective two-wire facilities engineered for a 1000 Hz net loss of VNL+4db. Normally suitable for use as main or extension station of a premises PBX (or similar) switching system. Signaling arrangements may be required; refer to '*Signaling Arrangements*' found later in this Section for charges. Multipoint service not available.

Type 432 - Furnished for half duplex data transmission for Automatic Identified Outward Dialing (AIOD) data channel. For use between a customer premises PBX (or similar) switching system and a serving office. A two-wire interface with effective two-wire facilities engineered for 1000 Hz net loss of 13 db, D.C. signaling is included in the local channels.

Type 435 - A two-wire interface with four-wire facilities engineered for a 1000 Hz net loss of 16db. Normally suitable for use as a multipoint voice channel where two-way communication is required. (PVLSL)(PVLSS)

Type 437 - 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.

Available signaling options required to arrange Series 400 Channels are available at charges found in '*Signaling Arrangements*' described later in this Section.

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 Part 15, Section 1.

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

B. Parameters and Specifications

Parameters and specifications for two-point service used with 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

Basic Parameters	Specification or Limit
Net Loss	Local Channels used with 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 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. /1/

/1/ Material formerly appeared in Part 15, Section 2.

VOICE GRADE SERVICE – SERIES 400 (cont'd) /1/

B. Parameters and Specifications (cont'd)

Basic Parameters	Specification or Limit (cont'd)
Frequency Error	± 5 Hz
Frequency Response	300-3000 Hz, -3 db to +12 db 500-2500 Hz, -2 db to +8 db ("+" means more loss and "-" means less loss)
Envelope Delay Distortion	For Speech Application, not controlled For Data Application - less than 1000 microseconds, 1000-2400 Hz - less than 1750 microseconds, 800-2600 Hz
-13 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 BmO 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 Application, 10 degrees peak to peak
Non-Linear Distortion Signal to 2nd Order Distortion	For Speech Application, 20 db For Data Application, 25 db
Signal to 3rd Order Distortion	For Speech Application, 25 db For Data Application, 30 db /1/

/1/ Material formerly appeared in Part 15, Section 2.

VOICE GRADE SERVICE – SERIES 400 (cont'd) /2/

C. Multi-Point

The Company will provide bridging equipment in serving 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 Types 415, 417, and 428. See D.11. for intraexchange charges/1/.

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

The following restrictions are applicable to multipoint service: the channel is limited to no more than five (5) points and/or 4,000 circuit miles on two-wire services and no more than 20 points and/or 4,000 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 in paragraph B. preceding are not applicable.

/1/ Interexchange USOC options were withdrawn on December 4, 2012 and are no longer available. /2/
/2/ Material formerly appeared in Part 15, Section 2.

VOICE GRADE SERVICE – SERIES 400 (cont'd)

D. Rates - Intraexchange

	USOC	Monthly Rate	Service Charge
1. Local Channel, each			
Per first termination on a premise			
Type 414B/1/	1LTBY	$70.95	$354.00
Type 414C	1LTCY	0.00	236.00
Type 415	1LLHY, 1LLRY	21,736.00(I)	166.00
Type 417A	1LJKY	38.15	311.00
Type 417B	1LJJY	38.15	311.00
Type 435	1LPWY, 1L1MY, 1L3WY	65.55	225.00
Type 432	1L6QY	50.50	419.00
Type 437	1L6RY	45.15	199.00
Type 420/1/	1L6CY, 1LMDY	48,042.00(I)	252.00
Type 422/1/	1L6AY, 1LMFY	58.55	252.00
Type 423/1/	1LLUY, 1LPAY, 1L1OY 1L3AY, 1LMGY	31.00	188.00
Type 424/1/	1LTAY, 1LMHY	59.85	220.00
Type 425/1/	1LMJY	38.75	198.00
Type 428/1/	1LLJY, 1LMKY	21,736.00(I)	193.00
Type 435/1/	1LMMY	58.05	225.00
2. Interoffice Channel,			
Each V-H mile or fraction thereof,			
Per channel	1LJKS, 1LLBS, 1LPJS, 1LTBS, 1L1OS, 1L3AS, 1L6BS, 1L6DS, 1LMFS	5,381.00(I)	0.00
3. Interoffice Channel Terminal,			
Per termination			
(two required per interoffice channel)			
Type 414B	PMN4B	3.23	0.00
Type 414C	PMN4C	11.80	0.00
Type 415	/2/		
Type 417A	PMN17	9.40	0.00
Type 432	PMN22	16.35	0.00
Type 420	PMN3A, PMNCL	12.50	0.00
Type 422	PMN3B, PMNEL	12.05	0.00
Type 423	PMN11, PMNFL	9.00	0.00
Type 424	PMN4A, PMNGL	8.00	0.00
Type 425	PMNHL	5.25	0.00
Type 428	PMN12, PMNLL	10.00	0.00
Type 435	PMN5L	4.09	0.00

/1/ When service terminates in a SmartTrunk Interface or in a channel port of Access Advantage Plus, a Local Channel Charge will not apply for that location. All other appropriate circuit charges specified in this guidebook will apply.

/2/ For Channel Terminal rates for Type 415 channels, refer to G.6., *Rates* for Foreign Serving Office Service.

VOICE GRADE SERVICE – SERIES 400 (cont'd) /3/

D. Rates – Intraexchange (cont'd)

	USOC	Monthly Rate First 1/10 Mile	Each Add'l 1/10 Mile
4. Each additional point of termination of a local channel in different building, same premises[/1,2/]			
Type 420	1LMDK	$13.40	$1.94
Type 422	1LMFK	3.76	0.97
Type 423	1LPJK, 1LLUK, 1L1OK, 1LMGK	3.76	0.97
Type 425	1LMJK	7.50	1.94
Type 435	1LMKK, 1LPWK	6.85	1.94
5. Different buildings same premise channels, per 1/10 mile[/2/]			
Type 420	1L6DE, 1LMDE	23.35	1.94
Type 422	1L6BE, 1LMFE	5.80	0.97
Type 423[/2/]	1LLUE, 1LPJE, 1L1OE, 1L3AE, 1LMGE	5.80	0.97
Type 425	1LMJE	11.75	1.94

	USOC	Monthly Rate
6. Each additional point of termination of a local channel in same building[/1,2/]		
Type 422	M8X, M8XF3	2.04
Type 423	2SE, M8X, M8XGE	2.04
Type 425	MUXJ3	4.19
Type 435	M8XK3	4.19
7. Residence Extension Lines		
Different building, same premise[/2/]		
First 1/10 mile or fraction thereof	1LLJE	0.00
Each additional 1/10 mile or fraction thereof	1LLBE	0.97
8. Business Extension Lines		
Different building, same premise[/2/]		
First 1/10 mile or fraction thereof	1LLBE, 1LLU1	2.04
Each additional 1/10 mile or fraction thereof	1LLBE. 1LLU1	0.97

/1/ Additional points of termination do not apply for types 424 and 428.
/2/ Obsolete - existing installations at existing locations for existing customers. /3/
/3/ Material formerly appeared in Part 15, Section 2.

VOICE GRADE SERVICE – SERIES 400 (cont'd) /4/

D. Rates – Intraexchange (cont'd)

	USOC	Monthly Rate
9. Two-Point Service, Same building channels[/1/]		
Type 420	1L6DB, 1LMDB	$19.60
Type 422	1L6BB, 1LMFB	4.09
Type 423	29H, 1L3AB, 1LMMB	4.09
Type 424	1LTBB	8.30
Type 425	1LMJB	8.30
10. Two-Point Service where the points are on different premises and are within same building	1LMFC, 1LLSC	Equivalent to Type 101
11. Each additional point of termination in the same building for 5, 9 and 10[/1,2,3/]		
Type 420	DUX, DUXD3	9.90
Type 422	J5Y	2.04
Type 423	EZ6, 4SE, J5Y, J5YGE	2.04
Type 425	DUXJ3	4.19
12. Bridging Charges		
Per channel bridged	BQ7	14.00

/1/ Obsolete - existing installations at existing locations for existing customers.
/2/ Limited to a maximum of three additional points of termination per same premises channels.
/3/ Additional points of termination do not apply for Type 424. /4/
/4/ Material formerly appeared in Part 15, Section 2.

VOICE GRADE SERVICE – SERIES 400 (cont'd)

E. Rates - Interexchange

	USOC	Monthly Rate	Service Charge
1. Local Channel, each			
Per first termination on a premise			
Type 414B/1/	1LTBY	$70.75	$634.00
Type 414C	1LTCY	0.00	478.00
Type 415	1LPVY, 1LLAY	31.00	166.00
Type 417A	1LJKY	38.15	387.00
Type 417B	1LJJY	38.15	440.00
Type 420/1/	1L6CY, 1LLCY, 1LMDY	48,042.00(I)	311.00
Type 422/1/	1L6AY, 1LLDY, 1LMFY	58.55	317.00
Type 423/1/	1LLBY, 1LPAY, 1L1OY 1L3AY, 1LMGY	31.00	290.00
Type 424/1/	1LTAY, 1LMHY	56.95	365.00
Type 425/1/	1LMJY	38.75	301.00
Type 428/1/	1LPRY, 1LMKY	21,736.00(I)	279.00
Type 432	1L6QY	50.50	505.00
Type 435/1/	1LMMY, 1LPWY, 1L1MY, 1L3WY	58.00	279.00
2. Interoffice Channel,			
Each V-H mile or fraction thereof,			
Per channel	1LJKS, 1LLBS, 1LPJS, 1LTBS, 1L1OS, 1L3AS, 1L6BS, 1L6DS, 1LMFS	5,381.00(I)	0.00
3. Interoffice Channel Terminal,			
Per termination			
(two required per interoffice channel)			
	PMNSS	8.00	0.00
4. Interexchange Channel,			
Per V-H mile or fraction thereof	1LHU4		
0-250 Miles, each mile		6.10	
Each additional mile over 250		0.00	

/1/ When service terminates in a SmartTrunk Interface or in a channel port of Access Advantage Plus, a Local Channel Charge will not apply for that location. All other appropriate circuit charges specified in this guidebook will apply.
/2/ Material formerly appeared in Part 15, Section 2.

VOICE GRADE SERVICE – SERIES 400 (cont'd) /3/

E. Rates – Interexchange (cont'd)

	USOC	Monthly Rate	Service Charge
5. Interexchange Channel Terminal, Per terminal (two required per interexchange channel)			
Type 414B	P1NH1	$35.45	$0.00
Type 414C	P1NJ1	35.45	0.00
Type 417A	P1NK1	35.45	0.00
Type 420	P1NC1, P1NQ1	40.00	0.00
Type 422	P1NE1, P1NR1	40.00	0.00
Type 423	P1NA1, P1NS1	40.00	0.00
Type 424	P1NG1, P1NT1	35.45	0.00
Type 425	P1NU1	35.45	0.00
Type 428	P1NB1, P1NV1	40.00	0.00
Type 432	P1NM1	35.45	0.00
Type 435	P1NL1, P1NW1	35.45	0.00
Foreign Exchange	P1NF4	40.00	0.00
6. Each additional point of termination of a local channel in the same building[/1,2/]			
Type 422	M8X, M8XF3	2.04	
Type 423	2SE, M8X, M8XG3	2.04	
Type 425	MUXJ3	4.19	
Type 435	M8X23, M8XK3	4.19	
7. Bridging Charge (Multi-Point Service) Per channel bridged	BQ7, BQ7AL	14.00	

	USOC	Monthly Rate First 1/10 Mile	Monthly Rate Each Add'l 1/10 Mile
8. Each additional point of termination of a local channel in different building, same premises[/1,2/]			
Type 420	1LMDK	$13.40	$1.94
Type 422	1LMFK	3.76	0.97
Type 423	1LPJK, 1L1OK, 1LMGK	3.76	0.97
Type 425	1LMJK	7.50	1.94
Type 435	1LMKK, 1LPWK	6.85	1.94

/1/ Additional points of termination do not apply for Types 424 and 428.
/2/ Obsolete – existing installations at existing locations for existing customers. /3/
/3/ Material formerly appeared in Part 15, Section 2.

VOICE GRADE SERVICE – SERIES 400 (cont'd) /1/

F. Conditioning Options - Available for Types 414B, 414C, 420, 422, 424 and 443

1. The types and description of the available conditioning options, at rates found in Section 2 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

   Loss Deviation with Frequency (from 1000 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

   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 more loss)

   Type C4 For a two-point or three-point channel, the …

   Envelope Delay Distortion shall not exceed:
   - between 1000 and 2600 Hz, a maximum difference of 300 microseconds
   - between 800 and 2800 Hz, a maximum difference of 500 microseconds
   - between 600 and 3000 Hz, a maximum difference of 1500 microseconds
   - between 500 and 3000 Hz, a maximum difference of 3000 microseconds

   Frequency Response shall not exceed:
   - between 500 and 3000 Hz, -2 db to +3 db
   - between 300 and 3200 Hz, -2 db to +6 db
     (+ means more loss)

NOTE: On a three-point channel, conditioning in accordance with above specifications is applicable only between one station (that designated by the customer as the control point) and each of the other two or three stations. /1/

/1/ Material formerly appeared in Part 15, Section 2.

VOICE GRADE SERVICE – SERIES 400 (cont'd) /2/

F. Conditioning Options - Available for Types 414B, 414C, 420, 422, 424 and 443 (cont'd)

1. (cont'd)

Type C5 For a two-point channel, the …

Envelope Delay Distortion shall not exceed:
- between 1000 and 2600 Hz, a maximum difference of 100 microseconds
- between 600 and 2600 Hz, a maximum difference of 300 microseconds
- between 500 and 2800 Hz, a maximum difference of 600 microseconds

Frequency Response shall not exceed:
- between 300 and 3000 Hz, -1.0 db to +3.0 db
- between 500 and 2800 Hz, -0.5 db to +1.5 db
  (+ means more less)

Type D1 High Performance Data Conditioning for a two-point channel not arranged for switching/1/

Signal to C-Notched Noise Ratio 28db

Non-linear distortion:
- Signal to second order distortion 35db
- Signal to third order distortion 40db

When the channel equipped with this conditioning is utilized 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.
/2/ Material formerly appeared in Part 15, Section 2. /2/

VOICE GRADE SERVICE – SERIES 400 (cont'd)

G. IntraLATA Foreign Exchange and Foreign Exchange Centrex (with switching equipment located on Company premises) Station Service

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, rules and regulations; and for the private line portion of the service, are subject to the private line charges, rules and regulations in this Guidebook.

4. The provisioning of the private line service at the customer's premises is to be treated as a complex service. The Company will terminate the service at a Demarcation Point and the service responsibility will be up to and including that one Demarcation Point. The customer will be responsible for additional terminations beyond the Demarcation Point.

5. Off-premises extensions are provided only where facilities and conditions permit. Type 415 Local Channel Charges apply for off-premise extensions.

6. Rates

	USOC	Monthly Rate	Service Charge
Point of Termination in one foreign exchange/1,3/			
Between exchanges …			
0 to 20 miles apart	T21	$52.75	$317.00
Over 20 miles apart	T22	87.25	317.00
Point of Termination in two foreign exchanges/2,3/	T1S	98.50	720.00
Interoffice Channel Terminal, each (two required per interoffice intraLATA channel)	PMNFX	5,381.00(I)	0.00

/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 terminates in a channel port of Access Advantage Plus.
/4/ Material formerly appeared in Part 15, Section 2.

VOICE GRADE SERVICE – SERIES 400 (cont'd) /4/

H. Foreign Serving Office and Centrex (with switching equipment located on Company premises) Station Service

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 the Company 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, rules and regulations, and for the private line portion of the service, are subject to the private line charges, rules and regulations in this Guidebook.

4. The provisioning of the private line service at the customer's premises is to be treated as a complex service. The Company will terminate the service at a Demarcation Point and the responsibility will be up to and including that one Demarcation Point. The customer will be responsible for additional terminations beyond the Demarcation Point.

5. Off-premises extensions are provided only where facilities and conditions permit. Type 415 local channel charges apply for off-premises extensions.

6. Rates

	USOC	Monthly Rate	Nonrecurring Charge
Point of Termination in one foreign serving office/1,3/	T21FS	$0.00	$139.00
Point of Termination in two foreign serving offices/2,3/	T1SFS	17.45	139.00
Interoffice Channel Terminal, each (two required per interoffice channel)	PMNFS	14.00	0.00

/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 the Main Station, 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 terminates in a channel port of Access Advantage Plus. /4/
/4/ Material formerly appeared in Part 15, Section 2.

INTRALATA EXTENSION SERVICE[/1/] /2/

A. Regulations

In addition to the general regulations and definitions applicable to private line services set forth in this Guidebook, the following regulations apply to Extension Service.

1. Voice Grade Service (400 Series Channels)

   Extension service is that of furnishing facilities for one or more stations for each authorized connection to a private line voice grade service equipped for communication among three or more stations at a time, and furnished to a branch or agency of the United States Government for the collection and dissemination of information relating to air traffic control activities and similar information of public interest in connection with supervision of the flight of aircraft along civil airways.

2. Sub Voice Grade Services (200 Series Channels)

   a. Extension service is that of furnishing facilities to allow connection with a private line sub-voice grade service furnished to a branch or agency of the United States Government for the collection and dissemination of weather information or miscellaneous airways information pertaining to the supervision of flight of aircraft along civil airways.

   b. Connection may be made as follows:

      1. Receiving Only Service - for reception of weather and miscellaneous airways information transmitted over the Government service to which it is connected.

      2. Sending and Receiving Service - for transmission of flight plans to and acknowledgment of such plans from the Government service to which the connection is authorized.

B. Rates

1. Voice Grade Services

   a. Local Channels

      A charge as specified in '*Voice Grade Service – Series 400*' preceding, for two local channels to the customer's premises applies for each extension service not located on the same premises as a government station and arranged for communication among three or more stations at one time.

   b. Interexchange Channels and Channel Terminals

      The charges as specified in '*Voice Grade Service – Series 400*' preceding apply.

   c. Interoffice Channels and Channel Terminals

      The charges as specified in '*Voice Grade Service – Series 400*' preceding apply.

/1/ Extension services connected to an InterLATA service is provided out of the Access Services Guidebook, Part 3, Section 7. /2/
/2/ Material formerly appeared in Part 15, Section 2.

INTRALATA EXTENSION SERVICE[/1/] (cont'd) /2/

B. Rates (cont'd)

1. Voice Grade Services (cont'd)

   d. Extension Service Arrangements

      1. Where one or more extension services are located on the same premises and in the same building as a station on the government service, charges apply as follows:

         First station, per month /TNE/ $22.55
         Service Charge, per station 123.00

      2. Where one or more extension services are located on the same premises but in a different building as a station on the government service, charges apply as follows:

         First station, per month /UNE/ $22.55
         Additional station, same building, per month /TNE/ 22.55
         Service Charge, per station 123.00

      3. Where one or more extension services are connected to a government service by interexchange channels, a charge of $25.50 /ZME/ per month applies at the exchange at which such connection is made, for each extension service so connected in addition to the charges for interexchange channel, channel terminals, and local channels and station equipment.

2. Sub-Voice Grade Services

   a. Local Channels

      Local channel charges as specified in '*Sub-Voice Grade Service – Series 200*' preceding, apply except for 1. and 2. following:

      1. Where an extension service station is connected to the Government service at a station on the Government service and is on the same airport as the Government station, an additional Local Channel charge applies.

      2. Where the extension service or more than one extension service is furnished on the same premises and connected to the same service, additional Local Channel charges apply.

   b. Interexchange Channels and Channel Terminals

      The charges as specified in '*Sub-Voice Grade Service – Series 200*' preceding apply.

   c. Interoffice Channels and Channel Terminals

      The charges as specified in '*Sub-Voice Grade Service – Series 200*' preceding apply.

/1/ Extension Services connected to InterLATA service is provided out of the Access Services Guidebook, Part 3, Section 7. /2/
/2/ Material formerly appeared in Part 15, Section 2.

INTRALATA EXTENSION SERVICE[/1/] (cont'd) /2/

B. Rates (cont'd)

2. Sub-Voice Grade Services (cont'd)

d. Connecting Arrangements

A connecting arrangement rate of $5.25 per month applies for each main station on a receiving only service which is connected by means of local interoffice and interexchange channels /AR2/.

/1/ Extension Services connected to InterLATA service is provided out of the Access Services Guidebook, Part 3, Section 7. /2/
/2/ Material formerly appeared in Part 15, Section 2.

CUSTOMER OPERATING CENTER SERVICE /1/

A. Regulations

1. A customer who operates a Customer Operating Center requiring large, dedicated quantities of local channel types 101, 102, 415, 417, 420, 422, 423, or 428 between their location and its normal serving office may, at his option, subscribe to Customer Operating Center Service.

2. For the purpose of this offering, a Customer Operating Center is a customer premises:

   a. operated by the customer over which the customer has control and provides security.

   b. from which the customer furnishes and administers services to multiple patrons in a geographical area. The term "Patron" denotes a subscriber to the services offered by the operator of a Customer Operating Center.

   c. at which a system, or a group of systems operated by the customer to receive signals and messages which are recorded, maintained, and supervised by the customer.

   d. at which the customer has regularly scheduled observers, operators and/or equipment in attendance at all times which upon receipt of a signal or message from a patron, take such action as shall be required under the rules established by the customer for their/its guidance.

3. Ownership of facilities provided in accordance with this offering remains with the Company.

B. Method of Applying Rates

1. Recurring Monthly Rates

   a. Dedicated cable - a monthly rate applies per cable of a specific quantity of pair and length.

      1. Cable sizes available are 100, 200, 300, 400, 600, 900, and 1200.

      2. The customer will provide the cable size he wishes to have dedicated to his use and agrees to payment of charges per each dedicated cable.

      3. Distances are measured in airline one quarter mile increments from the customer's operating center to its normal serving office. The maximum distance for this service is one mile.

   b. Local Channel activated - a monthly charge per local channel activated also applies. This monthly charge and all associated Private Line Channel Charges are billable to the Customer Operating Center subscriber only and not his patron.

2. Service charges - are applicable:

   a. per dedicated cable

   b. per local channel activated, this charge and any other Private Line Channel Charges are billable only to the Customer Operating Center subscriber. /1/

/1/ Material formerly appeared in Part 15, Section 2.

CUSTOMER OPERATING CENTER SERVICE (cont'd) /1/

B. Method of Applying Rates (cont'd)

3. Maximum Termination Liability

   a. To the extent that there is no other requirement for use by the Company of facilities provided under this plan, a termination liability will apply for facilities furnished at the request of the customer between his premises and the normal serving office.

   b. The termination liability period is 10 years.

   c. The amount of the maximum termination liability is equal to the estimated amount for:

      1. Cost of the installed facilities provided including costs incurred for rearrangements of existing facilities and/or construction of new facilities as appropriate, less net salvage. Installed cost includes the cost of:
         - equipment and materials provided or used,
         - engineering, labor and supervision,
         - rights of way

      2. License preparation, processing and related fees.

      3. Any other items of expense associated with the particular situation.

   d. The ten year maximum termination liability as described above applies per dedicated cable and is reduced by 1/120 for each month of the 10 year period that the cable is in service from the date it is placed in service for a specific customer. /1/

/1/ Material formerly appeared in Part 15, Section 2.

CUSTOMER OPERATING CENTER SERVICE (cont'd) /1/

C. Rates

1. Recurring Monthly Rates

   a. Per Dedicated Cable

	Within 1/4 Mile	Within 1/2 Mile	Within 3/4 Mile	Within 1 Mile
100 Pairs	$505.00 /1LZ1A/	$827.00 /1LZ1B/	$1,171.00 /1LZ1C/	$1,530.00 /1LZ1D/
200 Pairs	650.00 /1LZ2A/	1,042.00 /1LZ2B/	1,456.00 /1LZ2C/	1,892.00 /1LZ2D/
300 Pairs	779.00 /1LZ3A/	1,230.00 /1LZ3B/	1,703.00 /1LZ3C/	2,203.00 /1LZ3D/
400 Pairs	913.00 /1LZ4A/	1,424.00 /1LZ4B/	1,956.00 /1LZ4C/	2,520.00 /1LZ4D/
600 Pairs	1,214.00 /1LZ6A/	1,875.00 /1LZ6B/	2,563.00 /1LZ6C/	3,294.00 /1LZ6D/
900 Pairs	1,682.00 /1LZ9A/	2,569.00 /1LZ9B/	3,499.00 /1LZ9C/	4,482.00 /1LZ9D/
1,200 Pairs	2,198.00 /1LZCA/	3,343.00 /1LZCB/	4,547.00 /1LZCC/	5,821.00 /1LZCD/ /1/

/1/ Material formerly appeared in Part 15, Section 2.

CUSTOMER OPERATING CENTER SERVICE (cont'd) /1/

C. Rates (cont'd)

1. Recurring Monthly Rates (cont'd)

   b. Per Intraexchange Local Channel Activated, by type of service

	Within 1/4 Mile	Within 1/2 Mile	Within 3/4 Mile	Within 1 Mile	Service Charge Per Circuit Activated
Type 101 /1LMCZ/	$0.54	$0.54	$0.54	$0.54	$134.00
Type 102 /1LMCZ/	1.83	1.83	1.83	1.83	177.00
Type 415 /1LLHZ/	0.54	0.54	0.54	0.54	166.00
Type 417A /1LJKZ/	0.54	0.54	0.54	0.54	311.00
Type 417B /1LJJZ/	4.03	7.75	7.75	7.75	311.00
Type 420 /1LMDZ/	11.00	11.80	12.60	13.15	252.00
Type 422 /1LMFZ/	0.54	0.54	0.54	0.54	252.00
Type 423 /1LMGZ/	0.54	0.54	0.54	0.54	188.00
Type 428 /1LMGZ/	1.29	1.83	2.15	3.66	193.00

/1/

/1/ Material formerly appeared in Part 15, Section 2.

CUSTOMER OPERATING CENTER SERVICE (cont'd) /1/

C. Rates (cont'd)

1. Recurring Monthly Rates (cont'd)

   c. Per Interexchange Local Channel Activated, by type of service

	Within 1/4 Mile	Within 1/2 Mile	Within 3/4 Mile	Within 1 Mile	Service Charge Per Circuit Activated
Type 102 /1LMCZ/	$1.83	$1.83	$1.83	$1.83	$241.00
Type 415 /1LLAZ/	0.54	0.54	0.54	0.54	166.00
Type 417A /1LJKZ/	0.54	0.54	0.54	0.54	387.00
Type 417B /1LJJZ/	4.03	7.75	7.75	7.75	440.00
Type 420 /1LMDZ/	11.00	11.80	12.60	13.15	311.00
Type 422 /1LMFZ/	0.54	0.54	0.54	0.54	317.00
Type 423 /1LMGZ/	0.54	0.54	0.54	0.54	290.00
Type 428 /1LMKZ/	1.29	1.83	2.15	3.66	279.00

2. Service Charge

   Per dedicated cable $100.00 /1/

/1/ Material formerly appeared in Part 15, Section 2.

LOCAL AREA DATA SERVICE /2/

A. Regulations

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

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

B. Description of Service

Local Area Data Service will provide subject to availability of facilities, channels suitable for baseband transmission of data signals between two points on the same premises or different premises within the same serving office area. Service is limited to points that are not more than six (6) cable route miles apart, as determined by the Company, using normal cable routing between the points to be served. Service is offered only for balanced transmission of data signals conforming to the signal power limitations and other parameters specified in the applicable Bell System Technical Reference.

1. Local Area Data Service channels require use of nonloaded cable facilities. In the event that only loaded facilities are available, the Company will at the customer's request, de-load facilities as specified under the Special Construction provisions found in paragraph D.3 in Part 15, Section 1.

2. Such channels are available in three types as follows:

   Type 980 - 2-wire interface with effective 2-wire facilities for use with customer provided equipment with the transmission characteristics specified in B.3 following and the applicable Bell System Technical Reference.

   Type 981 - 4-wire interface with effective 4-wire facilities for use with customer provided equipment with the transmission characteristics specified in B.3 following and the applicable Bell System Technical Reference.

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

Maximum End-to-End Facility Length In Route Miles	Maximum Insertion Loss at 1000 Hz. in dB/1/
1	9.0
2	13.5
3	17.0
4	20.0
5	23.0
6	25.5

/1/ Insertion loss is referenced to 135 OHM resistive terminations at each end.
/2/ Material formerly appeared in Part 15, Section 2. /2/

LOCAL AREA DATA SERVICE (cont'd) /2/

C. Rates

1. Two-Point Service, same building, same premises/1/

	USOC	Monthly Rate
Type 980	1LMGB	$13.95
Type 981	1LMGB, 1L6GB	27.95

2. Two-Point Service where the points are on different premises and are within the same building

	1LMFC, 1LLSC	Equivalent to Type 101

3. Two-Point Service, different building, same premises/1/

		Monthly Rate	
	USOC	First 1/10 Mile	Additional 1/10 Mile
Type 980	1LMGC	$16.10	$0.91
Type 981	1LMGC, 1L6GC	32.25	1.83

4. Two-Point Service, local channel, each
Per termination on a premises; different building, different premises

	USOC	Monthly Rate	Service Charge
Type 980	1LMGJ	$27.40	$188.00
Type 981	1LMGJ, 1L6GJ	54.25	188.00

/1/ Obsolete - Applicable to existing customers at existing locations for existing facilities.
/2/ Material formerly appeared in Part 15, Section 2. /2/

SIGNALING ARRANGEMENTS /4/

A. Signaling Arrangements

	USOC	Monthly Rate	Service Charge
1. Key Selector Signaling			
For signaling individual stations, or predetermined groups of stations by means of a signaling key[/1/]			
- Per station equipped to send signals[/2/]	L3Z	$15.55	$0.00
- Per station, or predetermined groups of stations within an exchange, equipped to receive a given signal	W5U	96.75	0.00

The nonrecurring charge does not apply for a signal control arrangement installed at the same time as the audible or visual signal with which it is associated.

2. Signaling Options per point of termination for the capability to accommodate manual signaling on private line service utilizing Type 420, 422, 423, 425 and 435 local channels.[/3/]			
Interexchange IntraLATA			
Manual	J1B	22.30	80.50
Automatic	J1A	16.10	80.50
Intraexchange			
With Interoffice Channel			
Manual	J1B	13.70	80.50
Automatic	J1A	9.90	80.50
Without Interoffice Channel			
Manual	J1BWO	7.50	80.50
Automatic	J1AWO	9.95	80.50

3. Rules and Regulations

   a. The type A, B and C Loop Signaling Arrangements for station ports of a premises PBX (or similar) switching system and the E&M Signaling Arrangement for tie-lines are furnished for grandfathered and registered PBXs in accordance with Part 68 of the FCC Rules and Regulations.

   b. For connections to registered PBX (or similar) equipment, customer must specify the equipment capability of their registered equipment.

/1/ This arrangement is limited to a maximum of ten such stations or groups of stations on a service.
/2/ Obsolete – Applicable to existing installations at existing locations for existing customers.
/3/ Automatic signaling is not available for multipoint channels. Signaling options for Type 420 and 422 local channels are obsolete - existing installations at existing locations for existing customers. /4/
/4/ Material formerly appeared in Part 15, Section 2.

SIGNALING ARRANGEMENTS (cont'd) /1/

A. Signaling Arrangements (cont'd)

3. Rules and Regulations (cont'd)

c. Customer with grandfathered customer-provided PBX (or similar) equipment may, at their option:

- Continue to provide their own off-premises station signaling capability and utilize only the type 428 channel.

- Request that off-premises station signaling capability be provided by the Company. Where this option is selected, the customer must specify his equipment signaling capability.

d. Based on information provided by the customer, the Company will furnish the appropriate signaling arrangement. Where the requested signaling arrangement is furnished and determined to be of a lesser signaling range then required, and the customer requests the Company to furnish another signaling arrangement, such request will be treated as a new request for service and appropriate nonrecurring charges will apply. /1/

/1/ Material formerly appeared in Part 15, Section 2.

SIGNALING ARRANGEMENTS (cont'd) /3/

A. Signaling Arrangements (cont'd)

	USOC	Monthly Rate	Service Charge
4. Signaling Options per point of termination limited to two-point service only for the capability to accommodate signaling on private line service utilizing Type 400 Local Channesl indicated below			
a. Interexchange			
E & M Type Signaling			
Type 423[/2/]	SLM23	$24.70	$80.50
Type 424	SLM24	13.40	80.50[/1/]
Type 425[/2/]	SLM25	29.50	80.50
Loop Signaling, capable of operation over loops with resistance of 900 ohms or more[/2/]			
Type 423	SLL23	9.40	80.50
Loop Signaling, capable of operation over loops with resistance of less than 900 ohms[/2/]			
Type 423	SLLC3	11.25	80.50
Loop Signaling Options per Local Channel on Type 428 when associated with station ports of a premises switching system			
Where customer premises equipment is capable of operation over loops with resistance in the range of …			
Type A, 0-199 ohms	SALAS	6.70	80.50[/1/]
Type B, 200-899 ohms	SAUBS	4.09	80.50[/1/]
Type C, 900 ohms or more	SAYCS	1.61	80.50[/1/]

/1/ Service Charge applies only if signaling option is installed subsequent to initial installation of the local channel.
/2/ Obsolete - existing installations at existing locations for existing customers. /3/
/3/ Material formerly appeared in Part 15, Section 2.

SIGNALING ARRANGEMENTS (cont'd) /4/

A. Signaling Arrangements (cont'd)

	Monthly Rate Without Interoffice	With Interoffice	Service Charge
4. (cont'd)			
b. Intraexchange			
E & M Type Signaling			
Type 420/3/	$16.10 SLMW0		$80.50
Type 423/3/	16.10 SLMW3	$19.85 SLM23	80.50
Type 424/2/	7.75 SLMW4	10.20 SLM24	80.50/1/
Type 425/3/	22.00 SLMW5	23.90 SLM25	80.50
Type 428	15.85 SLMW8		
Loop Signaling, where customer premises equipment is capable of operation over loops with resistance of 900 ohms or more/3/			
Type 423	3.55 SLLW3	6.70 SLL23	80.50
Loop Signaling, where customer premises equipment is capable of operation over loops with resistance of less than 900 ohms/3/			
Type 423		8.05 SLLC3	80.50
Loop Signaling Options per Local Channel on Type 428 when associated with station ports of a premises switching system			
Where customer premises equipment is capable of operation over loops with resistance in the range of …			
Type A, 0-199 ohms	7.50 SALAL	9.10 SALAW	80.50/1/
Type B, 200-899 ohms	7.95 SAUBL	7.75 SAUBW	80.50/1/
Type C, 900 ohms or more	3.55 SAYCL	6.70 SAYCW	80.50/1/

/1/ Service Charge applies only if signaling option is installed subsequent to initial installation of the local channel.
/2/ Signaling charges are not applicable for on-premises channels /SLMNC/.
/3/ Obsolete - existing installations at existing locations for existing customers. /4/
/4/ Material formerly appeared in Part 15, Section 2.

CHANNEL CONDITIONING /2/

A. Rates

	USOC	Monthly Rate	Service Charge
1. Type C1			
Per station			
Two-point not arranged for switching	P2W	$6.85	$96.75
Two-point arranged for switching to another two-point channel	P2X	12.35	96.75
Multi-point channel	P3G	13.75	96.75
2. Type C2			
Per station			
Two-point not arranged for switching	P3HC2	27.50	102.00
Two-point arranged for switching	P3J	41.25	102.00
Multi-point channel	PH9	41.25	102.00
3. Type C4			
Per station			
Two-point channel	P4G	48.15	102.00
Three- or four-point channel	6DU	61.90	102.00
4. Type C5			
Per station			
On a two-point channel not arranged for switching	UHD	68.75	102.00
5. Type D1/1/			
Per station			
Two-point channel not arranged for switching	QHA	8.20	96.75

/1/ Available only where facilities and conditions permit.
/2/ Material formerly appeared in Part 15, Section 2. /2/

ALTERNATE USE ARRANGEMENTS /1/

A. Voice Grade Services

1. Channels furnished by the Company in connection with Voice Grade Services may be used on an alternate basis with either Voice Grade Services and Sub-Voice Grade Services. The monthly charge for local channels, interoffice channels and interexchange channels will be the higher of the two uses. Only one type of operation can be used at one time.

   Alternate Use is available on two-point services, on services involving more than two points, alternate use will be permitted where facility conditions permit.

2. Alternate Use Charges

	USOC	Monthly Rate	Service Charge
a. With channels for remote metering supervisory control and miscellaneous signaling purposes			
- Channel termination, per station including switching key	3AM	$1.61	$3.23
- Including connection of customer provided punch-card equipment, per station (includes one switching key)	TYM, TYU, TYK	31.15	0.00
b. For data transmission up to 150 baud per data transmission station connected for alternate use. Includes key to transfer between the telephone termination and data termination	37R, GHH	31.15	0.00

B. Sub-Voice Grade Services

1. The Company will provide half-duplex sub-voice grade service on an alternate use basis with other sub-voice grade services. Only one type of operation can be used at one time. The monthly charge for local channels, interoffice channels and interexchange channels will be the higher of the two uses.

2. Alternate Use Charges

   a. A rate of $1.61 /TYX, TYO, TYW/ and a nonrecurring charge of $3.23 apply for each station equipped for alternate use (includes a switching key).

   b. A rate of $31.15 per month /TYU, TYM, TYK/ applies where the alternate use includes the connection of customer provided punched card equipment per station (includes a switching key).

   c. Special charges will apply for the additional facilities required for alternate use to more than two points. /1/

/1/ Material formerly appeared in Part 15, Section 2.

MEGALINK® DIGITAL SERVICE

Service Availability
Effective June 30, 2021, MegaLink Digital Service 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 this service on or after June 30, 2024.

A. General /3/

MEGALINK Digital Service provides for the simultaneous two-way transmission of synchronous digital signals at speeds of 2.4, 4.8, 9.6, 19.2, 56, or 64 Kbps. The service is available in either two-point or multi-point configurations, with the exception of 64 Kbps service which is available in only two-point configurations. The service is available between:

- Customer-designated premises
- Customer-designated premises and a Company serving office for the purpose of:
  Multiplexing the circuit onto a higher speed circuit,
  Bridging the circuit in a multi-point configuration,
  Connection to a Company Network Reconfiguration Service (NRS)/2/ or Transport Resource Management (TRM) hub/1/

`

B. Definitions

Customer
Denotes any individual, partnership, association, joint-stock company, trust, corporation or government entity or any other entity which subscribes to services offered under this guidebook.

Hub
Denotes a Company-designated serving wire center at which bridging, multiplexing, Network Reconfiguration Service (NRS) or Transport Resource Management (TRM) Service functions are performed./1/

Serving Wire Center
The end office from which the customer designated premises would normally obtain dial tone from the Company for local exchange service.

C. Regulations

The regulations, rates and charges specified herein are in addition to other regulations, rates and charges as specified in this guidebook.

1. Availability of Service

   MEGALINK Digital Service is available where suitable facilities exist. Serving offices capable of providing MEGALINK Digital Service are listed in the National Exchange Carrier Association, Inc. (NECA) Tariff, FCC 4. Availability is not restricted to customers serviced by the wire centers listed in FCC 4, but the service must be routed through a designated office as specified in FCC 4.

/1/ Obsolete – Effective January 10, 2003, Transport Resource Management (TRM) will be completely discontinued and withdrawn.
/2/ Effective October 30, 2018, Network Reconfiguration Service (NRS) will no longer be available for purchase by new or existing customers. See Part 20, Section 15.
/3/ Material formerly appeared in Part 15, Section 3. /3/
® Registered Service Mark of Southwestern Bell Telephone Company, LLC /3/ (C)

MEGALINK® DIGITAL SERVICE (cont'd) /2/

C. Regulations (cont'd)

2. Provision of Service

a. The minimum period for which MEGALINK Digital Service is provided and for which rates and charges are applicable is one month. When a service is discontinued prior to the expiration of the minimum period, charges are applicable for the remaining portion of the minimum period, whether the service is used or not, and will be based on the rates in effect for the service at the time of discontinuance.

b. The provision of MEGALINK Digital Service is subject to the availability and operational limitations of the equipment and associated facilities. In the event suitable facilities are not available, or modifications to existing facilities are required, Special Construction charges may be applicable as set forth in Part 3, Section 14 of the Arkansas intrastate Access Services Guidebook.

c. The Company has the service responsibility up to and including the demarcation point. The demarcation point shall consist of wire or a jack conforming to Subpart F of Part 68 of the Federal Communications Rules and Regulations.

d. The customer shall be responsible for ordering MEGALINK Digital Service and specifying the transmission speed required for operation with customer-provided terminal equipment or communications systems.

e. MEGALINK Digital Service may be used as a derived channel of a MEGALINK 1.5 High Capacity Service through the use of the central office multiplexing optional feature as described later in this Section. It is the customer's responsibility to determine channel assignments for the derived channels of the MEGALINK 1.5 Service. Additional interoffice channel mileage may be required in order to route the MEGALINK Digital Service to a central office multiplexing hub location for termination in the central office multiplexing arrangement.

f. MEGALINK Digital Service may be provisioned in conjunction with Network Reconfiguration Service (NRS)/1/, as described later in this Section.

/1/ Effective October 30, 2018, Network Reconfiguration Service (NRS) will no longer be available for purchase by new or existing customers. See Part 20, Section 15. /2/
/2/ Material formerly appeared in Part 15, Section 3.

MEGALINK® DIGITAL SERVICE (cont'd) /2/

C. Regulations (cont'd)

3. Allowance for Interruptions

   If MEGALINK Digital Service fails due to Company-provided equipment or facilities and the service is not restored to the customer within 24 hours of the outage report, and the service is made available to the Company by the customer during those 24 hours, the customer will be credited for 1/30th of the monthly rate for the service on the following month's bill. This guarantee is subject to the following conditions:

   a. The credit will be applied on a per circuit basis and will only be applied once during a 24-hour period. Credits are not accumulative.

   b. The credit allowance for an interruption or series of interruptions shall not exceed the applicable monthly rate.

   c. The trouble must be isolated to Company-provided equipment. Trouble determined to be caused by customer-provided equipment or trouble that clears without a positive determination as to cause, will not qualify for the service credit.

   d. The 24-hour clock does not begin until the MEGALINK Digital Service is made available to the Company for repair.

   e. When MEGALINK Digital Service is used with NRS or TRM the service credit applies only to the MEGALINK Digital Service portion of the service, and will not apply to NRS or TRM./1/

4. Expedited Order Charge

   MEGALINK Digital Service can be Expedited for an additional Order Charge:

   If a customer desires that service be provided on a due date less than the standard interval, which has been established for the order or the provision of the Service, the customer may request that service be provided on an expedited basis.

   The provisioning of the expedited request is based upon available facilities and is limited to twelve (12) two-point or six (6) multi-point DS0 circuits at the same location. Expedited order requests do not apply to services that are jointly provided by the Company and an Independent Telephone Company.

   If the Company determines that service can be provided on the requested expedited date and spare facilities are available, the following charges will apply:

   MEGALINK Digital Service
   USOC: EODDO
   Expedite Order Charge: $ 650.00

/1/ Obsolete – Effective January 10, 2003, Transport Resource Management (TRM) will be completely discontinued and withdrawn. /2/
/2/ Material formerly appeared in Part 15, Section 3.

MEGALINK® DIGITAL SERVICE (cont'd) /1/

D. Service Description

Local Distribution Channel
A Local Distribution Channel provides for a two-point transmission path between a customer designated premises and a Company serving wire center for that premises or between a customer designated premises and a Company hub. Local distribution channels suitable for synchronous data rates of 2.4, 4.8, 9.6, 19.2, 56 and 64 kbps, respectively, are provided.

Rates and charges apply per termination on a customer designated premises.

Interoffice Channel
An Interoffice Channel provides for the transmission facilities between the Company serving wire centers associated with two customer designated premises, between a Company serving wire center associated with a customer designated premises and a Company hub or between two Company hubs.

The mileage measurement is developed utilizing the V&H coordinate method as set forth in the National Exchange Carrier Association, Inc. (NECA) Wire Center Information Tariff, FCC 4.

A fixed and per mile rate is applied per Interoffice Channel.

Nonrecurring Charge
A nonrecurring charge applies per Local Distribution Channel installed or moved as provided for in paragraph E. *Rates and Charges*.

Bridging
Bridging is required to provide for MEGALINK Digital Service between three or more Local Distribution Channels on the same and/or different premises.

This offering may consist of MEGALINK Digital Service between three or more channels at speeds of 2.4, 4.8, 9.6**,** 19.2 and 56 kbps. Bridging will be provided at a Company hub as designated in the National Exchange Carrier Association, Inc. (NECA) Wire Center Information Tariff, FCC 4.

The number of two-point channels that may be specified for a given service may be limited by operating and transmission factors.

The rate for Bridging is set forth in paragraph E. *Rates and Charges*. /1/

/1/ Material formerly appeared in Part 15, Section 3.

MEGALINK® DIGITAL SERVICE (cont'd)

E. Rates and Charges

Local Distribution Channel[/1/]

- Per channel terminated on a customer's premises.

For Transmission Speed of:	Monthly Rate		Nonrecurring Charge	USOC
2.4 kbps	$13,707.00	(I)	$500.00	SYN24
4.8 kbps	13,707.00		500.00	SYN48
9.6 kbps	13,707.00		500.00	SYN96
19.2 kbps	19,691.00		500.00	SYN19
56.0 kbps	19,691.00		500.00	SYN56
64.0 kbps	19,691.00	(I)	500.00	SYN64

Interoffice Channel

- A fixed and per mile rate applies between Company serving wire centers associated with two customer designated premises, between a Company serving wire center and a Company hub or between two Company hubs.

For Transmission Speed of:	Monthly Fixed Charge	Rate Per Mile	USOC	
2.4 kbps	$6,917.00	$175.00	1LNQQ	(I)
4.8 kbps	6,917.00	175.00	1LNRQ	
9.6 kbps	6,917.00	175.00	1LNSQ	
19.2 kbps	6,917.00	315.00	1LNJQ	
56.0 kbps	6,917.00	315.00	1LNTQ	
64.0 kbps	6,917.00	315.00	1LN8Q	(I)

Bridging

A bridging rate applies per channel, for transmission speeds of 2.4, 4.8, 9.6, 19.2 and 56 kbps, when three or more channels are connected at a Company hub. All channels connected must operate at the same transmission speed.

Monthly Rate	USOC
$117.00	6BN

/1/ When a service terminates in a channel port of an Integrated Pathway Service, a Local Distribution Channel charge will not apply for that location. All other appropriate charges will apply.
/2/ Material formerly appeared in Part 15, Section 3.

MEGALINK® DIGITAL SERVICE (cont'd) /2/

E. Rates and Charges (cont'd)

Term Pricing Plan/1/

1. MEGALINK Digital Service Term Pricing Plan (TPP) provides the customer with rate stabilization and discounted rates. TPP provides for two or three year rate stabilization. Decreases in monthly recurring rates will be passed on to customers who participate in a TPP. The Company will notify customers participating in a TPP when monthly rates are decreased.

   TPP recurring rates will not be subject to rate increases during the contracted period.

2. The customer may choose to terminate an existing TPP before the end of the two or three year period and negotiate a new two or three year TPP as follows:

   During a customer's TPP term, conversion may be made to a new TPP term of the same or different length or to a higher speed service, if the expiration date for the new service or TPP term is beyond the end of the original TPP term. The new TPP term becomes effective upon execution. No credit for months under the previous TPP may be transferred to the new TPP. The customer incurs no liability for the remaining months on the original TPP, since the change is not considered a termination of service. The prices applicable for the new term are those currently in effect for new customers.

   During a TPP term a customer may move one Local Distribution Channel (LDC) of a MEGALINK Digital Service to another location in the same LATA and keep the TPP in force, provided no lapse in service occurs. Moves to a different serving office, however, may result in a change in the monthly charges. The customer must have met the minimum in-service period at the old location and be liable for a new minimum in-service period at the new location. Nonrecurring Charges, as appropriate, for the physical move will apply.

3. At the end of a TPP term, the customer may elect a new TPP term with the prices in effect at that time. If the customer elects not to renew the TPP, or does not notify the Company of the customer's intent to establish a new TPP, the service will automatically be billed under the monthly rates in effect at the time the TPP expires.

4. Customers requesting the termination of a TPP prior to the expiration date, excluding TPPs terminated as a result of a renegotiation, will be charged a termination charge. Payment of the termination charge does not release the customer from other previous amounts owed to the Company.

   The termination charge for all service terms will be calculated as follows:

   For service terms that become effective on or after October 1, 2004:

   - All unpaid Special Construction or Nonrecurring Charges (excluding any waived charges); plus
   - Fifty percent (50%) of all recurring charges for the remaining months of the customer's term.

/1/ Effective December 1, 2006, Term Pricing Plans (TPP) for Megalink Digital Service are grandfathered. Existing customers may remain on their current plan until the existing term expires. Upon expiration, customers will be charged the current monthly rates. /2/

/2/ Material formerly appeared in Part 15, Section 3.

MEGALINK® DIGITAL SERVICE (cont'd) /3/

E. Rates and Charges (cont'd)

Term Pricing Plan/1/ (cont'd)

4. (cont'd)

   For service terms in effect prior to October 1, 2004:

   The termination charge shall be the lesser of:

   a. The difference between the rates and charges for the completed months of the TPP at the time of termination and the rates and charges for the next lower TPP/2/ actually completed plus interest charges based on approved cost of money in effect at the time of termination; or

   b. The monthly payments remaining on the TPP

      For example, a customer completes 27 months of a 36 month (3 year) TPP. The first termination calculation will be the difference between 27 months of rates and charges at the 3 year TPP and 27 months of rates and charges at the 2 year TPP (which is the next lower TPP actually completed) plus interest at the approved cost of money rate in effect at the time of termination. The second termination calculation will be the sum of the 9 remaining monthly payments of the 3 year TPP. The termination charge is the lesser of the two calculations.

5. Customers currently subscribing to MEGALINK Digital Service on a month-to-month basis may convert their existing service to either a two or three year TPP. Nonrecurring charges will be waived at the time of conversion.

6. Customer Specific Pricing (CSP)

   Customer Specific Pricing is available to customers who subscribe to a 12-month or greater service contract. Each contract may contain rates and charges, and terms and conditions specific to that customer's needs. The rates and charges established will apply for the duration of the contract period. All MEGALINK Digital services covered by the contract must be in-service within 3 months of the order date. An existing customer may elect to transfer their existing MEGALINK Digital service(s) to a CSP contract established upon ordering a new MEGALINK Digital service for a term equal to or greater than 12 months. Such a transfer will not incur termination liability, however, the CSP contract must be for a term of equal or greater duration to the number of months remaining on the original TPP.

/1/ Effective December 1, 2006, Term Pricing Plans (TPP) for Megalink Digital Service are grandfathered. Existing customers may remain on their current plan until the existing term expires. Upon expiration, customers will be charged the current monthly rates.
/2/ If the service is terminated within the first 12 month, the calculation is based on month-to-month rates and charges. /3/
/3/ Material formerly appeared in Part 15, Section 3.

MEGALINK® DIGITAL SERVICE (cont'd) /2/

E. Rates and Charges (cont'd)

Term Pricing Plan/1/ (cont'd)

7. Local Distribution Channel

   - Per termination of a Local Distribution Channel on a customer premises

For Transmission Speed of	Monthly Rates 2 Years	3 Years	Nonrecurring Charge	USOC
2.4 kbps	$72.00	$67.00	$350.00	SYN24
4.8 kbps	72.00	67.00	350.00	SYN48
9.6 kbps	72.00	67.00	350.00	SYN96
19.2 kbps	72.00	67.00	350.00	SYN19
56.0 kbps	76.00	72.00	350.00	SYN56
64.0 kbps	76.00	72.00	350.00	SYN64

8. Interoffice Channel

   - A fixed and per mile rate applies between Company serving wire centers associated with two customer designated premises, between a Company serving wire center and a Company hub or between two Company hubs.

   - For transmission speeds of 2.4, 4.8, 9.6, 19.2, 56 and 64 kbps (USOCs: 1LNQQ, 1LNRQ, 1LNSQ, 1LNJQ, 1LNTQ and 1LN8Q)

	Monthly Rates Fixed	Per Mile
2 Years	$25.00	$1.20
3 Years	25.00	1.00

9. Bridging

	Monthly Rates 2 Years	3 Years	USOC
	$14.00	$12.00	6BN

/1/ Effective December 1, 2006, Term Pricing Plans (TPP) for Megalink Digital Service are grandfathered. Existing customers may remain on their current plan until the existing term expires. Upon expiration, customers will be charged the current monthly rates. /2/

/2/ Material formerly appeared in Part 15, Section 3.