CHANNELS

A. Description of Services

1. Customer-owned Telephotograph and Facsimile Equipment/1/

   a. Regulations

      Customer-owned telephotograph or facsimile equipment for the transmission and reception of pictures and similar material may be used in connection with Private Line Voice Grade Service under the conditions set forth below:

      1. No direct physical connection of such transmitting or receiving equipment shall be made to the service components furnished by the Company except where protective connection equipment is provided by the Company, for this purpose.

      2. Regulations set forth in Part 15, Section 1, insofar as applicable, apply to Private Line Voice Grade Service when used for telephotograph or facsimile transmission.

      3. Private Line Telephone Service is not represented as adapted to the telephotographic or facsimile transmission of pictures and similar material. The use of such service by the customer for such trans-mission is permitted only on the condition that the Company shall not be responsible to the customer for damages arising out of mistakes, omissions, interruptions, delays, or errors or defects in transmission, except those caused by its failure to maintain and operate such service components in a manner proper for telephone service. The liability of the Company for damages caused by its failure to furnish service components suitable for ordinary telephone service or its failure to maintain and operate such service components in a manner proper for telephone service is as set forth in Part 15, Section 1.

   b. Rates

      Local channels, interoffice channels, interoffice channel terminals, interexchange channel and interexchange channel terminal charges are as specified in 'Voice Grade Service – Series 300 and 400' found in Part 15, Section 2, for Series 400.

/1/ This service was grandfathered prior to January 1, 1984. Obsolete - applicable to existing installations at existing locations for existing customers.

CHANNELS (cont'd)

A. Description of Services (cont'd)

2. DATAPHONE Select-a-Station Service withdrawn on December 31, 2014. (C) (D)

(D)

CHANNELS (cont'd)

(D)

CHANNELS (cont'd)

(D)

CHANNELS (cont'd)

(D)

CHANNELS (cont'd)

A. Description of Services (cont'd)

3. Special Bridging Service

a. Split Band Bridging Arrangement/1/

1. Description of Service

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

Certain terms used in this Guidebook in connection with Special Bridging Service are defined as follows:

Master Station - In connection with Special Bridging Service, the one service point of a multipoint network located on a customer's premises, which communicates with each remote service point.

Remote Station - In connection with Special Bridging Service, one of the many service points on a multipoint network which is connected to the master service point by a bridging arrangement.

Access Line - In connection with Special Bridging Service, that dedicated channel or channels connecting the master service point, remote service point or interconnecting service point to a special bridge.

Interconnecting Station - In connection with Special Bridging Service, one of the many service points on a multipoint network which is connected to a special bridge and is provided for connecting two special bridges together through customer-owned and maintained equipment located at a remote service point.

2. Application

Regulations applicable to Split Band Bridging Arrangements, except as otherwise specified below, are in addition to the regulations contained in other sections of this Guidebook.

3. Regulations

a. Split Band Bridging Arrangements are provided on voice-grade service with a transmission rate normally suitable for 75 baud, but can be utilized with equipment operating at rates up to a maximum of 400 baud.

b. A maximum of three (3) serving offices, each equipped with a Split Band Bridge, is permitted on a multipoint network.

/1/ This service was grandfathered on January 22, 2005. Obsolete – applicable to existing service installations at existing locations for existing customers. The service will be completely withdrawn on December 31, 2005.

CHANNELS (cont'd)

A. Description of Services (cont'd)

3. Special Bridging Service (cont'd)

a. Split Band Bridging Arrangement (cont'd)

3. Regulations (cont'd)

c. A maximum of one hundred forty four (144) remote stations is permitted on a multipoint network.

d. Remote stations connected to a Split Band Bridge shall be in the same serving office area in which the Split Band Bridge is located, except as provided for in paragraph e., following.

e. Remote stations may be connected to a Split Band Bridge located in a contiguous serving office area of the same exchange. In this event, the remote stations will be connected to the Split Band Bridge by channels equivalent to Type 101 at rates provided in Paragraph A.3.b.4 (Access Lines), following.

f. Voice grade interoffice /1LMFS/ and/or intraLATA interexchange channels /1LHU4/ and channel terminals /PMNCL, P1NSS, PMNSS/ equivalent to Type 420 are required when appropriate between Split Band Bridges and between the Master Station serving office and the Split Band Bridge.

g. A voice grade bridging charge /BQ7/ applies per Split Band Bridge and Master Station, when more than one Split Band Bridge is provided.

h. Transmission parameters and specifications as specified in Part 15, Section 2 'Voice Grade Service – Series 300 and 400' paragraph c. are not guaranteed for this service.

i. Additional points of termination are not provided with Special Bridging Service.

CHANNELS (cont'd)

A. Description of Services (cont'd)

3. Special Bridging Service (cont'd)

a. Split Band Bridging Arrangement (cont'd)

4. Rates

Description /Billing Code/		Monthly Rate	Service Charge
Special bridge and common equipment[/1/], for …			
Maximum of 48 remote stations	/BMC48/	$47.80	None
Maximum of 95 remote stations	/BMC95/	76.20	None
Access Lines			
Master Station	/1LM4Y/	Equivalent to Type 420	
Remote Station			
Local Channel, per remote station	/1LM1Y/	Equivalent to Type 101	
Interoffice Channel, per V-H mile or fraction thereof, per channel	/1LM1S/	Equivalent to Type 101	
Interoffice Channel Terminal, per terminal (two required per interoffice channel)	/OXN1L/	Equivalent to Type 101	
Remote Station Connection			
Per Remote Station	/BMD/	5.90	None

/1/ Customer must specify, transmit and receive frequency of Master Station.

CHANNELS (cont'd)

A. Description of Services (cont'd)

3. Special Bridging Service (cont'd)

b. Passive Bridging Arrangement

1. Description of Service

This service provides for a network of up to ten passive two-wire ten-port bridges. Each bridge is capable of connecting a combination of remote stations, interoffice channels or interbridge connections totaling nine to one master station, interconnect station, interoffice channel or interbridge connection. This service is intended for application in multi-point voice frequency, data or tone signaling networks.

2. Application

Regulations applicable to Passive Bridging Arrangements, except as otherwise specified below, are in addition to the regulations contained in other sections of this Guidebook.

3. Regulations

a. Passive Bridging Arrangements are provided on voice grade service with a transmission rate normally suitable for 75 baud, but can be utilized with equipment operating at rates up to a maximum of 400 baud.

b. A maximum of ten (10) serving offices, each equipped with a Passive Bridge, is permitted on a multi-point network.

c. A maximum of 90 remote stations is permitted on a multi-point network.

d. Remote stations connected to a Passive Bridge are limited to the same serving office area in which the Passive Bridge is located.

e. One Master or Interconnecting Station or an interoffice voice-grade channel is required for each Passive Bridge except as provided for in paragraph f., following.

(1) When an interoffice channel is used to connect Passive Bridges, voice grade interoffice and/or intraLATA interexchange channels and channel terminals having rates equivalent to Type 423 will apply.

(2) When an interoffice channel is used to connect Passive Bridges, mileage will be determined in the order that the Passive Bridges are connected.

f. When more than one passive bridge is provided on a multipoint service in the same serving office, an interbridge connection charge applies to each subsequent bridge provided. This arrangement cannot be provided if two-way transmission is required.

CHANNELS (cont'd)

A. Description of Services (cont'd)

3. Special Bridging Service (cont'd)

b. Passive Bridging Arrangement/1/ (cont'd)

3. Regulations (cont'd)

g. All equipment located at a remote station required for connecting a Remote Station access line to an Interconnecting Station access line is to be provided by the customer.

h. Voice-grade interoffice /1LMFS/ and/or intraLATA interexchange /1LHU4/ channels and channel terminals /PMNFL, P1NSS, PMNSS/ equivalent to Type 423 are required when appropriate between the Master Station serving office and the Passive Bridge and between the Interconnecting Station serving office and the Passive Bridge it is connected to.

i. Service can be provided under two circuit configurations as follows:

(1) Data collective system provides one-way transmission from Remote Stations to the Master Station and is designed to provide an end-to-end loss of 16 dB relative to 1000 Hz.

(2) Data polling system provides two-way transmission between the Master or Interconnect Station and Remote Stations and is designed to provide an end-to-end loss of 38 dB relative to 1000 Hz.

j. Transmission Parameters and Specifications as specified in Part 15, Section 2 'Voice Grade Service – Series 300 and 400' paragraph c. are not guaranteed for this service.

k. Additional points of termination are not provided with Special Bridging Service.

CHANNELS (cont'd)

A. Description of Services (cont'd)

3. Special Bridging Service (cont'd)

b. Passive Bridging Arrangement (cont'd)

4. Rates

Description /Billing Code/		Monthly Rate	Service Charge
Access Lines			
Master Station	/1LM3Y/	Equivalent to Type 423	
Remote Station			
Local Channel, per remote station	/1LM1Y/	Equivalent to Type 101	
Interconnecting Station	/1LM2Y/	Equivalent to Type 423	

MEGALINK II® - PREMIUM DIGITAL SERVICE/1/

A. Undertaking of the Company

1. Scope

   This section contains the general regulations and definitions governing MEGALINK II - Premium Digital Service furnished by the Company.

   MEGALINK II - Premium Digital Service is the furnishing of Company service components for communication between specified locations all within Local Access and Transport Areas (LATA's) of the State of Missouri 24 hours daily, seven days per week. Service components may be those of the Company only or those of the Company and other telephone companies.

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

2. Limitations

   a. The use and restoration of service shall be in accordance with the Federal Communications Commission's Rules and Regulations which specifies the priority system for such activities.

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

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

/1/ This service was grandfathered on September 18, 1999.
® Registered Service Mark of Southwestern Bell Telephone Company

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. No other liability shall in any case attach to the Company in consideration of such interruptions.

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 service components;

2. Claims for infringement of patents arising from combining with, or using in connection with, service components 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 service components provided by the Company.

c. The Company does not guarantee nor make any warranty with respect to service components 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 service components so provided.

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

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 service components or the attachment of the 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.

e. The Company shall in no way be liable for any harm or any damages arising in connection with any failure to properly ground or bond the service, the premises, any structure in which the service is to be provided or used, or any service components, equipment, or associated wiring.

MEGALINK II® - PREMIUM DIGITAL SERVICE (cont'd)

A. Undertaking of the Company (cont'd)

4. Provision of Service Components

a. The Company will provide all service components necessary for MEGALINK II - Premium Digital Service up to the demarcation point of the channel. The customer will be responsible for providing his own terminal equipment, customer-provided derivation equipment or communications system for use with such service as specified in this Guidebook.

b. MEGALINK II - Premium Digital Service furnished by the Company will be provided at the rates contained in this Guidebook where service components and operating conditions permit. Where service components 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 the 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 requests, not do they contemplate work once begun being interrupted by the customer.

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 employees' 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 Services 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 requires the modification of standard service components not otherwise provided in this offering, 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.

f. The network interface shall be located in a manner consistent with federal and state regulatory requirements, as set forth in the definition of Demarcation Point found under 'Definitions' found in Part 15, Section 1.

MEGALINK II® - 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 percent error-free seconds up to the demarcation point of the channel for operation at all transmission speeds offered in this Guidebook. When MEGALINK II - Premium Digital Service is operating at an error performance level that is unsatisfactory to the customer, 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.c. All such credit allowance 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 - Premium Digital Service may be used for the purposes specified in the Authorized Use paragraph following.

1. Authorized Use

a. MEGALINK II - Premium Digital Service may be used for transmission of communications to or from the customer's service points and relating to the customer's business.

b. MEGALINK II - Premium Digital Service may be used for transmission of communications relating directly to the business of the subsidiary corporations over which the customer exercises control through the ownership of more than 50 percent of the voting stock.

2. Unlawful Purposes

The service is furnished subject to the condition that it will not be used for any unlawful purpose. Service will be discontinued forthwith if any law enforcement agency, acting within its apparent jurisdiction, advises in writing that such service or channels are being used in violation of law. The Company will refuse to furnish service when it has reasonable grounds to believe that such service will be used in violation of the law.

3. Resale of Use to Others

MEGALINK II - Premium Digital Service shall not be used for any purpose for which payment or other consideration, direct or indirect, shall be received by the customer. 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 the Federal Communications Commission's Rules and Regulations.

MEGALINK II® - PREMIUM DIGITAL SERVICE (cont'd)

B. Use (cont'd)

4. Shared Use

   a. A user must have a service point on the service, and the service point 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 service point on the line connected to such equipment in accordance with Paragraph E.2, following.

   b. 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.

   c. The charges for MEGALINK II - Premium Digital Service shall be determined as provided in this Guidebook, and all charges for the service will be billed to the customer. The charges allocated by the customer for MEGALINK II - Premium Digital Service shall not exceed the total charge billed to the customer by the Company.

MEGALINK II® - PREMIUM DIGITAL SERVICE (cont'd)

C. Obligations of the Customer

1. Customer Responsibilities

   The customer shall be responsible for:

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

   b. Reimbursing the Company for an loss through theft of the service components on the customer's premises.

   c. The provision, installation and maintenance of sealed conduit with explosive-proof fittings between service components furnished by the Company in explosive atmospheres and points outside the hazardous area where connection may be made with regular service components of the Company and may be required to install and maintain Company service components 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.

   d. Obtaining permission for Company agents or employees to enter the premises of the customer at any reasonable hour for the purpose of installing, inspecting, repairing or, upon termination of the service, removing the service components of the Company.

   e. Service components on the customer's premises shall be and remain the property of the Company.

   f. Furnishing and maintaining poles and/or underground service components on private property. The Company will not provide on-premises service components for the provision of MEGALINK II - Premium Digital Service.

   g. Grounding and/or bonding the premises and any structure in which service is to be provided or used, as well as any equipment and associated wiring.

2. Rearrangements and Repairs

   A customer may not rearrange, disconnect, remove or attempt to repair or permit others to rearrange, disconnect, remove or attempt to repair any service components or wiring on the Company side of the Demarcation Point, except upon the written consent of the Company.

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 service charges if the service is assumed exactly as provided to the previous customer.

MEGALINK II® - PREMIUM DIGITAL SERVICE (cont'd)

D. Payment Arrangements and Credit Allowances

1. Payment of Charges and Deposits

   a. Advance Payments

      Applicants for service who have no account with the Company or whose financial responsibility is not a matter of general knowledge, may be required to make an advance payment at the time an application for service is placed with the Company, equal to the service charges, if applicable, and at least one month's charges for the service provided. The amount of the advance payment is credited to the customer's account as applying to any indebtedness of the customer for the service furnished.

   b. Payment for Service

      The customer is responsible for payment of all charges as specified in this Guidebook for services furnished the customer. Service charges are payable upon request.

   c. Deposits

      The Company may require an applicant or a present customer to post a deposit in accordance with the provisions of the Rules and Regulations Applying to all Customers in Part 2 (General Terms and Conditions) of the Guidebook.

2. Cancellation for Cause

   The Company shall be authorized to discontinue service upon notice from any official charged with the enforcement of the law stating that such service is being used as an instrumentality to violate the law.

3. 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 service components 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 30 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 service components, access lines or channels, any revision in charges necessitated thereby shall commence on the same day that the change or rearrangement is completed.

MEGALINK II® - PREMIUM DIGITAL SERVICE (cont'd)

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

3. Minimum and Fractional Rates and Charges (cont'd)

   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.

4. Special Construction

   a. Rates and charges for special construction will be provided as set forth in Section 14 of the Access Services Tariff.

   b. Special Construction is that construction undertaken:

      1. Where service components are not presently available, and there is no other requirement for the service components so constructed.

      2. Of a type other that 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's needs.

      5. On a temporary basis until permanent service components are available.

      6. Involving abnormal costs.

      7. In advance of the normal construction on an expedited basis.

   c. A request for charges for special construction will be subject to a special Quotation Charge for the Direct administrative and engineering costs associated with the preparation of that particular quotation. The amount of such charges will be credited to the account of the customer when an order for that particular special construction is received within 90 days of the quotation. The customer will authorize, through a designated representative, the request for a quotation before the Company undertakes any work involved in developing such quotations.

MEGALINK II® - PREMIUM DIGITAL SERVICE (cont'd)

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

5. Change in Service Arrangement

   The service charge for the applicable operating speed applies when the customer requests a change in service arrangement that results in a change in operation of the service components provided by the Company.

6. Suspension of Service

   Upon request of 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 that two weeks 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 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.

8. Allowance for Interruptions

   If the service is interrupted other than by the negligence of willful act of the customer, 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 detected by the Company.

   a. No credit is allowed for interruption of less than 24 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 24 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 30 days.

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

MEGALINK II® - PREMIUM DIGITAL SERVICE (cont'd)

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

9. Cancellation of Application for Service

Where installation of service components, other than those provided by special construction, has been started prior to the cancellation, the charge specified in Paragraphs 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 service ordered by the customer is provided in this Guidebook plus the full amount of any termination charges applicable.

c. Installation of service components for a customer is considered to have started when the Company incurs any expense, including engineering, in connection therewith, or in preparation therefore, which would not otherwise have been incurred, provided the customer has placed an order with the Company for provision of service.

E. Connections

1. General

Customer Premises Equipment and Communications Systems provided by the customer may be connected at the customer's premises to MEGALINK II - Premium Digital Service furnished by the Company where such connections are made in accordance with applicable provisions of this Guidebook (Connections of Terminal Equipment and Communications Systems, Part 2, Section 9 and Part 20, Section 2 of this Guidebook).

2. Responsibility of the Customer

a. The customer shall be responsible for the installation, operation and maintenance of Customer Premises Equipment or Communications System. No combination of Customer Premises Equipment or Communications System shall require change in, or alteration of, the services of the Company, cause electrical hazards to Company personnel, damage to Company service components, malfunction of Company billing equipment or degradation of service to persons other than the user of the subject Customer Premises Equipment of Communications System. Upon notice from the Company that Customer Premises Equipment or Communications System is causing such hazard, damage, malfunction or degradation of service, the customer shall make such changes as shall be necessary to remove or prevent such hazard, damage, malfunction or degradation of service.

b. The customer shall be responsible for the payment of a nonrecurring Customer Owned Equipment Trouble Isolation Charge as found in Restoration of Service, Part 3, Section 1 for each repair visit to a premises of the customer or the premises of any other customer where the service difficulty or trouble results from the use of equipment or service components provided by the customer.

MEGALINK II® - PREMIUM DIGITAL SERVICE (cont'd)

E. Connections (cont'd)

2. Responsibility of the Customer (cont'd)

   c. The customer shall be responsible for ordering and specifying the type of MEGALINK II - Premium Digital Service required for operation with Customer Premises Equipment or Communications Systems provided by the customer.

   d. Where a customer elects to connect a customer-provided communications system to MEGALINK II - Premium Digital Service, the customer shall be responsible for:

      1. Compatibility of the connected communications system to MEGALINK II -Premium Digital Service. This includes the replacing of Network Channel Terminating Equipment (NCTE) due to technological changes in the network.

      2. Testing, sectionalization and clearance of trouble conditions or service difficulties on any communications system which is connected to MEGALINK II - Premium Digital Service.

3. Responsibility of the Company

   a. MEGALINK II - Premium Digital Service is not represented as adapted to the use of the Customer Premises Equipment or Communications Systems. Where such Customer Premises Equipment or Communications Systems are used with MEGALINK II - Premium Digital Service, the responsibility of the Company shall be limited to the furnishing of service components suitable for MEGALINK II - Premium Digital Service and to the maintenance and operation of such service components 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 Premises Equipment of Communications System or for the quality of, or defects in, such transmission, or (2) the reception of signals by Customer Premises Equipment or Communications Systems, or (3) damage to Customer Premises Equipment or Communications Systems due to testing.

   b. The Company will, at the customer's request, provide information concerning interface parameters needed to permit Customer Premises Equipment to operate in a manner compatible with MEGALINK II - Premium Digital Service.

   c. The Company shall not be responsible for modification, alteration or replacement of Customer Premises Equipment or Communications Systems rendered inoperative or obsolete by changes in service components, operations or procedures of the Company used in providing MEGALINK II - Premium Digital Service.

MEGALINK II® - PREMIUM DIGITAL SERVICE (cont'd)

E. Connections (cont'd)

4. Violation of Regulations

When any Customer Premises Equipment or Communications System is used with MEGALINK II - 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 of the violation. The customer shall take such steps as are necessary to discontinue such use of the Customer Premises Equipment or Communications System or correct the violation and shall confirm in writing to the Company within ten 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.

5. Connections of Customer Premises Equipment and Communications Systems

a. 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 - Premium Digital Service as ordered and specified by the customer up to the Demarcation Point.

b. Unless a specific waiver has been granted by the Federal Communications Commission, or except as otherwise provided in C., 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. For simple wiring where there is no Company provided standard jack at the Demarcation Point, customers may make connections by direct attachment to Company-installed wiring at points on the customer's side up to and including at the Demarcation Point. In the case of registered communications systems utilizing complex wiring, a method of connection, jacks, terminal strips, etc., will be provided by the Company.

c. The requirement for the use of standard jacks as described in B., preceding, is waived for registered equipment which is located in hazardous or inaccessible locations.

MEGALINK II® - PREMIUM DIGITAL SERVICE (cont'd)

E. Connections (cont'd)

6. Accessories

   Accessories provided by customers may be used with MEGALINK II - Premium Digital Service provided that such accessories comply with the provisions of Paragraph E.2., preceding.

7. Channel Derivation Devices

   a. Customer-provided channel derivation devices that are used to create additional channels in accordance with Paragraphs 7.b and 7.c, following, may be connected to MEGALINK II - Premium Digital Service subject to Paragraph E.2., preceding.

   b. Subject to the normal transmission characteristics of the MEGALINK II - Premium Digital Service ordered, the customer may create additional channels; digital bit streams, from the service ordered through the use of channel derivation equipment located at the customer's premises.

   c. 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.

   d. Additional channels derived by this equipment may be connected at the customer'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 the service offering descriptions for these other services.

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

   MEGALINK II - Premium Digital Service provided by the Company may be connected to another MEGALINK II - Premium Digital Service or the following other services provided by the Company at the Customer's premises:

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

   MEGALINK II - Premium Digital Service may be connected to a MEGALINK III - Wideband Digital Service/1.544 Mbps provided by the Company at a designated Digital Hub location through the use of certain Additional Service Features available in MEGALINK III, found in Part 15, Section 3.

MEGALINK II® - PREMIUM DIGITAL SERVICE (cont'd)

E. Connections (cont'd)

9. Connection to Interexchange Customer-Provided Communications Systems

   a. Connections of MEGALINK II - Premium Digital Service to Interexchange Customer-Provided Communications Systems can be made at the premises of the customer in accordance with the preceding regulations in this Guidebook. All arrangements concerning the connection to an Interexchange Customer-Provided Communications System to MEGALINK II - Premium Digital Service shall be made by the customer with the Interexchange Customer. The furnishing of MEGALINK II - Premium Digital Service by the Company is not a joint undertaking with the Interexchange Customer.

   b. The Interexchange Customer referenced in this Section are as follows:

Interexchange Customer
None

10. Connection of Network Channel Terminating Equipment

    Effective January 2, 1986, in accordance with the Federal Communication Commission's Memorandum Opinion and Order in CC Docket 81-216, (FCC 85-564), Part 68 of the Federal Communications Commission's Rules and Regulations (Registration Program), was amended to provide for inclusion of Network Channel Terminating Equipment (NCTE) for direct connection to subrate and high capacity digital services. The following dates and regulations were established.

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

    b. Interim Installations - An interim program established by the Federal Communications Commission and the Company allowed for connection of terminal equipment, including premises wiring and protective apparatus (if any) to be installed (including additions to existing systems) up to June 30, 1987, without registration of any terminal equipment involved, provided that these terminal equipments were of a type directly connected to subrate or 1.544 Mbps digital services as of January 2, 1986, or they appeared on the interim program summary for approved equipment. Any equipment connected pursuant to this interim program may require modification at the owners expense in response to Part 68 of the Rules as adopted by the Federal Communications Commission.

    c. Registered Only Equipment - Any terminal equipment connected to subrate or 1.544 Mbps digital services after June 30, 1987 must comply with Part 68 of the Federal Communications Commission's Rules and Regulations (Registration Program). The equipment must also comply with the requirements of Technical Reference Publications 62411 and/or 62310.

MEGALINK II® - PREMIUM DIGITAL SERVICE (cont'd)

F. Method of Applying Rates

1. General

   The method of applying rates for MEGALINK II - Premium Digital Service channels and Additional Service Features is provided in Paragraphs F.2 and F.3, following.

2. Channels

   a. Local Distribution Channel

      A Local Distribution Channel charge for the requested transmission speed shall apply for each termination on the premises of a customer.

   b. Interoffice Channel

      Interoffice Channel mileage charges for the requested transmission speed shall apply for each interoffice channel required to connect Local Distribution Channels served from different Serving Offices or to connect a Serving Office to a Digital or NRS Hub.

      Interoffice Channel mileage charges will also apply for each channel used to connect two Digital Hub locations or to connect a Digital Hub to an NRS Hub location.

      Charges are based on the Vertical and Horizontal (V-H) distance between Serving Offices, the Serving Office and the Digital or NRS Hub, Digital and NRS Hubs, or Digital Hubs within the same LATA for the customer. The appropriate rate schedule for the mileage band corresponding to the V-H distance should be used. Charges will consist of a fixed charge and a per mile charge for each Interoffice Channel. Refer to the National Exchange Carrier Association, Inc.'s Wire Center Information Tariff for the V-H coordinates of the Serving Office and the Digital or NRS Hubs.

   c. Service Charges

      A charge applies per each termination of a Local Distribution Channel installed or moved on the premises of a customer.

MEGALINK II® - PREMIUM DIGITAL SERVICE (cont'd)

F. Method of Applying Rates (cont'd)

2. Channels (cont'd)

d. Exceptions

In those cases where one customer premises involved in an intraLATA interexchange MEGALINK II - Premium Digital Service is located in a different Local Exchange Telephone Company's operating territory than the other premises location(s) associated with the service, the method of applying rates will be as follows:

1. The service components for that portion of the intraLATA interexchange MEGALINK II - Premium Digital Service located wholly within each exchange will be rated pursuant to that Company's Guidebook.

2. The rate for the applicable intraLATA interoffice per mile mileage will be the rate in each Company's Guidebook. Each Company's charge for the per mile mileage element is based on the route mile ownership ratio multiplied by the Local Exchange Telephone Company's rate for the airline (V-H) mileage between the customer's Serving Offices, the Serving Office and a Digital Hub or between Digital Hubs.

3. The rate for the applicable intraLATA interoffice fixed mileage will be one-half (50 percent) of the rate in each Company's guidebook.

3. Additional Service Features

Rate elements for Additional Service Features should be applied when these features are used in conjunction with MEGALINK II channels. See I.2 following for the description and application of these Additional Service Features.

Multistation Arrangement
A multistation arrangement charge applies when three or more channels are interconnected at a Digital Hub on the same service. A charge applies for each Local Distribution channel or Interoffice Channel terminating at the Digital Hub.

Secondary Channel Capability
A charge applies for each Local Distribution Channel connected on the service.

Transfer Arrangement
A charge applies for each arrangement installed.

MEGALINK II® - PREMIUM DIGITAL SERVICE (cont'd)

F. Method of Applying Rates (cont'd)

4. Determination of V-H Mileages

The rate distances for MEGALINK II - Premium Digital Service channels should be determined as follows:

a. Determination of V-H Coordinates

- Interoffice Channels

The rate distance is measured between Serving Offices or the Serving Office and a Digital or NRS Hub or between Digital or NRS Hubs, within the same LATA for the Interoffice Channel. The V-H coordinates for the Serving Offices, Digital Hubs and NRS Hubs are listed in the National Exchange Carrier Association, Inc.'s Wire Center Information Tariff.

b. Calculation of V-H Mileage

1. Determine the difference between the "V" coordinates for the Serving Offices, or the Digital or NRS Hub and the Serving Office within the same LATA. Similarly, determine the difference between the respective "H" coordinates. The difference is always determined by subtracting the smaller coordinate from the larger.

2. Square each difference obtained in Paragraph 1., above.

3. Add the squares of the "V" difference and the "H" difference obtained in Paragraph 2., above.

4. Divide the sum of the squares obtained in Paragraph 3., above, by ten.

5. Obtain the square root of the result obtained in Paragraph 4., above. This distance is the rate distance in V-H miles. Fractional mileage distances should be rounded to the next higher full mile.

Examples:

- Interoffice Channel to a Digital Hub

	V	H
Ladue Digital Hub	6818	3517
Sappington Serving Office	6839	3502
difference	21	15

sum of the squares = 441 + 225 = 666

$$\sqrt{\frac{666}{10}} = 8.16 = 9 \text{ V-H Miles}$$

MEGALINK II® - PREMIUM DIGITAL SERVICE (cont'd)

G. Special Taxes, Fees and Charges

Unless otherwise stated in this Section, all regulations found in "Rules and Regulations Applying To All Customer's Contracts" in Part 2 of this Guidebook shall apply to this service.

H. Services and Rates

1. Service Description

MEGALINK II - 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 within the same LATA. This service is guaranteed to provide an average performance of at least 99.5 percent 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 - Premium Digital Service channels.

The service is furnished for duplex operations on a 24-hours-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 - Premium Digital Service up to and including the Demarcation Point of the channel on the customer's premises. The service guarantee specified in Paragraph A.5 is provided up to and including the Demarcation Point of the channel.

MEGALINK II® - PREMIUM DIGITAL SERVICE (cont'd)

I. Description and Application of Services

MEGALINK II - Premium Digital Service channels provide the transmission paths for digital signals between customer locations within the same LATA. Provision of the service between customer locations or between a customer location and a Digital Hub, may require the application of the Local Distribution Channel and Interoffice Channel rate elements. In cases where customer locations access different Digital Hubs within the same LATA, channels between those Digital Hubs require the application of the Interoffice Channel rate element.

Rate elements for Additional Service Features should be applied when these features are used in conjunction with MEGALINK II - Premium Digital Service Channels. Certain Additional Service Features can only be provided at a Digital Hub location.

1. Channels

Digital Service Channel

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.

Interoffice Channel
This rate element represents a two-point transmission path between Serving offices, a Serving Office and a Digital Hub or between Digital Hubs within the same LATA where MEGALINK II - Premium digital Service is available. Interoffice Channels suitable for synchronous data rates of 2.4, 4.8, 9.6 and 56 kbps, respectively, are provided.

2. Additional Service Features

a. Multistation Arrangement

This arrangement provides the capability to connect multiple MEGALINK II - Premium Digital Service channels at a Digital Hub. A Multistation Arrangement is provided for each channel when three or more channels are connected at a Digital Hub. All channels connected by a Multistation Arrangement must operate at the same transmission speed. This arrangement allows customers to simultaneously transmit communication from a master (control) service point to many other service points or individually receive communications at a master (control) service point from another service point. All such communications are under the control of a customer-specified master (control) service point.

MEGALINK II® - PREMIUM DIGITAL SERVICE (cont'd)

I. Description and Application of Services (cont'd)

2. Additional Service Features (cont'd)

b. 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 multipoint services which utilize nonrepeated Local Distribution Channels. Secondary Channel Capability can only be provided at a Digital Hub for MEGALINK II - Premium Digital Service.

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

c. Transfer Arrangement

An arrangement that affords the customer an additional measure of protection and/or flexibility in their use of a MegaLink Service on a 1XN basis. The arrangement can be utilized to transfer a leg of a MegaLink Service to either a spare or working channel that terminates in either the same or a different customer premises. This arrangement is only available at a Company designated hub. A key Activated or Dial-Up Control Service is required to operate the transfer arrangement. A spare line, if required, is not included as a part of the option.

MEGALINK II® - PREMIUM DIGITAL SERVICE (cont'd)

J. Rates

Digital Service Channels

- Local Distribution Section[/1/]

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

For transmission speed of:	Monthly Rate	Service Charge
2.4 kbps (1L7AJ)	$92.85	$340.00
4.8 kbps (1L7BJ)	94.00	345.00
9.6 kbps (1L7CJ)	92.95	325.00
56 kbps (1L7DJ)	171.35	355.00

- Interoffice Channel

  Per V-H mile between Serving Offices, between Digital or NRS Hubs and a Serving Office, or between a Digital or NRS Hubs within the same LATA for the mileage portion plus the fixed charge.

Mileage Band	For transmission speed of:	Monthly Fixed Charge	Rate Per Mile
0	2.4kbps (1L7A1)	None	None
	4.8kbps (1L7B1)	None	None
	9.6 kbps (1L7C1)	None	None
	56 kbps (1L7D1)	None	None
Over 0 to 4	2.4 kbps (1L7A2)	$62.75	$2.25
	4.8 kbps (1L7B2)	63.65	1.70
	9.6 kbps (1L7C2)	87.55	2.65
	56 kbps (1L7D2)	134.85	8.10
Over 4 to 8	2.4 kbps (1L7A3)	67.00	1.20
	4.8 kbps (1L7B3)	63.65	1.70
	9.6 kbps (1L7C3)	87.75	2.65
	56 kbps (1L7D3)	145.15	5.55

Pursuant to Section 392.510.3 R.S.Mo. 1994

/1/ When service terminates in a channel port of an Access Advantage Plus Service, a Local Distribution Channel charge will not apply for that location. All other appropriate circuit charges specified in this Guidebook will apply to the remainder of the circuit.

MEGALINK II® - PREMIUM DIGITAL SERVICE (cont'd)

J. Rates (cont'd)

Digital Service Channels (cont'd)

- Interoffice Channel (cont'd)

Mileage Band	For transmission speed of:	Monthly Fixed Charge	Monthly Rate Per Mile
Over 8 to 25	2.4kbps (1L7A4)	$70.45	$0.75
	4.8kbps (1L7B4)	68.85	1.05
	9.6 kbps (1L7C4)	91.95	2.10
	56 kbps (1L7D4)	160.65	3.60
Over 25 to 50	2.4 kbps (3LBSE)	73.85	0.60
	56 kbps (3LBLE)	160.65	3.60
Over 50	2.4 kbps (3LBSF)	76.85	0.55
	4.8 kbps (3LBPF)	69.85	1.00
	56 kbps (3LBLF)	161.00	3.60

- Additional Service Features

	USOC	Monthly Rate	Service Charge
Multistation Arrangement (Bridging)			
- Per channel connected at a Digital Hub			
- For all speeds	DDZ	$18.55	None
Secondary Channel Capability			
- Per Local Distribution Channel			
- For all speeds	SCA	12.00	$125.00/1/

Pursuant to Section 392.510.3 R.S.Mo. 1994

/1/ Service charge applies only if Secondary Channel Capability is installed subsequent to initial installation of the Local Distribution Channel.

MEGALINK II® - PREMIUM DIGITAL SERVICE (cont'd)

K. Service Availability

MEGALINK II - Premium Digital Service is available to customers within specific exchanges where the Company determines that Digital Connectivity can be provided. Multistation Arrangements and certain other Additional Service Features require routing the service through a Company designated Digital Hub. Refer to the appropriate National Exchange Carrier Association, Inc. Wire Center Information Tariff, for the locations of these Digital Hubs.

MEGALINK III ® - WIDEBAND DIGITAL SERVICE/1.544 Mbps/1/

A. Description and Application of Services

1. General

   Effective November 5, 1999, this service is grandfathered and limited to existing customers only.

   MEGALINK III - Wideband Digital Service/1.544 Mbps is an 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 Mbps. The channel design objective is to provide an average performance of at least 95 percent error-free seconds of transmission measured over a continuous 24-hour period through the Company provided network interface.

2. Regulations

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

   b. 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 service components between all intermediate offices to have the ability to provide the service.

   c. Provision of Service

      1. MEGALINK III - Wideband Digital Service/1.544 Mbps is available only on an intraLATA basis.

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

      3. Customer requests for MEGALINK III-Wideband Digital Service/1.544 Mbps where suitable service components are not available and the Company constructs the requested service components, when certain conditions exist, is considered special construction. The regulations, rates and charges applicable to Special Construction are found in Part 15, Section 1. Service availability will be negotiated locally.

      4. When the customer requests a service arrangement which requires the installation of special equipment or modification of standard equipment, and for which provision is not otherwise made in this offering, it can be furnished by the Company subject to additional regulations, rates and charges as specified for Special Service Arrangements in Part 2, Section 7.

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

/1/ This service was grandfathered on November 5, 1999.
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MEGALINK III ® - WIDEBAND DIGITAL SERVICE/1.544 Mbps (cont'd)

A. Description and Application of Services (cont'd)

2. Regulations (cont'd)

c. Provision of Service (cont'd)

6. Connection of Terminal Equipment or a Communications System to a MEGALINK III - Wideband Digital Service/1.544 Mbps.

(a) Connection to a MEGALINK III - Wideband Digital Service/ 1.544 Mbps terminal equipment, or a communications system which does not have the capability to transmit signals with encoded analog content via a MEGALINK III - Wideband Digital Service/1.544 Mbps to the telecommunications network or to a Category I or Category III private line circuit as identified in the Federal Communications Commission's Rules and Regulations may be directly connected to the demarcation point of the circuit. All other connections to a MEGALINK III - Wideband Digital Service/1.544 Mbps are also made at a demarcation point and must be made in accordance with the following regulations.

(b) Connection of Terminal Equipment - Terminal Equipment may be connected to a MEGALINK III - Wideband digital Service/1.544 Mbps through, or in combination with, channel derivation equipment. If the connection provides the capability to transmit signals with encoded analog content via the MEGALINK III - Wideband digital Service/1.544 Mbps to the telecommunications network or to a Service/1.544 Mbps to the telecommunications network or to a Category I or Category III private line circuit, as identified in the Federal Communications commission's Rules and Regulations it must be connected in accordance with the registration Program.

In addition, when voice-band data terminal equipment is used with the channel derivation equipment, the voice-band data terminal equipment must comply with the Federal Communications Commission's Rules and Regulations to ensure continued billing integrity.

(c) Registration Program - Effective June 30, 1987, the Federal Communications Commission's Part 68 Rules and Regulations (Registration Program), were amended to require registration of customer provided equipment that directly connected to subrate and 1.544 Mbps digital services after that date. The equipment or system must also comply with the requirements of the Technical Reference Publication 62411.

(d) Grandfathered Equipment - Terminal equipment, including its premises wiring and protective apparatus (if any) and multiline terminating systems that were directly connected to 1.544 Mbps 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.

MEGALINK III ® - WIDEBAND DIGITAL SERVICE/1.544 Mbps (cont'd)

A. Description and Application of Services (cont'd)

2. Regulations (cont'd)

c. Provision of Service (cont'd)

6. (cont'd)

(e) Interim Program - During the pendency of Rulemaking for connection of terminal equipment to digital service, 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 Program may require modification in response to the Federal Communications Commission's Rules and Regulations.

(f) Extraordinary Procedures - The Company may invoke extraordinary procedures to protect a MEGALINK III - Wideband Digital Service/1.544 Mbps. The extraordinary procedures applied will be the same as those for connection of a communications system to a circuit (see Extraordinary Procedures, Part 15, Section 1, Paragraph E.15.d.1.(f)).

(g) The placement of the Demarcation Point shall be located in a manner consistent with federal and state regulatory requirements. This location will be at each customer's premises, unless specified otherwise by the customer or building/land owner and agreed to by the Company.

(h) MegaLink III - Wideband Digital Service/1.544 Mbps may be terminated in a DS1 port of a Company provided Network Reconfiguration Service (NRS) /1/ arrangement at a designated NRS hub location. Additional interoffice channel mileage may be incurred in order to route the MegaLink III service to the hub location. The DS1 port on the NRS arrangement will be considered as a service point on the circuit. Refer to Part 15, Section 3 for additional rules and regulations concerning NRS. (C)

/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. (N) (N)

MEGALINK III ® - WIDEBAND DIGITAL SERVICE/1.544 Mbps (cont'd)

A. Description and Application of Services (cont'd)

2. Regulations (cont'd)

d. 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.

1. Data Rate: 1.544 Mbps +/- 75 bps.

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

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

e. Allowance for Interruptions

1. Credit allowances are determined in accordance with regulations set forth 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.

2. Allowance for Interruptions for MegaLink III Equipped With SecureNet[SM]

MegaLink III service equipped with SecureNet shall be allowed a credit for a single service interruption greater than 2.0 seconds. In no case shall the total amount of credit in a one month bill period exceed 100 percent of the monthly charge for that particular rate element.

To receive a credit for a service interruption after 2.0 seconds, the interruption must occur in that part of the MegaLink III service equipped with SecureNet (e.g., a loop failure on a MegaLink III service would receive credit after a 2.0 second interruption, an interoffice facility failure on the same service would be credited after 30 minutes).

MEGALINK III ® - WIDEBAND DIGITAL SERVICE/1.544 Mbps (cont'd)

A. Description and Application of Services (cont'd)

2. Regulations (cont'd)

e. Allowance for Interruptions (cont'd)

2. Allowance for Interruptions for MegaLink III Equipped With SecureNet[SM] (cont'd)

For the MegaLink III service equipped with SecureNet, the credit for a single service interruption greater than 2.0 seconds will be per the following schedule:

Credit Allowance Schedule

MegaLink III Rate Element	Credit Per Interruption
SecureNet Loop Protection	$47.50
Local Distribution Channel	112.50
Interoffice Channel Mileage	
Fixed	
0	NA
Over 0 to 4	50.00
Over 4 to 8	50.00
Over 8 to 25	40.00
Over 25 to 50	40.00
Over 50	40.00
Per Mile	
0	NA
Over 0 to 4	25.00
Over 4 to 8	30.00
Over 8 to 25	30.00
Over 25 to 50	30.00
Over 50	30.00
Multiplexing	
DS1 to Voice	100.00
DS1 to DS0	300.00
DS0 to Subrate	
- up to 20 2.4 kbps services	73.50
- up to 10 4.8 kbps services	145.60
- up to 5 9.6 kbps services	278.15
Transfer Arrangement	120.75

MEGALINK III ® - WIDEBAND DIGITAL SERVICE/1.544 Mbps (cont'd)

A. Description and Application of Services (cont'd)

3. Rate Configuration

There are four basic rate elements which apply to MEGALINK III - Wideband Digital Service/1.544 Mbps:

- Local Distribution Channel
- Interoffice Channel
- Additional Service Features
- 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 premises.

Interoffice Channel
Interoffice Channel is defined as the component of the service between two Company Serving Offices, between a Serving Office and a Company designated Digital or NRS Hub, or between two Digital or NRS Hub locations. The Serving Offices may be located in the same exchange area, as in a 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 Offices, Serving Office and Digital or NRS Hubs, or between exchanges, measured in whole miles. Fractional miles are rounded to the next whole mile. V-H coordinates for Serving Offices and designated Digital or NRS Hubs can be found in the appropriate National Exchange Carrier Association, Inc.'s Wire Center Information Tariff.

Additional Service Features

Central Office Multiplexing

1.544 Mbps (DS1) to Voice
An arrangement that converts a 1.544 Mbps channel to 24 channels for use with Voice Grade Services. A channel of this DS1 to the Hub can also be used for Digital Data, Metallic Service or WATS Access Lines. (C)

1.544 Mbps (DS1) to 64.0 kbps (DS0)
An arrangement that converts a 1.544 Mbps Channel to 23 DS0 channels (54.0 kbps) utilizing digital time division multiplexing.

64.0 kbps (DS0) to Subrate
An arrangement that converts a 64.0 kbps channel to subspeeds of up to twenty 2.4 kbps, ten 4.8 kbps or five 9.6 kbps channels using digital time division multiplexing.

MEGALINK III ® - WIDEBAND DIGITAL SERVICE/1.544 Mbps (cont'd)

A. Description and Application of Services (cont'd)

3. Rate Configuration (cont'd)

Additional Service Features (cont'd)

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 'Rates and Charges', following.

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 Part 15, Section 2 for this purpose. The control key must be provided by the customer.

SecureNet[SM]

SecureNet is provided as an inherent feature of MegaLink III service. It provides automatic restoration capabilities which prevent service interruption in the event of a single facility break or a single loop electronics failure. SecureNet is available with point-to-point MegaLink III service and is available only where fiber optic facilities are used to provide the MegaLink III service.

The automatic restoration capabilities are provided through the use of intelligent components which are capable of sensing transmission failure in the fiber facilities. The primary and secondary transmission paths are separately routed in geographically and physically separate fiber optic cables up to the point nearest the customer's premises that route redundancy can be achieved. In the event of a transmission failure caused by a single facility break or a single loop electronics failure, the intelligent components will automatically switch the MegaLink III service to the secondary transmission path within 2.0 seconds.

In the event a facility break occurs in that portion of the MegaLink III service for which route redundancy could not be achieved, the Company cannot guarantee automatic restoration of the customer's service within 2.0 seconds, and a credit as set forth in A.2.e.2. preceding will not apply.

SecureNet is available at those serving wire centers where equipment and facilities are available. Special Construction charges may apply when fiber optic facilities are not available or unusual expenditures are involved in making them available to provide this feature.

The SecureNet option available is Loop Protection. This feature provides automatic restoration of the MegaLink III service local distribution channel and physical route redundancy from the nearest point to the customer's premises that route redundancy can be achieved to the customer's serving wire center in the event of a single loop failure.

MEGALINK III ® - WIDEBAND DIGITAL SERVICE/1.544 Mbps (cont'd)

A. Description and Application of Services (cont'd)

3. Rate Configuration (cont'd)

Service Charge

A service charge applies per point of termination installed or moved as provided in 'Rates and Charges', following.

Exceptions

In those cases where one customer premises involved in an intraLATA MEGALINK III - Wideband Digital Service/1.544 Mbps is located in a different Local Exchange Telephone Company's operating territory than the other premises location(s) associated with the service, the method of applying rates will be as follows:

1. The service components for that portion of the intraLATA MEGALINK III - Wideband Digital Service/1.544 Mbps located wholly within each exchange will be rated pursuant to the Company's guidebook.

2. The rate for the applicable intraLATA interoffice per mile mileage will be the rate in each Local Exchange Telephone Company's guidebook. Each Local Exchange Telephone Company's charge for the per mile mileage element is based on the route mile ownership ratio multiplied by the Local Exchange Company's rate for the airline (V-H) mileage between the appropriate service office or digital hub of each Company.

3. The rate for the applicable intraLATA interoffice fixed mileage charge will be one-half (50 percent) of the rate in each Company's guidebook.

MEGALINK III ® - WIDEBAND DIGITAL SERVICE/1.544 Mbps (cont'd)

A. Description and Application of Services (cont'd)

4. Rates and Charges

Local Distribution Channel/1/

Interoffice Channel Mileage
- Rate per V-H mile or fraction thereof, per channel

	USOC	Monthly Rates Fixed	Per Mile
1.544 Mbps/1/			

/1/ See Supplemental Schedule on the following sheet for current effective rates.

MEGALINK III ® - WIDEBAND DIGITAL SERVICE/1.544 Mbps (cont'd)

Supplemental Schedule

A. Description and Application of Services (cont'd)

4. Rates and Charges

	Monthly Rate	Service Charge
Local Distribution Channel		
- Per point of termination /1LDPJ/	$225.00	$685.00
Interoffice Channel Mileage		
- Rate per V-H mile or fraction thereof, per channel		

Pursuant to Section 392.510.3, R.S.Mo. 1994

MEGALINK III ® - WIDEBAND DIGITAL SERVICE/1.544 Mbps (cont'd)

A. Description and Application of Services (cont'd)

4. Rates and Charges (cont'd)

Additional Service Features

	USOC	Monthly Rate	Service Charge
Multiplexing			
DS1 to Voice[/1/]			
- per arrangement	MQ1	$200.00	None
DS1 to DS0			
- per arrangement	QMU	600.00	None
DS0 to Subrate[/2/]			
- per arrangement			
- Up to twenty 2.4 kbps services	QSU24	147.00	None
- Up to ten 4.8 kbps services	QSU48	291.20	None
- Up to five 9.6 kbps services	QSU96	556.30	None
SecureNet			
- Per local distribution channel	P7T	None	None

/1/ A channel of this DS1 to the Hub can be used for a MEGALINK® Digital Service. For rates for analog voice or data channels used in conjunction with this Multiplex arrangement refer to Part 15, Section 2. For rates for MEGALINK Digital Services used in conjunction with this Multiplex arrangement refer to Part 15, Section 3.

/2/ For rates for subrate MEGALINK Digital Services (2.4 kbps, 4.8 kbps, 9.6 kbps, etc.) used in conjunction with this Multiplex arrangement refer to Part 15, Section 3.

MULTI-SERVICE OPTICAL NETWORK RING (MON RING) SERVICE

Effective December 1, 2012, Multi-Service Optical Network (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. Effective December 1, 2016, no Move, Add or Change orders of any type will be accepted.

A. Description and Application of Services

1. General

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. and OC-3/OC-3c port interfaces. Sub-rate multiplexing is offered at the serving wire center only for OC-3/OC-3c./1/

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./1/

GigE/FC/FICON™ Sub-Rate System - provides a multiplexing system which allows customers to put 2 Gigabit Ethernet (GigE) Channels or 2 Fibre Channels or 2 FICON Channels on one port card./1/

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. /1/

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./2/

/1/ Available where facilities and equipment permit.
/2/ Available where facilities and equipment permit beginning November 30, 2005.

™ ESCON and FICON are registered trademarks of the International Business Machines (IBM) Corporation, Armonk, NY 10504.

MULTI-SERVICE OPTICAL NETWORK RING (MON RING) SERVICE (cont'd)

A. Description and Application of Services (cont'd)

1. General (cont'd)

MON Ring Service offers the following port interfaces:

IBM Protocols:/1/

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 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 100km.

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

MULTI-SERVICE OPTICAL NETWORK RING (MON RING) SERVICE (cont'd)

A. Description and Application of Services (cont'd)

1. General (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./1/

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./1/

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./1/

SONET OC-192/OC-192c - provides a fiber-based 9953.28 Mbps synchronous optical full duplex data transmission capability./1/

/1/ 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 (MON RING) SERVICE (cont'd)

A. Description and Application of Services (cont'd)

2. 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.

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

MULTI-SERVICE OPTICAL NETWORK RING (MON RING) SERVICE (cont'd)

A. Description and Application of Services (cont'd)

3. Regulations

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

a. 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.

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

c. 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.

d. 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.

e. 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.

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

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

h. 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.

MULTI-SERVICE OPTICAL NETWORK RING (MON RING) SERVICE (cont'd)

A. Description and Application of Services (cont'd)

3. Regulations (cont'd)

   i. 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 15, Section 1, Paragraph D.4, may apply.

   j. 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.

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

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

   m. 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 customer's designated premises.

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

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

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

   q. Where conditions, equipment, and facilities permit, 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 Channel Sub-Rate System over which these 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.

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

   s. 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.

MULTI-SERVICE OPTICAL NETWORK RING (MON RING) SERVICE (cont'd)

A. Description and Application of Services (cont'd)

4. 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 2 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 Part 15, Section 1, Paragraph D.8 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.

5. Provision of Service

   a. 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.

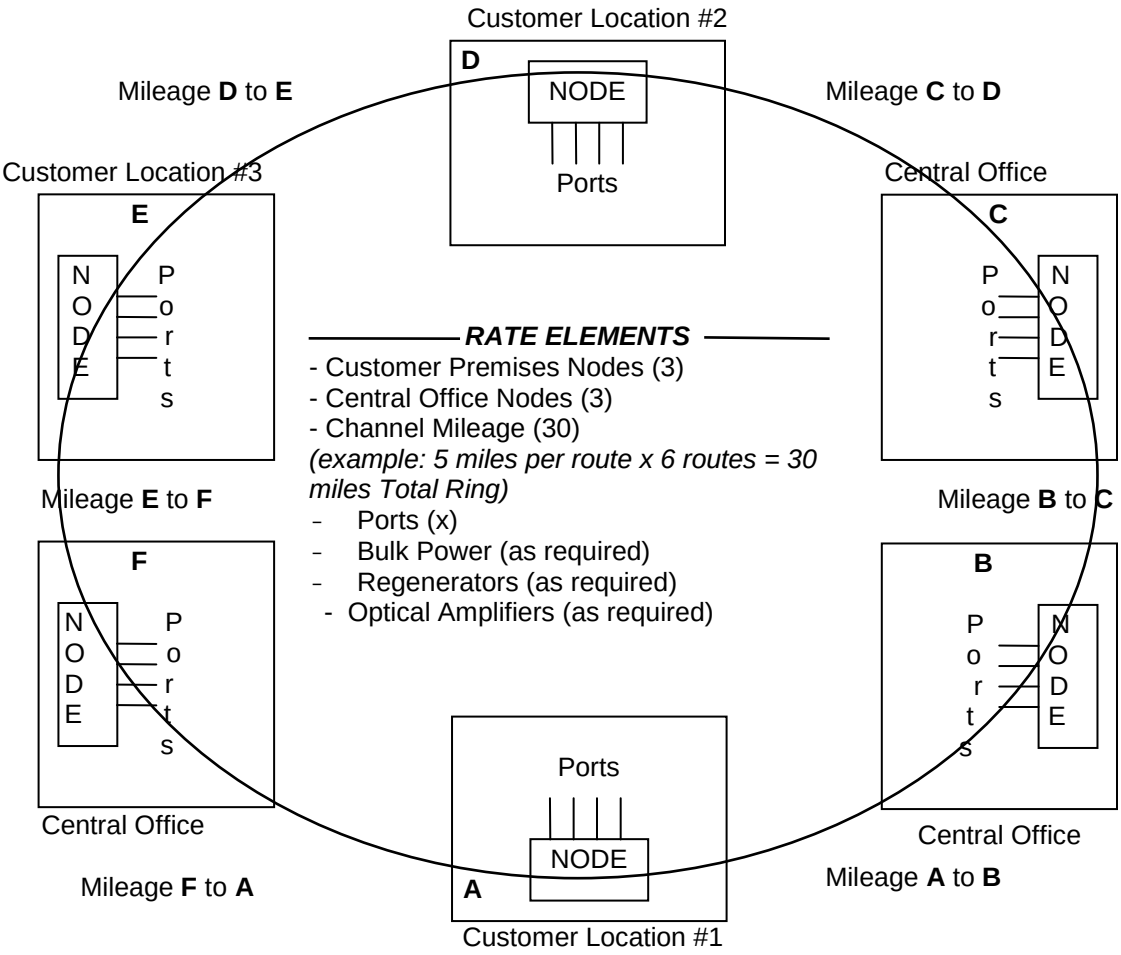
MULTI-SERVICE OPTICAL NETWORK RING (MON RING) SERVICE (cont'd)

A. Description and Application of Services (cont'd)

5. Provision of Service (cont'd)

a. Standard Configurations (cont'd)

Diagram of MON Ring



MULTI-SERVICE OPTICAL NETWORK RING (MON RING) SERVICE (cont'd)

A. Description and Application of Services (cont'd)

5. Provision of Service (cont'd)

b. Route Diversity

MON Ring Service is configured with diversely routed fiber whenever possible. MON Ring Service will be available 99.995% of the time and protected channels will switch within 50 milliseconds (not to exceed 2 seconds). Unprotected channels will be lost in the event of a fiber path failure on which the circuit is assigned. Equipment interfaces towards the customer are not protected.

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.

MULTI-SERVICE OPTICAL NETWORK RING (MON RING) SERVICE (cont'd)

A. Description and Application of Services (cont'd)

6. Technical Specifications

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

Subject	Technical Reference
Ameritech LAN Interconnect Service - Token Ring Interface Codes	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 Docmentation (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:

AT&T at
www.sbc.com/public_affairs/regulatory_documents/tariffs/1,5932,448,00.html?pid=240

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

Telcordia Technologies
8 Corporate Place
Piscataway, New Jersey 08854

MULTI-SERVICE OPTICAL NETWORK RING (MON RING) SERVICE (cont'd)

B. Rate Configuration

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.

   b. Service Rearrangements

      Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements 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.

MULTI-SERVICE OPTICAL NETWORK RING (MON RING) SERVICE (cont'd)

B. Rate Configuration (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:

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

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

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.

MULTI-SERVICE OPTICAL NETWORK RING (MON RING) SERVICE (cont'd)

B. Rate Configuration (cont'd)

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.

MULTI-SERVICE OPTICAL NETWORK RING (MON RING) SERVICE (cont'd)

C. Rates and Charges

Nonrecurring Charges

	USOC	Nonrecurring Charge
Administrative Charge		
- per service order	ORCMX	ICB
Design and Central Office Connection Charge		
- per circuit	NRBCL	ICB
Customer Connection Charge		
Service Establishment		
- per node	NRBBL	ICB
Subsequent Installation		
- per subsequent shelf	NHCNL	ICB

MULTI-SERVICE OPTICAL NETWORK RING (MON RING) SERVICE (cont'd)

C. Rates and Charges

Recurring Rates

	USOC	Monthly Rate
MON Ring Transport System		
Customer Premises Node		
(includes first shelf)	F2ND1	ICB
- per subsequent shelf	F2NDS	ICB
Central Office Node		
(includes first shelf)	F2NC1	ICB
- per subsequent shelf	F2NCS	ICB
Channel Mileage		
- per V&H mile or fraction thereof	1L5XX	ICB
Optical Amplifier (as required)		
- C band (per location)	67QXX	ICB
- L band (per location)/1/	67QSX	ICB
Regenerator (as required)		
- Up to 2.5 Gbps (per shelf)	V8RXX	ICB
- Up to 10 Gbps (per circuit, per each location)	V8R2C	ICB
Bulk Power (as required)		
- per first shelf (shelves 1-4)	CBVDX	ICB
- per subsequent shelf (shelves 5-8)	CBVDS	ICB
MON Ring Channels		
Ports		
- per port/per circuit terminating location		
ETR/CLO		
- unprotected channel	POYKW	ICB
FICON (1.0625 Gbps)		
- unprotected channel	POYMW	ICB
- protected channel	POYMP	ICB
FICON (2.125 Gbps)		
- unprotected channel	POYWW	ICB
- protected channel	POYWP	ICB

/1/ Available where facilities and equipment permit.

MULTI-SERVICE OPTICAL NETWORK RING (MON RING) SERVICE (cont'd)

C. Rates and Charges (cont'd)

Recurring Rates (cont'd)

	USOC	Monthly Rate
MON Ring Channels (cont'd)		
Ports (cont'd)		
- per port/per circuit terminating location		
ISC-1		
- unprotected channel	POYJW	ICB
- protected channel	POYJP	ICB
ISC-3		
- unprotected channel	POY9W	ICB
- protected channel	POY9P	ICB
Fibre Channel (1.0625 Gbps)		
- unprotected channel	POYNW	ICB
- protected channel	POYNP	ICB
Fibre Channel (2.125 Gbps)		
- unprotected channel	POYYW	ICB
- protected channel	POYYP	ICB
Gigabit Ethernet		
- unprotected channel	POYLW	ICB
- protected channel	POYLP	ICB
10 Gigabit Ethernet (WAN PHY)		
- unprotected channel	POYTW	ICB
- protected channel	POYTP	ICB
10 Gigabit Ethernet (LAN PHY)		
- unprotected channel	POYUW	ICB
- protected channel	POYUP	ICB
SONET OC-12/OC-12c		
- unprotected channel	POYFW	ICB
- protected channel	POYEP	ICB
SONET OC-48/OC-48c/1/		
- unprotected channel	POYGW	ICB
- protected channel	POYGP	ICB
SONET OC-192/OC-192c		
- unprotected channel	POYOW	ICB
- protected channel	POYOP	ICB

/1/ Available only where facilities and equipment permit.

MULTI-SERVICE OPTICAL NETWORK RING (MON RING) SERVICE (cont'd)

C. Rates and Charges (cont'd)

Recurring Rates (cont'd)

	USOC	Monthly Rate
MON Ring Channels (cont'd)		
Ports (cont'd)		
- per port/per circuit terminating location		
GigE/FC/FICON Sub-Rate System		
- unprotected channel	POY1W	ICB
- protected channel	POY1P	ICB
GigE Riding Circuit/1/		
- unprotected channel	POY4W	ICB
- protected channel	POY4P	ICB
Fibre Channel (1.065 Gbps) Riding Circuit/1/		
- unprotected channel	POY6W	ICB
- protected channel	POY6P	ICB
FICON (1.065 Gbps) Riding Circuit/1/		
- unprotected channel	POY7W	ICB
- protected channel	POY7P	ICB
ESCON/2/		
- unprotected channel	PWY1W	ICB
- protected channel	PWY1P	ICB
Fast Ethernet/2/		
- unprotected channel	PWY2W	ICB
- protected channel	PWY2P	ICB
DS1 Video/2/		
- unprotected channel	PWY3W	ICB
- protected channel	PWY3P	ICB
DVB-ASI Video/2/		
- unprotected channel	POY8W	ICB
- protected channel	POY8P	ICB
SONET OC-3/OC-3c/2/		
- unprotected channel	PWY4W	ICB
- protected channel	PWY4P	ICB

/1/ Available only when ordered with GigE/FC/FICON Sub-Rate System.
/2/ Available only where facilities and equipment permit beginning November 30, 2005.

MULTI-SERVICE OPTICAL NETWORK RING (MON RING) SERVICE (cont'd)

C. Rates and Charges (cont'd)

Recurring Rates (cont'd)

	USOC	Monthly Rate
MON Ring Channels (cont'd)		
Ports (cont'd)		
- per port/per circuit terminating location		
OC-48 Sub-Rate System/1/		
- unprotected channel	POYRW	ICB
- protected channel	POYRP	ICB
OC-48 Riding Circuit/1/,/2/		
- unprotected channel	POYZW	ICB
- protected channel	POYZP	ICB
Sub-Rate System/3/		
- unprotected channel	POYSW	ICB
- protected channel	POYSP	ICB
ESCON Riding Circuit/3/,/4/,/5/		
- unprotected channel	POYHW	ICB
- protected channel	POYHP	ICB
Fast Ethernet Riding Circuit/3/,/4/		
- unprotected channel	POYCW	ICB
- protected channel	POYCP	ICB
D1 Video Riding Circuit/3/,/4/		
- unprotected channel	POYVW	ICB
- protected channel	POYVP	ICB
DVB-ASI Video Riding Circuit/3/,/4/		
- unprotected channel	PWY5W	ICB
- protected channel	PWY5P	ICB
SONET OC-3/OC-3c Riding Circuit/3/,/4/,/6/		
- unprotected channel	POYEW	ICB
- protected channel	POY5P	ICB

/1/ Available only where facilities and equipment permit beginning November 30, 2005.
/2/ Available only when ordered with OC-48 Sub-Rate System beginning November 30, 2005.
/3/ Available where facilities and equipment permit.
/4/ Available only when ordered with a Sub-Rate System.
/5/ Also available with ESCON Sub-Rate System.
/6/ Also available with SONET OC-3/OC-12 Sub-Rate System.

MULTI-SERVICE OPTICAL NETWORK RING (MON RING) SERVICE (cont'd)

C. Rates and Charges (cont'd)

Recurring Rates (cont'd)

	USOC	Monthly Rate
MON Ring Channels (cont'd)		
Ports (cont'd)		
- per port/per circuit terminating location		
ESCON Sub-Rate System[/1/]		
- unprotected channel	POY2W	ICB
- protected channel	POY2P	ICB
OC-3/OC-12 Sub-Rate System[/1/]		
- unprotected channel	POY3W	ICB
- protected channel	POY3P	ICB
OC-12/OC-12c Riding Circuit[/1/,/2/]		
- unprotected channel	POY5W	ICB
- protected channel	POY5P	ICB

/1/ Available where facilities and equipment permit.
/2/ Available only when ordered with OC-3/OC-12 Sub-Rate System.

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 (Gigabit Metro Area Network) Service is an intraLATA dedicated high capacity service 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 802.3). 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

In addition to the regulations contained in this Guidebook, the following regulations apply to GigaMAN.

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

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

3. 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: no credit shall be allowed for an interruption of less than 10 seconds. 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, explosion, lightning, power surges or failure, fiber cuts, strikes or labor disputes, acts of war, civil disturbances, acts of civil or military authorities or public enemy, governmental orders, civil commotion, criminal actions taken against the Company, acts of God and other circumstances beyond the Company’s reasonable control.

 /1/ (C)

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

GIGAMAN® SERVICE (cont'd) /1/

B. Regulations (cont'd)

4. 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 unavailability event occurred. /1/

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

GIGAMAN® SERVICE (cont'd) /1/

C. Provision of Service

1. The Customer Provided Equipment (CPE) must deliver the data signals for GigaMAN transport within the industry specification for the subscribed data service. Interface specifications are as specified in the Technical Specifications Packages listed in Paragraph E.

2. GigaMAN provides physical layer transport only. The Company assumes no responsibility for the through transmission of signals 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.

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

4. 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 15, Section 1, Paragraph D.4.

5. 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). /1/

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

GIGAMAN® SERVICE (cont'd) /1/

C. Provision of Service (cont'd)

6. 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.

7. 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.

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

D. 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 Gbps in Ethernet format (Ethernet IEEE 802.3z).

E. Technical Specification Packages

Technical specifications for GigaMAN Service are described in the following technical references:

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

/1/

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

GIGAMAN® SERVICE (cont'd) /1/

F. 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

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.

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 a 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.

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.

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. Route diversity options are described in detail below under Service Configurations. /1/

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

GIGAMAN® SERVICE (cont'd) /1/

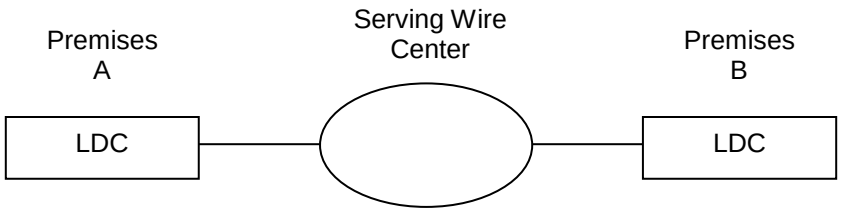
G. Service Configurations

All basic SERVICE configurations provide full duplex transmission. There is one basic type of GigaMAN Service configurations: Node-to-Node (two-point) 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 Channel (two applicable) /1/

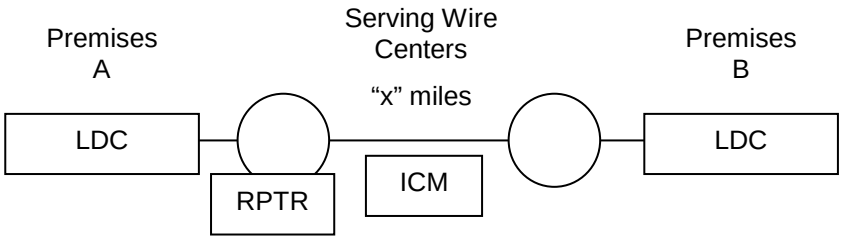
/1/ Material formerly appeared in Part 15, Section 4, Sheet 6.

GIGAMAN® SERVICE (cont'd) /1/

G. Service Configurations (cont'd)

Node-to-Node (cont'd)

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 Channel (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 7.

GIGAMAN® SERVICE (cont'd) /1/

G. Service Configurations (cont'd)

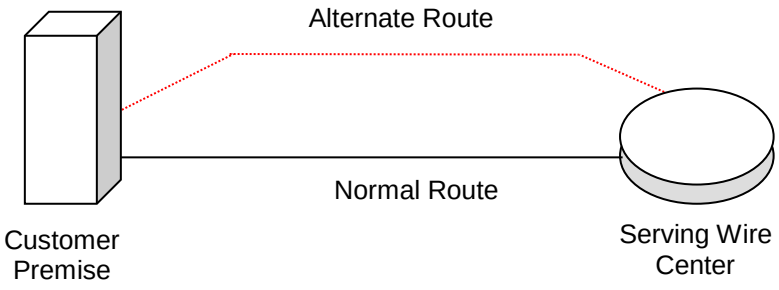
Diversity Options

Route diversity options are available where facilities exist. If appropriate facilities do not exist, Special Construction charges may apply.

GigaMAN offers three 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 8.

GIGAMAN® SERVICE (cont'd) /1/

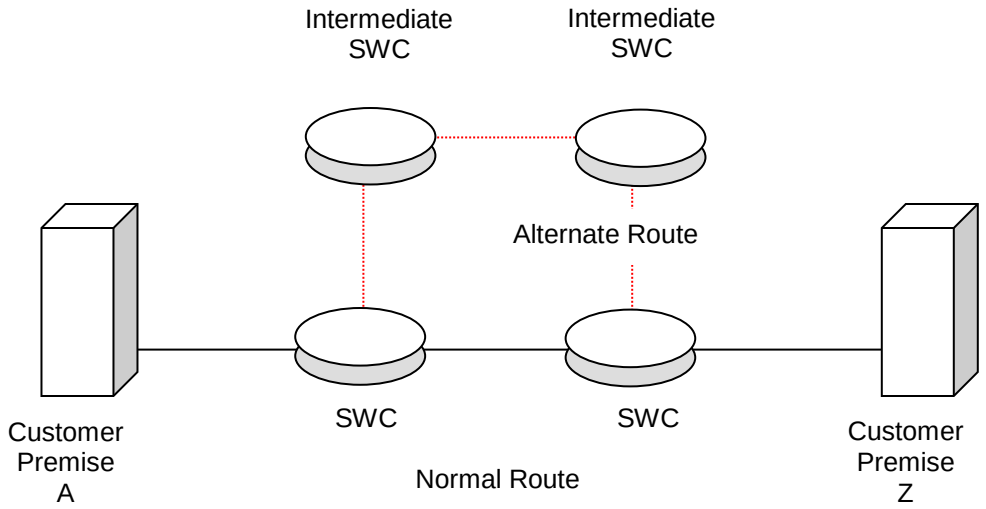
G. Service Configurations (cont'd)

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 9.

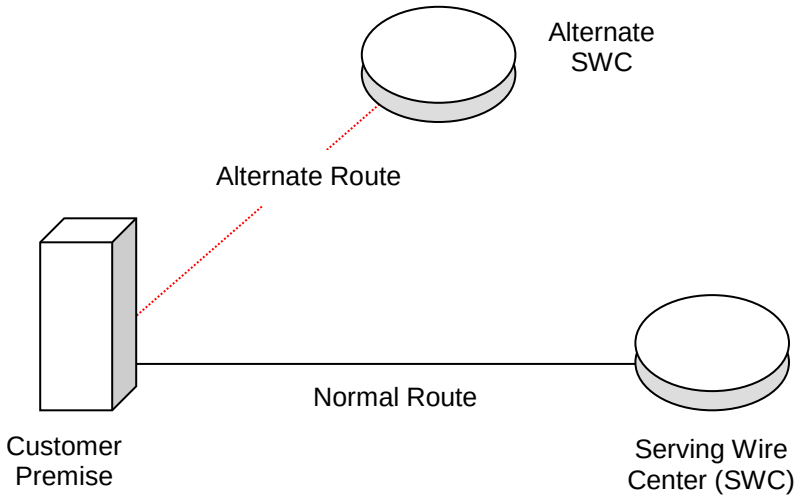
GIGAMAN® SERVICE (cont'd) /1/

G. Service Configurations (cont'd)

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 customers 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 10.

GIGAMAN® SERVICE (cont'd) /1/

G. Service Configurations (cont'd)

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 same, 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 11.

GIGAMAN® SERVICE (cont'd) /1/

G. Service Configurations (cont'd)

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 12.

GIGAMAN® SERVICE (cont'd) /2/

G. Service Configurations (cont'd)

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. /2/

/1/ Inter-Wire Center Path Protection must be ordered in conjunction with an Equipment Protection option at each end of the circuit. /2/ /2/
/2/ Material formerly appeared in Part 15, Section 4, Sheet 13.

GIGAMAN® SERVICE (cont'd) /3/

H. 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 /3/

/1/ The Installation Charge will be waived for those customers selecting the 36 or 60 month Term Pricing Plan (TPP) period for new service. /3/

/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 14.

GIGAMAN® SERVICE (cont'd) /3/

H. Rates and Charges (cont'd)

Recurring rates 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 Paragraph 8.3 following. Upon completion of a TPP, a customer's service will automatically convert to the Monthly Extension Rates unless the customer requests a new TPP. No customer shall purchase GigaMAN at the Monthly Extension Rate basis prior to the completion of a TPP.

		Monthly Extension	Term Pricing Plan *Monthly Contract Rates*			
	USOC	Rate	12 Months	24 Months	36 Months	60 Months
LDC	3LN5S	$3,800.00	$3,300.00	$3,100.00	$2,850.00	$2,500.00
ICM	1DA8X					
Fixed		250.00	250.00	225.00	200.00	100.00
Per Mile		125.00	125.00	115.00	100.00	75.00
RPTR	VU4	2,500.00	2,400.00	1,700.00	1,150.00	850.00
MSR[/1/]	M1RGX	ICB	ICB	N/A	ICB	ICB
Diversity						
LCD	CPALX	750.00	750.00	750.00	750.00	750.00
IWCD	CPATX	500.00	500.00	500.00	500.00	500.00
AWCD	CPAAX	1,200.00	1,200.00	1,200.00	1,200.00	1,200.00
Protection						
EOP	CPAEX	1,500.00	1,375.00	1,225.00	1,050.00	900.00
EP with …						
AWCPP	CPAFX	2,460.00	2,050.00	1,840.00	1,600.00	1,400.00
LCPP	CPAGX	2,190.00	1,825.00	1,650.00	1,425.00	1,225.00
IWCPP[/2/]	CPAHX	475.00	375.00	200.00	150.00	100.00
PP	VBBGX	700.00	625.00	525.00	480.00	435.00 /3/

/1/ Effective October 24, 2003, service arrangements utilizing a legacy mid-span repeater 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. /3/

/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 15.

GIGAMAN® SERVICE (cont'd) /1/

H. Rates and Charges (cont'd)

Term Pricing Plan (TPP)

1. The TPP provides for 12-, 24-, 36-, or 60-month rate stabilization. Decreases in term monthly recurring rates will be passed on to customers who participate in a TPP. The Company will notify customers participating in a TPP when term monthly recurring rates are decreased.

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

2. The customer may choose to terminate an existing TPP before the end of the 12-, 24-, 36-, or 60-month period and negotiate a new 12-, 24-, 36-, or 60-month TPP. The new TPP must be based upon the rates that are currently in effect and available to all customers.

3. The customer must provide the Company with a written notice of intent to renew a TPP no later than 90 days prior to its expiration. 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 service will automatically be billed under the monthly extension rates in effect at the time that TPP expires. Subsequently, customers under the monthly extension rates may convert their existing service to either a 12-, 24-, 36-, or 60-month TPP. Nonrecurring charges will be waived at the time of conversion.

4. Any special construction charges incurred for services billed under a TPP will be applicable as provided for in Part 15, Section 1.

5. Customers requesting the termination of a Term Pricing Plan prior to the expiration date, excluding Term Payment Plans terminated as a result of a renegotiation, 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

   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. /1/

/1/ Material formerly appeared in Part 15, Section 4, Sheet 16.

GIGAMAN® SERVICE (cont'd) /1/

H. Rates and Charges (cont'd)

Term Pricing Plan (TPP)

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 2-year contract, 15 months for a 3-year contract or 18 months for a 5-year contract. Existing GigaMAN Service with 1-year 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 17.

GIGAMAN® SERVICE (cont'd) /1/

H. Rates and Charges (cont'd)

Term Pricing Plan (TPP)

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 2-year contract, 15 months for a 3-year contract or 18 months for a 5-year contract. Existing GigaMAN Service with 1-year 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. /1/

/1/ Material formerly appeared in Part 15, Section 4, Sheet 18.

GIGAMAN® SERVICE (cont'd) /2/

H. Rates and Charges (cont'd)

Term Pricing Plan (TPP)

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/ /2/

/1/ Minimum in-service periods required for Upgrades only apply for service installed after July 20, 2007. /2/ /2/
/2/ Material formerly appeared in Part 15, Section 4, Sheet 19.

GIGAMAN® SERVICE (cont'd) /1/

H. Rates and Charges (cont'd)

Term Payment Plan (TPP)

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 20.

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 II® and MegaLink III® Digital Link Services 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 with either a DS1 (1.544 Mbps) signal or a 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 Service Office, MicroLink I, 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 Part 15, Section 3, or on a dial-up basis with a local exchange line and 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 (NECA Tariff).

B. Options and Features

Network Reconfiguration Service Options

- On-demand
- Reservation

The on-demand option will make near real time 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/

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/1/ Material formerly appeared in Part 15, Section 3, Sheet 57.

NETWORK RECONFIGURATION SERVICE (cont'd) /1/

B. Network Reconfiguration Service Options and Features (cont'd)

Network Reconfiguration Service Features

Routing Feature
The routing feature allows customers to reroute dedicated circuits to different locations at DS0, DS1, or DS3 bandwidth.

Renaming Feature
The renaming feature allows customers to rename their network locations, circuits and facilities.

Special Day Definition Feature
This feature gives customers the capability to specify circuit reconfiguration on special dates, e.g., payday, holidays.

Resource Verification Feature
This feature 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 Feature
This feature provides customers a database log that contains every transaction involving reconfigurations of their services.

Multilevel Security Feature
This feature eliminates the outside entry into a customer's circuit network arrangement inventory.

Compatibility Table Feature
This feature permits customers to view the allowable Private Line and Digital Link combinations that can be used within their NRS.

Path Priority Feature
This feature gives customers the ability to arrange their circuit paths in order of priority when multiple routes exist.

Reservation Summary Screen Feature
This feature allows customers to view the status of their reconfiguration reservations.

Simple Commands and Screens Feature
This feature permits customers to use simple commands on screens with easy to use menus.

Macro Command/Network Modeling Feature
This feature gives 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 change from one to the other.

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

/1/ Material formerly appeared in Part 15, Section 3, Sheet 58.

NETWORK RECONFIGURATION SERVICE (cont'd) /1/

C. 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.

D. Rate Regulations

This section describes the rate elements applicable to NRS. Rate applications specific to this service are also included.

General

There are four basic rate elements which apply to NRS:
- Service establishment
- Database modification
- Port charges
- Reconfiguration charges

Rate Element Description

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.

Database Modification
This charge applies (per customer contact, or request) each time the customer requests a subsequent modification of its database grid. A modification can 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 DS1 (from all data to all voice).

Port Charges
Port charges apply per port termination on the cross-connect system. There are three types of charges:
- Channel port charge - channel ports apply for termination of all eligible services other than MegaLink III – Wideband Digital Service/1.544 Mbps and Southwestern Bell DS3 Service/44.736 Mbps.
- DS1 port charge – MegaLink III - Wideband Digital service/1.544 Mbps port termination.
- DS3 port charge – Southwestern Bell DS3 Service/44.736 Mbps port termination.

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:
- For individual reservation or demand requests performed by the customer, or for each segment of a model request performed by the customer or the Company.
- For individual reservation or demand requests performed by the Company at the customer's direction. /1/

/1/ Material formerly appeared in Part 15, Section 3, Sheet 59.

NETWORK RECONFIGURATION SERVICE (cont'd) /1/

D. Rate Regulations (cont'd)

Application of Rates

1. When NRS is used in conjunction with Private Line or Digital Link services, the applicable rate elements per circuit are as set forth in the applicable Guidebooks. For service between two NRS hub locations, appropriate mileage rate elements will apply based on the customer's desired capacity.

2. Nonrecurring charges will be applied when existing channels must be reterminated to an NRS port.

3. 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.

E. Rates and Charges

	USOC	Monthly Rate	Nonrecurring Charges
Service Establishment			
- Per database setup	FN6DD	None	$1,722.00
Database Modification			
- Per request	FN6DC	None	80.00
Port Charges, per port			
- Channel port	PT5	$11.00	20.00
- DS1 Port	PT6	45.00	43.00
- DS3 Port	D3D	395.00	100.00
Reconfiguration Charges			
Per cross connect and/or disconnect successfully completed per request			
- Individual reservation or demand requests performed by the customer, or each segment of a model request performed by the customer or the Company		None	1.25
- Individual reservation or demand requests performed by the Company at the customer's request		None	8.00 /1/

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