

**MEGALINK ® DIGITAL SERVICE****A. General**

MEGALINK Digital Service provides for the simultaneous two-way transmission of synchronous digital signals at speeds of 2.4, 4.8, 9.6, 19.2, 56, or 64 Kbps. The service is available in either two-point or multi-point configurations, with the exception of 64 Kbps service which is available in only two-point configurations. The service is available between:

- Customer-designated premises
- Customer-designated premises and a Company serving office for the purpose of:
  - Multiplexing the circuit onto a higher speed circuit,
  - Bridging the circuit in a multi-point configuration,
  - Connection to a Company Network Reconfiguration Service (NRS) <sup>/1/</sup> hub.

(C)

**B. Regulations**

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

**1. Availability of Service**

MEGALINK Digital Service can only be provided where digital facilities exist. Serving offices where MEGALINK Digital Service is available are determined by the Company.

**2. Provision of Service**

- (a) The minimum period of which MEGALINK Digital Service is provided and for which rates and charges are applicable is one month, unless a different minimum period is established with Special Construction as provided in Part 15, Section 1, Paragraph D.4. When a service is discontinued prior to the expiration of the minimum period, charges are applicable for the remaining portion of the minimum period, whether the service is used or not, and will be based on the rates in effect for the service at the time of discontinuance.
- (b) MEGALINK Digital Service is furnished on a full-time basis (24 hours a day, seven days per week).
- (c) Customer requests for special routing of MEGALINK Digital Service channels are provided in accordance with Part 15, Section 1.
- (d) In the event suitable facilities are not available, or modifications to existing facilities are required, special construction charges will be applicable as provided in Part 15, Section 1, Paragraph D.4. Service availability will be negotiated locally.

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/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 ® DIGITAL SERVICE (cont'd)****B. Regulations (cont'd)**

## 2. Provision of Service (cont'd)

- (e) The Company has the service responsibility up to the demarcation point. The demarcation point will be provided by the Company as set forth in Technical Reference - PUB 62310. Section 10 of this publication describes the four-wire physical interface specifications.
- (f) The customer shall be responsible for ordering MEGALINK Digital Service and specifying the transmission speed required for operation with terminal equipment or communications systems provided by the customer.
- (g) This service is guaranteed to provide a performance level of at least 99.875% error-free seconds up to the demarcation point of the channel for operation at all transmission speeds offered in this Guidebook. When MEGALINK 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 as provided in Part 15, Section 1, Paragraph D. The credit allowance shall begin from the time of notice by the customer 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.
- (h) Digital equipment provided by the customer is subject to the regulations set forth in Part 15, Section 1, Paragraph E.
- (i) MEGALINK Digital Service may be used as a derived channel of a MEGALINK III Service through the use of the central office multiplexing additional service feature found later in this Section and in Part 20, Section 15. It is the customer's responsibility to determine channel assignments for the derived channels of the MEGALINK 1.5 Service. Additional interoffice channel mileage may be required in order to route the MEGALINK service to a central office multiplexing hub location for termination in the central office multiplexing arrangement.
- (j) MEGALINK Digital Service may be terminated in a channel port of a Network Reconfiguration Service (NRS)<sup>/1/</sup> found later in this Section. Additional interoffice channel mileage may be required to route the MEGALINK service to an NRS hub location. NRS channel port monthly rates will not apply if the customer terminates 20 or more MEGALINK services at a single NRS hub location. (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 ® DIGITAL SERVICE (cont'd)****B. Regulations (cont'd)**

## 3. Availability and Allowance for Interruptions

Availability is a measure of the relative amount of time that a service is usable to the customer. MEGALINK Digital Service is considered unavailable when 10 consecutive severely errored seconds (SESSs) are received. The service becomes available again when no SESSs are received for 10 consecutive seconds. The objective for MEGALINK service is 99.96% availability when averaged over 12 months. The Company, in order to ensure the highest performance standards and service availability to the customer, offers the following service guarantee:

If a MEGALINK service fails due to Company-provided equipment or facilities and the service is not restored to the customer within 24 hours of the outage report, and the service is made available to the Company by the customer during those 24 hours, the customer will be credited for 1/30th of the monthly rate for the service on the following month's bill. This guarantee is subject to the following conditions:

- (a) The credit will be applied on a per circuit, per occurrence basis and will only be applied once during a 24-hour period. Credits are not accumulative.
- (b) The trouble cause must be isolated to Company-provided equipment. Trouble determined to be caused by customer-provided equipment or trouble that clears without a positive determination as to cause, will not qualify for the service credit.
- (c) The outage must be reported by the customer. Company-initiated reports will not qualify for the service credit.
- (d) There may be occasions when the service does not meet the required operating parameters, but due to business conditions, the customer is unable to release the circuit for immediate testing. The 24- hour clock does not begin until the service is made available to the Company for repair.
- (e) The service guarantee applies to recurring rates and charges for MEGALINK local distribution channels and interoffice channel mileage.
- (f) On MEGALINK service used with NRS, the service credit applies only to the MEGALINK portion of the service, and will not apply to NRS.

**MEGALINK ® DIGITAL SERVICE (cont'd)****C. Description of Service**

MEGALINK Digital Service channels provide the transmission paths for digital data signals between two or more customer premises within a LATA.

1. Access Channels to a Digital Serving Office

Local Distribution Channel

A two-point transmission path between a customer's premises and the Company serving office or NRS hub. Local distribution channels suitable for synchronous data rates of 2.4, 4.8, 9.6, 19.2, 56 and 64 kbps, respectively, are provided.

Interoffice Channel

A two-point transmission path between serving offices, between a serving office and a digital hub or NRS hub, between digital hubs, or between a digital hub and an NRS hub. Charges are based on the vertical and horizontal (V-H) distance between the digital serving office or NRS hub and the serving office of the customer. A fixed charge and rate per mile for the requested transmission speed will apply for each interoffice channel. V-H coordinates for digital serving offices, serving offices, and NRS hubs may be found in the National Exchange Carrier Association, Inc. (NECA) Wire Center Information Tariff.

2. Service Charge

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

3. Multi-Station Arrangement

A multi-station arrangement is required to provide for MEGALINK Digital Service between three or more digital stations on the same and/or different premises located within a LATA.

This offering may consist of standard digital service for intraLATA service between three or more stations at speeds of 2.4, 4.8, 9.6, 19.2 and 56 kbps. Multi-station arrangements will be provided at a digital hub.

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

The rate for a multi-station arrangement is set forth in 'Rates and Charges', following.

**MEGALINK ® DIGITAL SERVICE (cont'd)**

**C. Description of Service (cont'd)**

4. Secondary Channel Capability

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

Secondary channel capability is available on point-to-point or multi-point services which use non-repeated local distribution channels. Secondary channel capability can only be provided at digital serving offices for MEGALINK services. Secondary channel capability is not available with 64 kbps service.

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

The rate for secondary channel capability is set forth in 'Rates and Charges', following.

**MEGALINK® DIGITAL SERVICE (cont'd)****D. Rates and Charges**

## 1. Access Channels to a Digital Serving Office

## Local Distribution Channel

- Per termination of a local distribution channel on a customer's premises.

For Transmission Speed of:	Monthly Rate	Service Charge	USOC
2.4 kbps	\$2,064.00 (I)	\$340.00	SYN24
4.8 kbps	2,064.00 (I)	345.00	SYN48
9.6 kbps	2,064.00 (I)	325.00	SYN96
19.2 kbps	2,965.00 (I)	355.00	SYN19
56 kbps	2,965.00 (I)	355.00	SYN56
64 kbps	2,965.00 (I)	355.00	SYN64

## Interoffice Channel

- Per V-H mile between the digital serving office or NRS hub and the serving office for the mileage portion plus the fixed charge.

For Transmission Speed of:	Fixed Charge	Monthly Rate Per Mile	USOC
2.4 kbps	\$1,042.00 (I)	\$27.00 (I)	1LNQQ
4.8 kbps	1,042.00 (I)	27.00 (I)	1LNRQ
9.6 kbps	1,042.00 (I)	27.00 (I)	1LNSQ
19.2 kbps	1,042.00 (I)	48.00 (I)	1LNJQ
56 kbps	1,042.00 (I)	48.00 (I)	1LNTQ
64 kbps	1,042.00 (I)	48.00 (I)	1LN8Q

## 2. Multi-Station Arrangement

When a MEGALINK circuit is arranged for multi-station operation for transmission speeds of 2.4, 4.8, 9.6, 19.2 and 56 kbps, the following charge applies per channel connected at a digital serving office in addition to other charges in this Guidebook.

Monthly Rate	USOC
\$18.00	6BN

Multi-station service is described in C.3, preceding.

**MEGALINK ® DIGITAL SERVICE (cont'd)****D. Rates and Charges (cont'd)**

## 3. Secondary Channel Capability

When a MEGALINK circuit is arranged for secondary channel capability, the following charge applies per local distribution channel connected on the circuit. This charge is in addition to other charges in this Guidebook.

<u>For Transmission Speed of:</u>	<u>Monthly Rate</u>	<u>Service Charge</u>	<u>USOC</u>
For all speeds	\$12.00	\$112.00	SCA

Secondary channel capability is described in C.4, preceding.

## 4. Telecommunications Service Priority System

Telecommunications Service Priority System service is available for Digital Link Service under the regulations and rates specified in Part 8, Section 5.

**MEGALINK ® DIGITAL SERVICE (cont'd)****D. Rates and Charges (cont'd)****5. Term Pricing Plan<sup>/1/</sup>**

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

The monthly rates in the TPP will not be subject to rate increases for the duration of the TPP period.

- b. The customer may choose to terminate an existing TPP before the end of the two, three or five year period and negotiate a new two, three or five year TPP as follows:

Upgrades

During a customer's TPP term, conversion may be made to a new TPP term of the same or different length or to a higher speed service, if the expiration date for the new service or TPP term is beyond the end of the original TPP term.<sup>/2/</sup> The new TPP term becomes effective upon execution. No credit for months under the previous TPP may be transferred to the new TPP. The customer incurs no liability for the remaining months on the original TPP, since the change is not considered a termination of service. The prices applicable for the new term are those currently in effect for new customers.

Moves

During a TPP term a customer may move one Local Distribution Channel (LDC) of a MEGALINK Digital Service to another location in the same LATA and keep the TPP in force, provided no lapse in service occurs. Moves to a different serving office, however, may result in a change in the monthly charges. The customer must have met the minimum in-service period at the old location and be liable for a new minimum in-service period at the new location. The nonrecurring charge that is currently in effect for month-to-month service will apply.

- c. Renewals

At the end of a TPP term, the customer may elect a new TPP term with the prices in effect at that time. If the customer elects not to renew the TPP, or does not notify the Company of the customer's intent to establish a new TPP, the service will automatically be billed under the monthly rates in effect at the time the TPP expires.<sup>/3/</sup>

<sup>/1/</sup> Effective December 29, 2006, Term Pricing Plans for MegaLink Digital Service are grandfathered, available only to existing customer at existing locations. Existing customers may remain on their current plan until the existing two, three or five year term expires. Upon expiration, customers will be charged the then-current monthly rates.

<sup>/2/</sup> Customers with existing TPP's established prior to May 25, 2001 may convert their TPP to a lower bandwidth as long as the new TPP contract period meets or exceeds the remaining time on the customer's existing contract.

<sup>/3/</sup> Customers with existing TPP's established prior to May 25, 2001 may renew their TPP once at previously established rates.

**MEGALINK ® DIGITAL SERVICE (cont'd)****D. Rates and Charges (cont'd)**5. Term Pricing Plan<sup>/1/</sup> (cont'd)

- d. Any special construction charges incurred for services billed under a TPP will be applicable as provided for in Part 15, Section 1.
- e. Customers requesting the termination of a TPP prior to the expiration date, excluding TPPs terminated as a result of a re-negotiation, will incur termination charges. Payment of the termination charge does not release the customer from other previous amounts owed to the Company.

If the customer terminates the Term Pricing Plan agreement prior to the expiration of the two, three or five year TPP, the customer shall pay a termination charge.

The termination charge for all service terms will be calculated as follows:

For service terms that become effective on or after October 1, 2004:

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

For service terms in effect prior to October 1, 2004:

The termination charge shall be the lesser of:

- The difference between the TPP rates and charges for the completed months of the TPP at the time of termination and the rates and charges for the next lower service term<sup>/2/</sup> actually completed plus interest charges based on the annuity factor discount rate, as stated in Part 2, in effect at the time of termination; or
- The monthly payments left on the term.

Example: If the customer completes 27 months of a 36 month (3 year) service term, the first calculation of a termination charge will equal the difference between 27 months of rates and charges at the 3 year service term and 27 months of rates and charges at the 2 year term (which is the next lower service term actually completed) plus interest at the annuity factor discount rate in effect at the time of termination. The second calculation will be the sum of the 9 remaining monthly payments of the 3 year service term. The termination charge is the lesser of the two calculations.

Customers requesting the termination of a renewed TPP prior to the expiration date will pay the subsequent year termination percentage for the applicable plan.

/1/ Effective December 29, 2006, Term Pricing Plans for MegaLink Digital Service are grandfathered, available only to existing customer at existing locations. Existing customers may remain on their current plan until the existing two, three, or five year term expires. Upon expiration, customers will be charged the then current monthly rates.

/2/ If the service is terminated within the first 24 months, the calculation is based on month-to-month rates.

**MEGALINK ® DIGITAL SERVICE (cont'd)****D. Rates and Charges (cont'd)**5. Term Pricing Plan<sup>/1/</sup> (cont'd)

- f. Customers currently subscribing to MEGALINK service on a month-to-month basis may convert their existing service to either a two, three, or five year TPP. Nonrecurring charges will be waived at the time of conversion.

## g. Local Distribution Channel

- Per termination of a local distribution channel on a customer's premises

For Transmission Speed of:	2 Years	Monthly Rates		Service Charge
		3 Years	5 Years	
2.4 Kbps	\$72.00	\$67.00	\$62.00	\$340.00
4.8 Kbps	72.00	67.00	62.00	345.00
9.6 Kbps	72.00	67.00	62.00	325.00
19.2 Kbps	72.00	67.00	62.00	355.00
56 Kbps	76.00	72.00	67.00	355.00
64 Kbps	76.00	72.00	67.00	355.00

## h. Interoffice Channel

- Per V-H mile between the digital serving office or NRS hub and the serving office for the mileage portion plus the fixed charge

For Transmission Speed of:	2 Years	Monthly Rates		
		3 Years	5 Years	
<b>Fixed</b>				
2.4 Kbps	\$45.00	\$40.00	\$38.00	
4.8 Kbps	45.00	40.00	38.00	
9.6 Kbps	45.00	40.00	38.00	
19.2 Kbps	45.00	40.00	38.00	
56 Kbps	50.00	45.00	40.00	
64 Kbps	50.00	45.00	40.00	
<b>Per Mile</b>				
2.4 Kbps	0.55	0.55	0.52	
4.8 Kbps	0.80	0.65	0.60	
9.6 Kbps	0.80	0.65	0.60	
19.2 Kbps	0.80	0.65	0.60	
56 Kbps	0.80	0.65	0.60	
64 Kbps	0.80	0.65	0.60	

/1/ Effective December 29, 2006, Term Pricing Plans for MegaLink Digital Service are grandfathered, available only to existing customer at existing locations. Existing customers may remain on their current plan until the existing two, three, or five year term expires. Upon expiration, customers will be charged the then current monthly rates.

**MEGALINK ® DIGITAL SERVICE (cont'd)****D. Rates and Charges (cont'd)**5. Term Pricing Plan<sup>/1/</sup> (cont'd)

## i. Multi-Station Arrangement

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

Monthly Rates		
2 Years	3 Years	5 Years
\$14.00	\$12.00	\$10.00

## j. Secondary Channel Capability

Secondary Channel Capability is described in C.4 preceding.

Monthly Rates		
2 Years	3 Years	5 Years
\$7.50	\$7.00	\$6.00

/1/ Effective December 29, 2006, Term Pricing Plans for MegaLink Digital Service are grandfathered, available only to existing customer at existing locations. Existing customers may remain on their current plan until the existing two, three, or five year term expires. Upon expiration, customers will be charged the then current monthly rates.

**MICROLINK I® - PUBLIC SWITCHED DIGITAL SERVICE****A. General**

MICROLINK I is a discretionary business network service which provides the capability of full duplex synchronous, 56 kilobit per second, data only, switched digital end-to-end information transport.

This service is available to customers in those LATAs served by and within the service territories of the Company. The originating and termination calling scope of MICROLINK I is confined and limited to intraLATA service area applications.

**B. Rules and Regulations**

1. The following Rules and Regulations are in addition to other Rules and Regulations as stated in this and other Company Guidebooks.
2. Provision of this service is subject to the availability and operational limitations of the equipment and associated facilities.
3. MICROLINK I requires the use of a customer-provided data unit which must be compatible with the Company's equipment and facilities and is subject to the interface specification as specified in the Bell Communications Research, Inc., Technical Reference TR-EOP-000277, Section 3.
4. The rates and charges for MICROLINK I service are in addition to the established monthly and nonrecurring charges applicable to services terminated in or used in conjunction with MICROLINK I.
5. Temporary suspension of service at the request of the customer, either partial or complete, is not applicable for this offering.
6. Customer-initiated changes and rearrangements of the MICROLINK I service will be based upon cost, including engineering, labor and material.
7. Where a variety of equipment and facilities may be used to provide MICROLINK I service, the Company reserves the right to determine which shall be used to modify and change such equipment and facilities at its option.
8. The minimum billing period for this service is one month. If service is discontinued after the first month during a fractional part of a month, all appropriate charges will be based on the actual number of days the service is 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.
9. MICROLINK I service, when furnished at the same premises in combination with other Local Exchange Service, shall not be considered to be in conflict with the rules of paralleling service.

**MICROLINK I® - PUBLIC SWITCHED DIGITAL SERVICE (cont'd)****C. Service Availability**

MICROLINK I service is available to customers within a Primary Market Area. A Primary Market Area is distinguishable as being an exchange area containing one or more suitably equipped serving office(s). Within a PMA, customer's premises need not be within the actual suitably equipped serving office area. MicroLink I service is also available to customers whose serving central offices are located outside the Primary Market Area. In this case, the customer must also order a Link Extension and pay the applicable distance sensitive rates for connecting the serving central office to the nearest office within the PMA. The Primary Market Area does not include any exchange optional or special optional type local calling arrangements.

MICROLINK I service does not have available the local calling scopes of optional Extended Area Service (or any other optional Extended Area Service-like calling plan).

**D. Responsibility of the Customer**

1. Where MICROLINK I service is available for use in connection with terminal equipment or communication systems provided by a customer or user, the operating characteristics of such equipment or systems shall be such as not to interfere with any of the services offered by the Company. Such use is subject to the further provisions that the equipment provided by a customer or user does not endanger the safety of the Company employees or the public; damage, require change in, or alteration of the equipment or other services of the Company; interfere with the proper functioning of such equipment or services; impair the operation of the Company's equipment; or otherwise injure the public in its use of the Company services. Upon notice from the Company that the equipment provided by customer or user is causing or is likely to cause such hazard or interference, the customer shall take such steps as shall be necessary to remove or prevent such hazard or interference.
2. The customer, upon request, shall furnish such information as may be required to permit the Company to design and maintain the MICROLINK I service it offers and to ensure that the service arrangement is in accordance with the regulations contained herein.
3. It shall be the responsibility of the customer to ensure the continuing compatibility of the customer-provided terminal and data unit equipment that is used in conjunction with the MICROLINK I service.
4. MicroLink I service allows the customer to presubscribe to a selected Interexchange Carrier for carrying Long Distance traffic, but it is the customer's responsibility to ensure the Interexchange Carrier's network is capable of carrying the switched digital 56 Kbps format.

**MICROLINK I® - PUBLIC SWITCHED DIGITAL SERVICE (cont'd)****E. Responsibility of the Company**

1. The Company shall not be responsible for installation, operation or maintenance of any terminal equipment, data unit or communications systems provided by a customer or user. The Company is not responsible for adapting MICROLINK I service to the technological requirements of any specific customer equipment. The responsibility of the Company shall be limited to the furnishing of network equipment suitable for MICROLINK I service and to the maintenance and operation of such equipment in a manner proper for such service. Subject to this responsibility the Company shall not be responsible for the through transmission of signals generated by customer provided equipment or system, or for the quality of, or defects in, such transmission or the reception of signals by such equipment or systems.
2. The Company shall not be responsible to the customer or user, if changes in any of the equipment, operations, or procedures of the Company utilized in the provision of MICROLINK I service render any facilities provided by a customer or user obsolete or require modification or alteration of such equipment or system or otherwise affect its use or performance, provided the Company has met any applicable information disclosure requirements.
3. The Company undertakes the responsibility to maintain and repair the service which it furnishes. The customer or user may not rearrange, disconnect, remove, attempt to repair, remote test or interfere with any network equipment on the Company side of the Demarcation Point without prior written consent of the Company.
4. The Company, by written notice to the customer, may immediately discontinue the furnishing of MICROLINK I service without incurring liability upon nonpayment of any sum due to the Company or a violation of any condition governing the furnishing of service.



**MEGALINK® 1.5 HIGH CAPACITY DIGITAL SERVICE****A. Description and Application of Services**

## 1. General

MegaLink 1.5 High Capacity Digital Service, hereinafter referred to as MegaLink 1.5 Service, provides for the simultaneous two-way transmission of a serial, bipolar, return-to-zero, isochronous digital signal at a terminating bit rate of 1.544 megabits per second (Mbps). The service is available in a point-to-point configuration between:

- Two customer-designated premises
- A customer-designated premise and a Company serving office where multiplexing, hubbing or cross-connection functions are performed
- Two Company Plexar locations or customer-designated premise and Company Plexar location
- A customer-designated premise and a Company Network Reconfiguration Service (NRS)<sup>/1/</sup> (C) hub

## 2. Regulations

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

The services provided for MegaLink 1.5 are primarily designed to meet the private line communications requirements of business customers, i.e., non-interexchange carriers, and the regulations herein reflect 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 customer 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) Provision of Service

MegaLink 1.5 service is available only on a point-to-point intraLATA basis.

MegaLink 1.5 service is furnished on a full-time basis (24 hours a day, seven days per week).

MegaLink 1.5 service can only be provided within the same LATA where existing digital facilities and equipment permit. Services between serving wire centers must have digital service components (digital connectivity) between all intermediate offices to have the ability to provide the service. Additional service features may be available only at selected central offices as determined by the Company.

Customer requests for MegaLink 1.5 service may require construction of suitable service components. The regulations, rates and charges applicable to special construction are found in Part 15, Section 1, Paragraph D.4. Service availability will be negotiated locally.

Customer requests for special routing of MegaLink 1.5 service channels are provided in accordance with Part 15, Section 1.

/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® 1.5 HIGH CAPACITY DIGITAL SERVICE (cont'd)****A. Description and Application of Services (cont'd)**

## 2. Regulations (cont'd)

## (b) Provision of Service (cont'd)

The Company has the service responsibility up to the demarcation point. The demarcation point will be provided by the Company as set forth in Bellcore Technical Advisory TA-TSY-000342. This publication provides transmission parameter limits and interface combinations for high capacity special access services (e.g., DS1), and may be obtained from:

Bell Communications Research  
Information Operation Center  
60 New England Avenue  
Piscataway, NJ 08854-4196

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/landowner and agreed to by the Company.

Digital equipment provided by the customer is subject to the regulations set forth in Part 15, Section 1, Paragraph E.

MegaLink 1.5 may be terminated in a DS1 port of a Company-provided Network Reconfiguration Service (NRS) <sup>/1/</sup> arrangement at a designated NRS hub location. Additional interoffice channel mileage may be incurred to route the MegaLink 1.5 service to the hub location. The DS1 port on the NRS arrangement will be considered as a service point on the circuit. Refer to additional regulations concerning NRS found later in this Section under the NRS service offering. (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® 1.5 HIGH CAPACITY DIGITAL SERVICE (cont'd)****A. Description and Application of Services (cont'd)**

## 2. Regulations (cont'd)

## (c) Transfer of Service

MegaLink 1.5 service furnished to one customer may be assumed by a new customer upon due notice of cancellation or abandonment, provided there is no interruption of use or relocation of the service. The new customer must assume all obligations of the previous customer. Such changes are not subject to service charges if the service is assumed exactly as provided to the previous customer. The transferee (new customer) shall provide to the Company the written notice of release of such services from the transferor (former customer). The transfer of service does not relieve or discharge the transferor from remaining jointly or severally liable with the transferee for any obligations existing at the time of the transfer.

## (d) Allowance for Interruptions

## 1. MegaLink 1.5 Not Available with SecureNet

Credit allowances are determined in accordance with the regulations set forth in Part 15, Section 1, Paragraph D.8.

MegaLink 1.5 service 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. MegaLink 1.5 Available with SecureNet

- MegaLink 1.5 service equipped with SecureNet shall be allowed a credit for a single service interruption greater than 2.0 seconds, but less than 4 hours. If a service outage of 4 hours or more occurs, the terms set forth in paragraph 1. above will apply. 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 1.5 service equipped with SecureNet (e.g., a loop failure on a MegaLink 1.5 service would receive credit after a 2.0 second interruption; an interoffice facility failure on the same service would be credited after four hours).
- For a MegaLink 1.5 service equipped with SecureNet, the credit for a single service interruption greater than 2.0 seconds will be 50% of the recurring monthly rate for the applicable rate elements (e.g., Local Distribution Channel; Interoffice Channel Mileage, both fixed and per mile; and Multiplexing).

**MEGALINK® 1.5 HIGH CAPACITY DIGITAL SERVICE (cont'd)****B. Rate Configuration**

There are four basic rate elements which may apply to MegaLink 1.5 service:

- Local distribution channel
- Interoffice channel mileage
- Additional service features
- Service charge

Local Distribution Channel

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

Interoffice channel mileage is defined as the component of the service between two Company serving wire centers, between a serving wire center and a Company-designated digital hub, or between digital or NRS hubs. 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, a serving wire center and a digital hub, between 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 wire centers and designated digital and NRS hubs can be found in the National Exchange Carrier Association, Inc. (NECA) Wire Center Information Tariff.

Additional Service Features*Central Office Multiplexing*

Central office multiplexing is an arrangement which converts a 1.544 Mbps channel to multiple channels suitable for use with voice grade or subrate digital services. Central office multiplexing is available only in certain Company-designated multiplexing hub locations. Refer to the NECA Wire Center Information Tariff for locations. Special routing may be required in order to provide this service. There are three levels of central office multiplexing available:

*1.544 Mbps (DS1) to Voice*

This arrangement provides for 24 channels for use with voice or voice grade data services. Derived channels of the 1.544 Mbps channel to the hub may also be used for MegaLink Digital Service. Voice grade services may not include services which terminate directly into the public switched network.

**MEGALINK® 1.5 HIGH CAPACITY DIGITAL SERVICE (cont'd)****B. Rate Configuration (cont'd)**Additional Service Features (cont'd)*Central Office Multiplexing (cont'd)**1.544 Mbps (DS1) to 64 kbps (DS0)*

An arrangement that converts a 1.544 Mbps channel to twenty-three (23) 64 kbps channels using digital time division multiplexing.

*64.0 kbps (DS0) to Subrate*

An arrangement that converts a 64 kbps channel to sub-speeds of up to twenty 2.4 kbps, ten 4.8 kbps or five 9.6 kbps channels using digital time division multiplexing. This feature is available only in conjunction with 1.544 Mbps (DS1) to 64 kbps (DS0) multiplexing as part of a cascading multiplex arrangement in the same multiplexing hub location.

*Clear Channel Capability (CCC)*

Clear channel capability (CCC) is a feature that provides the customer with an increase in usable bandwidth from 1.344 Mbps to 1.536 Mbps of an unconstrained data stream across the network. CCC is provided on 1.544 Mbps service and provisioning of CCC in our network requires the customer signal at the channel interface to conform to bipolar with eight zero substitution (B8ZS) line code format as described in Bellcore Technical Advisory TA-TSY-000342. Customer equipment must be compatible with this method of providing the unconstrained signal. Provision of this feature may require special routing of the interoffice channel mileage.

*Extended Superframe Format (ESF)*

Extended superframe format (ESF) is a non-chargeable option that passes a customer-provided framing format for 1.544 Mbps service. ESF extends the customer's 1.544 Mbps framing structure from 12 to 24 frames and divides the 8 kbps 193rd bit position pattern into three distinct functions: 2 kbps for frame synchronization, 2 kbps for cyclic redundancy checking, and 4 kbps for performance monitoring.

**MEGALINK® 1.5 HIGH CAPACITY DIGITAL SERVICE (cont'd)****B. Rate Configuration (cont'd)**Additional Service Features (cont'd)*SecureNet*

As an inherent feature of MegaLink 1.5 service, SecureNet provides automatic restoration capabilities which prevent service interruption in the event of a single facility break or a single loop electronics failure. This feature is called SecureNet. SecureNet is available with point-to-point MegaLink 1.5 service only where fiber optic facilities are used to provide the MegaLink 1.5 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 1.5 service to the secondary transmission path within 2.0 seconds.

The secondary transmission path for MegaLink 1.5 service equipped with SecureNet will be routed in a geographically separate fiber optic cable up to the nearest point to the customer's premises that route redundancy can be achieved. In the event a facility break occurs in that portion of the MegaLink 1.5 service for which route redundancy could not be achieved (e.g., interoffice channel mileage), the Company cannot guarantee automatic restoration of the customer's service within 2.0 seconds, and a credit as set forth in A.2.d.2 preceding will not apply. In this case, the normal allowance for service interruptions applies as outlined in A.2.d.1 preceding.

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 feature provided is loop protection. This feature provides automatic restoration of the MegaLink 1.5 service local distribution channel and physical route redundancy from the customer's premises to the customer's serving wire center in the event of a single loop failure.

**MEGALINK® 1.5 HIGH CAPACITY DIGITAL SERVICE (cont'd)**

**B. Rate Configuration (cont'd)**

Additional Service Features (cont'd)

*Rollover*

A Rollover is a customer-initiated move that involves a change of a point of termination from an existing service to another existing service within the same customer premises or the same serving wire center. The Rollover must occur within the same Company location.

Rollovers may be performed at the following service levels:

- Analog Private Line and MegaLink Digital services to MegaLink 1.5 service
- MegaLink 1.5 service to MegaLink 1.5 service

Service Charge

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

**MEGALINK® 1.5 HIGH CAPACITY DIGITAL SERVICE (cont'd)****C. Month-to-Month Rates and Charges**

	<u>Monthly Rate</u>	<u>Service Charge</u>	<u>USOC</u>	
Local Distribution Channel				
- Per channel terminated on a customer's premises	\$1,879.00 (I)	\$685.00	1LDPJ	
Interoffice Channel Mileage				
- Rate per V-H mile or fraction thereof, between serving wire centers, or between a serving wire center and digital hub				
	<u>Monthly Rates</u>		<u>USOC</u>	
	<u>Fixed</u>	<u>Per Mile</u>		
0 miles	None	None	3LBNA	
Over 0	\$952.00	\$285.00	3LBNB	(I)
	<u>Monthly Rate</u>	<u>Service Charge</u>	<u>USOC</u>	
<u>Additional Service Features</u>				
Clear Channel Capability				
- Per local distribution channel	None	None	CLR	
Extended Superframe Format				
- Per local distribution channel	None	None	SF1	
SecureNet				
- Per local distribution channel	None	None	P7T	
Central Office Multiplexing				
- Per arrangement				
1.544 Mbps (DS1) to Voice <sup>/1/</sup>	\$250.00	None	MQ1	
1.5644 Mbps (DS1) to 64.0 kbps (DS0)	2,224.00	None	QMU	(I)
64.0kbps (DS0) to Subrate <sup>/2/, /3/</sup>				
Up to twenty 2.4k bps services	147.00	None	QSU24	
Up to ten 4.8k bps services	175.00	None	QSU48	
Up to five 9.6 kbps services	200.00	None	QSU96	

/1/ For rates for analog voice or data channels used in conjunction with this multiplexing arrangement refer to the Part 15, Section 2. See MegaLink Digital Service in this Section for appropriate rates.

/2/ This additional service feature also requires the purchase of DS1 to DS0 multiplexing as described above.

/3/ For rates for digital subrate services (2.4 kbps, 4.8 kbps and 9.6 kbps) used in conjunction with this multiplex arrangement, refer to the MegaLink Digital Service offering in this Section.

**MEGALINK® 1.5 HIGH CAPACITY DIGITAL SERVICE (cont'd)****C. Month-to-Month Rates and Charges (cont'd)**Additional Service Features (cont'd)

	Service Charge		
	First Circuit	Additional Circuit	USOC
Rollover			
- Analog Private Line and MegaLink Digital service to MegaLink 1.5, per service, per order	\$250.00	\$175.00	NR9QA
- MegaLink 1.5 to MegaLink 1.5 service, per service, per order	300.00	275.00	NR9QB

**D. Term Pricing Plan**

1. The Term Pricing Plan (TPP) provides the customer with rate stabilization and discounted rates. The TPP provides for one, two<sup>/2/</sup>, three<sup>/2/</sup> or five<sup>/1/</sup> year rate stabilization. Decreases in monthly recurring rates will be passed on to customers who participate in a TPP. The Company will notify customers participating in a TPP when monthly rates are decreased. Should the Company increase its rates during the Term Pricing Plan period, the customer would continue to pay the rates in effect at the time the customer elected to establish service under the TPP. (C)
2. The customer may choose to terminate an existing TPP before the end of the one, two<sup>/2/</sup>, three<sup>/2/</sup> or five<sup>/1/</sup> year period and negotiate a new TPP as follows: (C)

Upgrades

During a customer's TPP term, conversion may be made to a new TPP term of the same or different length or to a higher speed service, if the expiration date for the new service or TPP term is beyond the end of the original TPP term. The new TPP term becomes effective upon execution. No credit for months under the previous TPP may be transferred to the new TPP. The customer incurs no liability for the remaining months on the original TPP, since the change is not considered a termination of service. The prices applicable for the new term are those currently in effect for new customers.

Moves

During a TPP term, a customer may move one Local Distribution Channel (LDC) of a MegaLink 1.5 Service to another location in the same LATA and keep the TPP in force, provided no lapse in service occurs. Moves to a different serving office however may result in a change in the monthly charges. The customer must have met the minimum in-service period at the old location and be liable for a new minimum in-service period at the new location. The nonrecurring charge that is currently in effect for month-to-month service will apply.

3. Renewals

At the end of a TPP term, the customer may elect a new TPP term with the prices in effect at that time. If the customer elects not to renew the TPP, or does not notify the Company of the customer's intent to establish a new TPP, the service will automatically be billed under the monthly rates in effect at the time the TPP expires.

/1/ As of October 1, 2013, Term Pricing Plan terms greater than 36 months are no longer available for new or renewing subscribers.

/2/ As of January 15, 2021, 24 and 36 month Term Pricing Plans are no longer available for new or renewing subscribers. (N)  
(N)

**MEGALINK® 1.5 HIGH CAPACITY DIGITAL SERVICE (cont'd)****D. Term Pricing Plan (cont'd)**

4. Any special construction charges incurred for services billed under a TPP will be applicable as provided for in Part 15, Section 1, Paragraph D.4.
5. If the customer terminates the Term Pricing Plan agreement prior to the expiration of the one, two<sup>/2/</sup>, three<sup>/2/</sup>, or five<sup>/1/</sup> year TPP, the customer shall pay a termination charge. TPPs terminated as a result of a re-negotiation are excluded from termination charges. Payment of the termination charge does not release the customer from other previous amounts owed to the Company. (C)

The termination charge for all service terms will be calculated as follows:

For service terms that become effective on or after October 1, 2004:

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

For service terms in effect prior to October 1, 2004:

The termination of a TPP prior to the expiration date will result in a termination charge. The termination charge shall be equal to all waived and/or unpaid nonrecurring charge plus the lesser of:

- The difference between the TPP rates and charges for the completed months of the TPP at the time of termination and the rates and charges for the next lower service term actually completed plus interest charges based on the annuity factor discount rate, as stated in Part 2, in effect at the time of termination; or
- The monthly payments left on the term.

Example: If the customer completes 27 months of a 36 month (3 year) service term, the first calculation of a termination charge will equal the difference between 27 months of rates and charges at the 3 year service term and 27 months of rates and charges at the 2 year term (which is the next lower service term actually completed) plus interest at the annuity factor discount rate in effect at the time of termination. The second calculation will be the sum of the 9 remaining monthly payments of the 3 year service term. The termination charge is the lesser of the two calculations.

6. Customers currently subscribing to MegaLink 1.5 Service on a month-to-month basis may convert their existing service to either a one, two<sup>/2/</sup>, three<sup>/2/</sup> or five<sup>/1/</sup> year TPP. Nonrecurring charges will be waived at the time of conversion. (C)

Customers may upgrade their service to a greater bandwidth (e.g. MegaLink 1.5 to MegaLink 45) without incurring a termination charge provided that the new TPP is of equal or greater duration. The nonrecurring charge associated with new service will apply.

/1/ As of October 1, 2013, Term Pricing Plan terms greater than 36 months are no longer available for new or renewing subscribers.

/2/ As of January 15, 2021, 24 and 36 month Term Pricing Plans are no longer available for new or renewing subscribers.

(N)  
(N)

**MEGALINK® 1.5 HIGH CAPACITY DIGITAL SERVICE (cont'd)****D. Term Pricing Plan (cont'd)**TPP Rates and Charges

Local Distribution Channel

- Per channel terminated on a customer's premises

<u>TPP</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Service Charge</u> <sup>/1/</sup>	
1 Year	1LDPJ	\$235.00	\$685.00	
2 Years <sup>/3/</sup>	1LDPJ	188.00	400.00	(C)
3 Years <sup>/3/</sup>	1LDPJ	150.00	200.00	(C)
5 Years <sup>/2/</sup>	1LDPJ	126.00	200.00	

Interoffice Channel Mileage

- Rate per V-H mile or fraction thereof, between serving wire centers, or between a serving wire center and digital hub.

<u>TPP</u>	<u>Mileage Band</u>	<u>USOC</u>	<u>Monthly Rates</u>		
			<u>Fixed</u>	<u>Per Mile</u>	
1 Year	0	3LBNA	None	None	
	Over 0	3LBNA	\$145.00	\$26.00	
2 Years <sup>/3/</sup>	0	3LBNA	None	None	(C)
	Over 0	3LBNA	110.00	24.00	
3 Years <sup>/3/</sup>	0	3LBNA	None	None	(C)
	Over 0	3LBNA	88.00	19.00	
5 Years <sup>/2/</sup>	0	3LBNA	None	None	
	Over 0	3LBNA	62.50	10.00	

/1/ For those customers who choose a TPP period of 2 years or greater in length, Service Charges will not apply for new service. However, customers requesting termination of service prior to the completion of a minimum 2 years or greater TPP, will become liable for full payment of Service Charges as described in E.5 preceding.

/2/ As of October 1, 2013, Term Pricing Plan terms greater than 36 months are no longer available for new or renewing subscribers.

/3/ As of January 15, 2021, 24 and 36 month Term Pricing Plans are no longer available for new or renewing subscribers. (N)  
(N)

**MEGALINK® 1.5 HIGH CAPACITY DIGITAL SERVICE (cont'd)****D. Term Pricing Plan (cont'd)**TPP Rates and Charges (cont'd)

Clear Channel Capability

- Per local distribution channel

<u>TPP</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Service Charge<sup>/1/</sup></u>	
1 Year	CLR	None	None	
2 Years <sup>/4/</sup>	CLR	None	None	(C)
3 Years <sup>/4/</sup>	CLR	None	None	(C)
5 Years <sup>/2/</sup>	CLR	None	None	

Central Office Multiplexing

- Per arrangement

	<u>USOC</u>	<u>Monthly Rates</u>				
		<u>1 Year</u>	<u>2 Years<sup>/4/</sup></u>	<u>3 Years<sup>/4/</sup></u>	<u>5 Years<sup>/2/</sup></u>	(C)
1.544 Mbps (DS1) to Voice	MQ1	\$230.00	\$225.00	\$203.75	\$192.75	
1.544 Mbps (DS1) to 64.0 kbps (DS0)	QMU	230.00	225.00	203.75	192.75	
64.0 kbps (DS0) to Subrate						
Up to twenty 2.4 kbps services	QSU24		135.00	135.00	135.00	
Up to ten 4.8 kbps services	QSU48		140.00	140.00	140.00	
Up to five 9.6 kbps services	QSU96		145.00	145.00	145.00	

**E. Volume Pricing Plan**

- When a customer terminates five or more MegaLink 1.5 Local Distribution Channels at a single location under a three<sup>/4/</sup> or five<sup>/2/</sup> year TPP, the customer may receive SecureNet upon request. (C)
- When a customer terminates ten or more MegaLink 1.5 Local Distribution Channels at a single location under either TPP, the customer may receive SecureNet upon request.
- When a customer terminates twenty or more MegaLink 1.5 Local Distribution Channels within a single LATA under either TPP, and the customer elects to purchase Network Reconfiguration Service<sup>/3/</sup>, NRS DS1 port monthly rates for Local Distribution Channels exceeding the minimum threshold of nineteen will not apply.

/1/ For those customers who choose a TPP period of 2 years or greater in length, Service Charges will not apply for new service. However, customers requesting termination of service prior to the completion of a minimum 2 years or greater TPP, will become liable for full payment of Service Charges as described in E.5 preceding.

/2/ As of October 1, 2013, Term Pricing Plan terms greater than 36 months are no longer available for new or renewing subscribers.

/3/ 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.

/4/ As of January 15, 2021, 24 and 36 month Term Pricing Plans are no longer available for new or renewing subscribers. (N)  
(N)

**MEGALINK® 1.5 HIGH CAPACITY DIGITAL SERVICE (cont'd)****F. Missouri School Discount Program**

## 1. General

- a. A discount from standard monthly rates for 1.544 Mbps service may be allowed in connection with service furnished through the Missouri School Discount Program, pursuant to the Video Instructional Development and Educational Opportunity Program, as enacted by the Missouri State Legislature.
- b. Upon the customer's request, a discount from standard monthly rates may be allowed to educational institutions within Company's certified area, as determined in c. following. Discounted rates are as specified in 'Rates and Charges' following.
- c. An educational institution shall be defined as an accredited public or private school in the State of Missouri. Private schools must be accredited by either the Missouri Chapter of the National Federation of non-Public Schools Accrediting Association, Independent Schools Association of the Central States, Accrediting Association of Bible Colleges, North Central Association of Colleges and Schools, Distance Education and Training Council, and/or the University of Missouri-Columbia. Public schools must be accredited by the Department of Elementary and Secondary Education for the State of Missouri and/or the North Central Association of Colleges and Schools.
- d. The qualifying discount will be permitted only on those rate elements listed in 'Rates and Charges' following. All other features, ancillary services or options relative to 1.544 Mbps service, shall continue to be billed at the appropriate Guidebook rate.
- e. The qualifying discount will be permitted only where the predominant use is providing educational and instructional programs and for the educational institution's administrative use. The discount is not allowed to residential complexes associated with the institution.
- f. In addition to meeting the qualification specified in c. preceding, an eligible customer must sign an affidavit certifying that the qualification is met. The affidavit will be retained on file with the Company.
- g. The customer should request to receive the discount on all subsequent additions of eligible services which are ordered. There will be no additional affidavits required.

## 2. Rates and Charges

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Service Charge</u>
Local Distribution Channel			
- per point of termination	1RSW1	\$121.50	\$685.00
	<u>USOC</u>	<u>Monthly Rates</u>	<u>Per Mile</u>
Interoffice Channel Mileage			
- rate per V-H mile or fraction thereof, per channel	JZ2WX	\$40.00	\$10.00

**SOUTHWESTERN BELL DS3 SERVICE****A. Description and Application of Services****1. General**

Southwestern Bell DS3 Service, hereinafter referred to as DS3 service, is an intraLATA dedicated high capacity channel that provides for the simultaneous two-way transmission of serial, bipolar, return-to-zero isochronous digital signals at a transmission speed of 44.736 Mbps. The interface to the customer will be an electrical signal. The channel design, performance and maintenance objectives are specified in Technical Reference Publications TR-INS-000342 and TP-76625.

The service is available in a point-to-point configuration between:

- Two customer-designated premises
- A customer-designated premises and a Company central office where multiplexing, hubbing or cross-connection functions are performed
- A customer-designated premises and a Company Network Reconfiguration Service (NRS)<sup>/1/</sup> (C) system location
- A customer-designated premises and a Company Transmission Resource Management (TRM) system location

**2. Regulations**

- (a) The regulations and rates specified herein are in addition to the applicable regulations found in other sections of the Company's Guidebook.

The services provided for Southwestern Bell DS3 Service are primarily designed to meet the private line communications requirements of business customers and the regulations herein reflect reasonable support on the part of the Company in assisting the customer in the ordering and provisioning of private line services.

The minimum period for which Southwestern Bell DS3 Service is provided and for which rates and charges are applicable is 12 months. When a service is discontinued prior to the expiration of the minimum period, termination charges are applicable for the remaining portion of the minimum period whether the service is used or not and will be based on the rates in effect for the service at the time of discontinuance. (See D. following)

- (b) Provision of Service

Southwestern Bell DS3 Service is available only on a point-to-point intraLATA basis to customers served by and within the service territories of the Company only. Southwestern Bell DS3 Service is furnished on a full-time basis (24 hours a day, seven days per week.)

Southwestern Bell DS3 Service can only be provided within the same LATA where existing digital facilities and equipment permit. Services between serving wire centers must have digital service components (digital connectivity) between all intermediate offices to have the ability to provide the service. Additional service features may be available only at selected central offices as determined by the Company.

/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)

**SOUTHWESTERN BELL DS3 SERVICE (cont'd)****A. Description and Application of Services (cont'd)**

## 2. Regulations (cont'd)

## (b) Provision of Service (cont'd)

Customer requests for Southwestern Bell DS3 Service may require construction of suitable service components. The regulations, rates and charges applicable to special construction are found in Part 15, Section 1, Paragraph D.4. Service availability will be negotiated locally.

Customer requests for special routing of Southwestern Bell DS3 Service channels are provided in accordance with Part 15, Section 1, Paragraph D.4.

The Company has the service responsibility up to the demarcation point. The demarcation point will be provided by the Company as set forth in Telcordia Technical Advisory GR-342-CORE. This publication provides transmission parameter limits and interface combinations for high capacity special access services (e.g., DS#), and may be obtained from:

Telcordia Technologies  
8 Corporate Place  
Piscataway, NJ 08854

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/landowner and agreed to by the Company.

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

Southwestern Bell DS3 Service may be terminated in a DS3 port of a Company-provided Network Reconfiguration Service (NRS) <sup>/1/</sup> arrangement at a designated NRS hub location. (C)  
Additional interoffice channel mileage may be incurred to route the Southwestern Bell DS3 Service to the hub location. The DS3 port on the NRS arrangement will be considered as a service point on the circuit. Refer to additional regulations concerning NRS found later in this Section.

## (c) Assignment or Transfer of Service

The service of a customer, or any rights associated therewith, may be assigned or transferred, with the customers consent, only under the following conditions:

1. There is no interruption or relocation of the service.
2. The assignee or transferee assumes all outstanding indebtedness for the service and the unexpired portion of the service period originally contracted for.
3. All regulations and conditions contained in this Guidebook shall apply to the assignee or transferee.

/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)

**SOUTHWESTERN BELL DS3 SERVICE (cont'd)****A. Description and Application of Services (cont'd)**

## 2. Regulations (cont'd)

## (d) Availability and Allowance for Interruptions

## 1. Southwestern Bell DS3 Service Not Available with SecureNet

Availability is a measure of the relative amount of time that a service is "usable" to the customer. For the purpose of Southwestern Bell DS3 Service, service is considered unavailable when 8 consecutive severely errored seconds (SESSs) are received. The service becomes available again when no SESSs are received for 8 consecutive seconds.

The availability objective for Southwestern Bell DS3 Service is 99.975% availability when averaged over three months.

The Company, in order to ensure the highest performance standards and service availability to the customer, offers the following service guarantee:

If a Southwestern Bell DS3 Service fails due to Company-provided equipment or facilities and the service is not restored to the customer within two hours of the outage report and the service is made available to the Company by the customer during those two hours, the customer will be credited for the full month of service on the following month's bill. This guarantee is subject to the following conditions:

- The monthly credit will be applied on a per circuit, per occurrence basis and will only be applied once during a month's period. Credits are not accumulative.
- The trouble cause must be isolated to Company-provided equipment.
- Trouble determined to be caused by customer-provided equipment, or trouble that clears without a positive determination as to cause, will not qualify for the service credit.
- The outage must be reported by the customer.
- There may be occasions when the service does not meet the required operating parameters, but due to business conditions the customer will not release the circuit for immediate testing. The service must be made available to the Company for testing and maintenance. The two-hour clock does not begin until the outage is reported by the customer and the service is made available by the customer to the Company for repair.
- On Southwestern Bell DS3 Service that uses central office multiplexing provided by the Company, the service credit applies only to the DS3 portion of the service, and will not apply to the derived channels nor to multiplexing using the Southwestern Bell DS3 Service.
- The service guarantee applies to recurring rates and charges for Southwestern Bell DS3 Service local distribution channels and interoffice channel mileage.
- On Southwestern Bell DS3 Service used with Network Reconfiguration Service (NRS) <sup>/1/</sup>, the service credit applies only to the Southwestern Bell DS3 Service portion (C) of the service, and will not apply to NRS.

/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)

**SOUTHWESTERN BELL DS3 SERVICE (cont'd)****A. Description and Application of Services (cont'd)**

## 2. Regulations (cont'd)

## (d) Availability and Allowance for Interruptions (cont'd)

## 2. Southwestern Bell DS3 Service Available with SecureNet

- Southwestern Bell DS3 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 Southwestern Bell DS3 Service equipped with SecureNet (e.g., a loop failure on a Southwestern Bell DS3 Service would receive credit after a 2.0 second interruption; an interoffice facility failure on the same service would be credited after four hours).
- For a Southwestern Bell DS3 Service equipped with SecureNet, the credit for a single service interruption greater than 2.0 seconds will be 50% of the recurring monthly rate for the applicable rate elements (e.g., Local Distribution Channel; Interoffice Channel Mileage, both fixed and per mile; and Multiplexing).

**B. Rate Configuration**

## 1. General

There are four basic rate elements that may apply to Southwestern Bell DS3 Service:

- Nonrecurring Charges
- Local distribution channel
- Interoffice channel mileage
- Additional service features

Rates and Charges will be applied based upon pricing zones. If the Channel Mileage crosses Pricing Zones (e.g., serving wire center 1 is in Pricing Zone 1 and serving wire center 2 is in Pricing Zone 2), the higher priced mileage rate will be applied to the entire channel mileage.

## 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 the Customer Connection Charge and they are applied as follows; The Administrative Charge applies any time a customer initiates an order for service. This charge applies once per customer order. The Design and Central Office Connection Charge applies to each service installed, and is charged once per circuit. The Customer Connection Charge applies to each service installed, and is charged once per Local Distribution Channel.

**SOUTHWESTERN BELL DS3 SERVICE (cont'd)****B. Rate Configuration (cont'd)**

## 2. Nonrecurring Charges (cont'd)

## (b) Service Rearrangements

Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in A.2.a preceding or a change in the physical location of the point of termination at a customer premises. Changes in physical location of the point of termination are treated as moves and the following nonrecurring charges apply; Administrative, Design and Central Office and Customer Connection.

All other service rearrangements will be charged for as follows: If a change involves a change of a customer of record and no physical relocation or rearrangements of the service are required, 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.

If a change involves a customer of record change (supercede) and no new physical relocation or rearrangement of the service is required, no charges apply and the new customer must assume liability for both current and prior charges for the service.

For all other charges which require physical work to be performed, one Design and Central Office Connection Charge and one Customer Connection Charge per LDC will apply. The Administrative Charge will also apply.

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.

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**SOUTHWESTERN BELL DS3 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.

Installation or Special Construction of facilities for a customer start 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.

**SOUTHWESTERN BELL DS3 SERVICE (cont'd)****B. Rate Configuration (cont'd)****3. Local Distribution Channel**

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.

**4. Interoffice Channel Mileage**

Interoffice channel mileage is defined as the component of the service between two Company serving wire centers, between a serving wire center and a Company-designated digital hub, or between digital or Company hubs. 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 interoffice channel charge and a per interoffice mileage charge which is based on the vertical and horizontal (V-H) distance between serving wire centers, a serving wire center and a digital hub, between 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 wire centers and designated digital and NRS hubs can be found in the National Exchange Carrier Association, Inc. (NECA) Wire Center Information Tariff.

**5. Additional Service Features****Central Office Multiplexing**

Central Office multiplexing is an arrangement which either converts an electrical DS3 channel to twenty-eight DS1 channels or converts twenty-eight DS1 channels to an electrical DS3 channel. Timing for the DS1 channels utilizes digital time division multiplexing.

Special routing may be required in order to provide this service.

**SOUTHWESTERN BELL DS3 SERVICE (cont'd)****B. Rate Configuration (cont'd)****3. Additional Service Features (cont'd)**SecureNet

Where available, SecureNet provides automatic restoration capabilities which prevent service interruption in the event of either a single facility break or a single loop electronics failure. This feature is called SecureNet. SecureNet is available with point-to-point Southwestern Bell DS3 Service only where fiber optic facilities are used to provide the Southwestern Bell DS3 Service.

The automatic restoration capabilities are provided through the use of intelligent components that 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 Southwestern Bell DS3 Service to the secondary transmission path within 2.0 seconds.

The secondary transmission path for Southwestern Bell DS3 Service equipped with SecureNet will be routed in a geographically separate fiber optic cable up to the nearest point to the customer's premises that route redundancy can be achieved. In the event a facility break occurs in that portion of the Southwestern Bell DS3 Service for which route redundancy could not be achieved (e.g., interoffice channel mileage), the Company cannot guarantee automatic restoration of the customer's service within 2.0 seconds, and a credit as set forth in A.2.d.2 preceding will not apply. In this case, the normal allowance for service interruptions applies as outlined in A.2.d.1 preceding.

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 service interval will be within two years from the date of customer request for service or the agreed upon date if special construction applies.

The SecureNet feature provided is loop protection. This feature provides automatic restoration of the Southwestern Bell DS3 Service local distribution channel and physical route redundancy from the customer's premises to the customer's serving wire center in the event of a single loop failure.

Rollover

A Rollover is a customer-initiated move that involves a change of a point of termination from an existing lower-speed service to Southwestern Bell DS3 Service within the same customer premises.

**SOUTHWESTERN BELL DS3 SERVICE (cont'd)****C. Rates and Charges**

## 1. Nonrecurring Charges

	<u>USOC</u>	<u>Nonrecurring Charge</u>
Administrative Charge <sup>/1/</sup>		
- per order		
Zone 1	NRBA1	\$125.00
Zone 2	NRBA2	125.00
Zone 3	NRBA3	125.00
Design and Central Office Connection Charge <sup>/1/</sup>		
- per circuit		
Zone 1	NRBD1	500.00
Zone 2	NRBD2	500.00
Zone 3	NRBD3	500.00
Customer Connection Charge <sup>/1/</sup>		
- per termination		
Zone 1	NRBB1	750.00
Zone 2	NRBB2	750.00
Zone 3	NRBB3	750.00

/1/ For customers ordering new DS3 service who choose a Term Payment Plan (TPP) period of 2 Years or greater in length, the Administrative Charge, the Design and Central Office Connection Charge and Customer Connection Charge will not apply. However, customers requesting termination of service prior to the completion of a minimum of 2 Years of a 2 Year or greater TPP term will become liable for payment of Nonrecurring Charges described above.

**SOUTHWESTERN BELL DS3 SERVICE (cont'd)****C. Rates and Charges (cont'd)**

## 2. Recurring Rates

	<u>USOC</u>	<u>1 Year</u>	<u>Monthly Rates</u>			<u>Monthly Extension</u>
		<u>2 Year<sup>/2/</sup></u>	<u>3 Year<sup>/2/</sup></u>	<u>5 Year<sup>/1/</sup></u>		
Local Distribution Channel						
- per channel terminated on a customer's premises						
Zone 1	TZUP1	\$1,950.00	\$1,500.00	\$1,200.00	\$975.00	\$21,267.00 (I)
Zone 2	TZUP2	2,100.00	1,620.00	1,300.00	1,050.00	22,059.00 (I)
Zone 3	TZUP3	2,250.00	1,740.00	1,400.00	1,125.00	24,424.00 (I)
Interoffice Channel Mileage						
- Fixed						
Zone 1	CZ4X1	725.00	620.00	550.00	500.00	8,662.00 (I)
Zone 2	CZ4X2	750.00	645.00	575.00	525.00	9,445.00 (I)
Zone 3	CZ4X3	775.00	670.00	600.00	550.00	10,240.00 (I)
- Variable						
Rate per V-H mile, or fraction thereof, between serving wire centers, or between a serving wire center and digital hub						
Zone 1	1YZX1	100.00	82.00	70.00	45.00	1,335.00 (I)
Zone 2	1YZX2	105.00	87.00	75.00	50.00	1,527.00 (I)
Zone 3	1YZX3	110.00	92.00	80.00	55.00	1,726.00 (I)

## 3. Additional Service Features

Central Office Multiplexing						
- DS3 to DS1						
Zone 1	QM3X1	725.00	605.00	525.00	475.00	1,050.00
Zone 2	QM3X2	750.00	630.00	550.00	500.00	1,150.00
Zone 3	QM3X3	775.00	655.00	575.00	525.00	1,250.00

		<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	<u>USOC</u>
SecureNet				
- Per local distribution channel		\$0.00	\$0.00	P7T

/1/ As of October 1, 2013, Term Pricing Plan terms greater than 36 months are no longer available for new or renewing subscribers.

/2/ As of January 15, 2021, 24 and 36 month Term Pricing Plans are no longer available for new or renewing subscribers.

**SOUTHWESTERN BELL DS3 SERVICE (cont'd)****D. Term Pricing Plan**

The Term Pricing Plan (TPP) provides the customer with rate stabilization and discounted rates. The Term Pricing Plan provides for one, two<sup>/3/</sup>, three<sup>/3/</sup>, or five<sup>/1/</sup> year rate stabilization. Decreases in monthly recurring rates will be passed on to customers who participate in a Term Pricing Plan. The Company will notify customers participating in a Term Pricing Plan when monthly rates are decreased. (C)

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

The customer may choose to terminate an existing Term Pricing Plan before the end of the one, two<sup>/3/</sup>, three<sup>/3/</sup> or five<sup>/1/</sup> year period and negotiate a new one, two, three or five<sup>/1/</sup> year Term Pricing Plan. The new TPP must be based upon the rates that are currently in effect and available to all customers. (C)

The customer must provide the Company with a written notice of intent to renew a Term Pricing Plan no later than 90 days prior to its expiration. If a customer chooses to renew a Term Pricing Plan, the monthly rates for the new TPP selected will be at the current rates in effect for new customers. If the customer elects not to renew the Term Pricing Plan, or does not notify the Company of the customer's intent to renew the Term Pricing Plan, the service will automatically be billed under the Monthly Extension rate in effect at the time the Term Pricing Plan expires.

Any special construction charges incurred for services billed under a Term Pricing Plan will be applicable as provided for in Part 15, Section 1, Paragraph D.4.

During a customer's TPP term, conversion may be made to a new TPP term of the same or different length or to a higher speed service, if the expiration date for the new service or TPP term is beyond the end of the original TPP term. The new TPP term becomes effective upon execution. No credit for months under the previous TPP may be transferred to the new TPP. The customer incurs no liability for the remaining months on the original TPP, since the change is not considered a termination of service. The prices applicable for the new term are those currently in effect for new customers.

During a TPP term a customer may move one Local Distribution Channel (LDC) of DS3 Service to another location in the same LATA and keep the TPP in force, provided no lapse in service occurs. The customer must have met a 12 month minimum in-service period at the old location and be liable for at least 12 months remaining at the new location. Nonrecurring Charges, as appropriate, will apply.

During a customer's TPP term, a customer may elect to include DS3 Service into the customer's Network Reconfiguration Service (NRS)<sup>/2/</sup> database. The customer may opt to convert to a new TPP term of the same or different length or to continue the current TPP term to the original expiration date. If the expiration date for the new TPP term is beyond the end of the original TPP term, termination charges for the original term will not apply. Adding an existing service to the customer's NRS database requires that all nonrecurring charges applicable to the installation of the service apply.

/1/ As of October 1, 2013, Term Pricing Plan terms greater than 36 months are no longer available for new or renewing subscribers.

/2/ Effective October 30, 2018, Network Reconfiguration Service (NRS) will no longer be available for purchase by new or existing customers. See Part 20, Section 15.

/3/ As of January 15, 2021, 24 and 36 month Term Pricing Plans are no longer be available for new or renewing subscribers. (N)  
(N)

**SOUTHWESTERN BELL DS3 SERVICE (cont'd)****D. Term Pricing Plan (cont'd)**

If the customer terminates the Term Pricing Plan agreement prior to the expiration of the one, two<sup>/2/</sup>, three<sup>/2/</sup>, or five<sup>/1/</sup> year TPP, the customer shall pay a termination charge. TPPs terminated as a result of a re-negotiation are excluded from termination charges. Payment of the termination charge does not release the customer from other previous amounts owed to the Company. (C) (C)

The termination charge for all service terms will be calculated as follows:

For service terms that become effective on or after October 1, 2004:

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

For service terms in effect prior to October 1, 2004:

If a customer cancels a Service Order or terminates service before the completion of the term, the customer agrees to pay the Company termination liability charges, which are defined below. These charges shall become due and owing as of the effective date of the cancellation or termination.

In addition to any special construction liabilities, customer termination liability for cancellation of a DS3 Service shall be equal to the lesser of:

- All credits issued and charges waived in association with a new connection plus the number of months the customer had the DS3 service (12 months minimum as noted in Paragraph A.2.a) times the difference between the rate for the highest completed term and the rate for the term contracted for, or
- The remaining minimum contract obligation.

/1/ As of October 1, 2013, Term Pricing Plan terms greater than 36 months are no longer available for new or renewing subscribers.

/2/ As of January 15, 2021, 24 and 36 month Term Pricing Plans are no longer available for new or renewing subscribers.

(N)  
(N)

**OC-N POINT-TO-POINT SERVICE****A. Description and Application of Services****1. General**

OC-n Point-to-Point Service (OC-n) provides high-speed synchronous optical fiber-based full duplex data transmission capabilities. OC-n channels may be either channelized (non-concatenated) or non-channelized (concatenated) designated as OC-*nc*. This service provides optical data transmission with the following characteristics:

- OC-3/OC-3c Service provides channels operating at the terminating bit rate of 155.52 Mbps
- OC-12/OC-12c Service provides channels operating at the terminating bit rate of 622.08 Mbps
- OC-48/OC-48c Service provides channels operating at the terminating bit rate of 2488.32 Mbps
- OC-192/OC-192c Service provides channels operating at the terminating bit rate of 9953.28 Mbps

OC-n channels may be used to connect:

- A customer-designated premises to another customer-designated premises.
- A customer-designated premise to a Company location where Add/Drop Multiplexing, Add/Drop Functions and/or cross-connections are performed.

OC-n Service channels may be connected by:

- Using the appropriate OC-n Add/Drop Multiplexer (mux) along with the add/drop function to a Megalink 1.5 High Capacity Service and/or Southwestern Bell DS3 Service at suitably equipped wire centers, i.e. non-concatenated; or
- Using the full bandwidth premises to premises, i.e. concatenated.

**2. Definitions****Interoffice Transport**

Provides the transmission paths between Serving Wire Centers associated with two customer-designated premises or between a Serving Wire Center associated with a customer premises and a Company Hub location. Four interoffice transport types are available: OC-3 which supports a bit rate of 155.52, OC-12 transport at the 622.08 bit rate, OC-48 transport at a bit rate of 2488.32 and OC-192 at a bit rate of 9953.28.

**Local Distribution Channel**

Provides optical interconnection between a Company Serving Wire Center (SWC) and the customer premises.

**OC-n Add/Drop Multiplexing**

An arrangement that allows an OC-n channel operating at a terminating speed of 155.52 Mbps, 622.08 Mbps, 2488.32 Mbps and 9953.28 Mbps respectively, to add/drop a lower speed channel by using this feature along with the Add/Drop Function.

**SONET (Synchronous Optical Network)**

Set of international standards for fiber optic based transmission systems. SONET defines standard optical carrier transmission rates and utilizes a modular multiplexing approach based on the application of Synchronous Transport Signals (STS).

**OC-N POINT-TO-POINT 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.

The services provided for OC-n Point-to-Point 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.

## 4. Provision of Service

- a. OC-n Point-to-Point Service is available only on a point-to-point intraLATA basis to customers served by and within the service territories of the Company only.
- b. OC-n Point-to-Point Service is furnished on a full-time basis (24 hours a day, seven days per week.)
- c. OC-n Point-to-Point Service can only be provided within the same LATA where existing facilities and equipment permit. Services between serving wire centers must have appropriate service components between all intermediate offices to have the ability to provide the service. Additional service features may be available only at selected central offices as determined by the Company.
- d. Customer requests for OC-n Point-to-Point Service may require construction of suitable service components. The regulations, rates and charges applicable to special construction are found in Part 15, Section 1, Paragraph D.4. Service availability will be negotiated locally.
- e. The customer is responsible via the ordering process to identify what STS signal configuration is to be contained in each OC-n service connection and each STS-1 and STS-3 payload content. This information is needed for routing and connection purposes in the network.
- f. When OC-n Point-to-Point Service is provided, the customer is responsible for providing the Optical Line Termination (OLT) at the customer's premises. The OLT supplied at the customer premises must be compatible with the OLT used by the Company in the Serving Wire Center.
- g. All LDCs comprising a channel must have the same terminating bit rate unless multiplexing is performed at a Company Hub location.
- h. The options in Add/Drop Multiplexing and Add/Drop Function cannot be used with OC-n Point-to-Point Service configured by the customer to contain a single nonchannelized (concatenated) STS-3C or STS-12C signal, respectively.

**OC-N POINT-TO-POINT SERVICE (cont'd)****A. Description and Application of Services (cont'd)**

## 4. Provision of Service (cont'd)

- i. When ordering the 1+1 Protection with Route Survivability option:
  - The protect fiber will be charged on a distance sensitive basis, based on quarter route miles, from the customer premises to the serving wire center
  - Prior to confirming an order for service, the Company will provide a proposed route diagram to the customer. The diagram will include the number of quarter route miles and method used to support the number needed to provide the alternate route or route to the alternate wire center. In order to avoid compromising Route Survivability information, the Company will provide this information only to the ordering customer.
  - Installation of the 1+1 Protection with Route Survivability option will not begin until the customer has accepted the proposed routing by the Company.

## 5. Allowance for Interruptions

A credit allowance will be given for interruptions of service. Refer to Part 15, Section 1, Paragraph D.4 for calculating credit allowances.

*1+1 Protection with Route Survivability and OC-n Point-to-Point Diversity*

Any service interruption will result in a credit equal to one month's bill for the circuit involved. If the interruption occurs on a Local Distribution Channel without this option, normal terms and conditions for Credit Allowances as noted above will apply.

## 6. Assignment or Transfer of Service

The service of a customer, or any rights associated therewith, may be assigned or transferred, with the customer's consent, only under the following conditions:

- There is no interruption or relocation of the service.
- The assignee or transferee assumes all outstanding indebtedness for the service and the unexpired portion of the service period originally contracted for.
- All regulations and conditions contained in this Guidebook shall apply to the assignee or transferee.

## 7. Service Configuration

OC-n Point-to-Point Service, based on customer requirements, can be configured in any of the following ways:

## a. OC-3

1. Three STS-1 (Synchronous Transport Signals) channels which each contain:
  - One DS3 that is STS-1 mapped
  - Up to 28 DS1s that are VT-mapped
  - An STS-1 channel without constraint to payload mapping when the STS-1 channel does not terminate via an Add/Drop Function to DS1 or DS3 services within the Company's network
2. A single concatenated STS-3C channel
3. 1 Gbps Ethernet STS-1, 1v-2v

**OC-N POINT-TO-POINT SERVICE (cont'd)****A. Description and Application of Services (cont'd)**

## 7. Service Configuration (cont'd)

## b. OC-12

1. Twelve STS-1 channels which each contain:
  - One DS3 that is STS-1 mapped
  - Up to 28 DS1s that are VT-mapped
  - An STS 1 channel without constraint to payload mapping when the STS-1 channel does not terminate via an Add/Drop Function to DS1 or DS3 services within the Company's network
2. Four concatenated STS-3C channels
3. From one to three STS-3C channels mixed with from three to nine STS-1 channels subject to utilization of the total OC-12 capacity
4. A single concatenated STS-12C channel
5. 1 Gbps Ethernet STS-1, 1v-9v
6. 1 Gbps Ethernet STS-3c, 1v-3v

## c. OC-48

1. Forty-eight STS-1 channels which each contain:
  - One DS3 that is STS-1 mapped;
  - Up to 28 DS1s that are VT-mapped;
  - An STS-1 channel without constraint to payload mapping when the STS-1 channel does not terminate via an Add/Drop Function to DS1 or DS3 services within the Company's network;
2. Sixteen concatenated STS-3C channels:
  - From one to fifteen concatenated STS-3C channels mixed with from three to forty-five STS-1 channels subject to utilization of the total OC-48 capacity;
3. Four concatenated STS-12C channels:
  - From one to three concatenated STS-12C channels mixed with from twelve to thirty-six STS-1 channels subject to utilization of the total OC-48 capacity;
  - From one to three concatenated STS-12C channels mixed with from four to twelve concatenated STS-3C channels, also mixed with from three to thirty-three STS-1 channels subject to utilization of the total OC-48 capacity.
  - From one to three concatenated STS-12C channels mixed with from one to eleven concatenated STS-3C channels, also mixed with from three to thirty-three STS-1 channels subject to utilization of the total OC-48 capacity.
4. 1 Gbps Ethernet STS-1, 1v-21v
5. 1 Gbps Ethernet STS-3c, 1v-7v

**OC-N POINT-TO-POINT SERVICE (cont'd)****A. Description and Application of Services (cont'd)**

## 7. Service Configuration (cont'd)

## d. OC-192

1. One hundred ninety two interleaved STS-1 channels which each contain:
  - One DS3 that is STS-1 mapped;
  - Up to 28 DS1s that are VT-mapped;
  - An STS-1 channel without constraint to payload mapping when the STS-1 channel does not terminate via an Add/Drop Function to DS1 or DS3 services within the Company's network;
2. Sixty four interleaved concatenated STS-3C channels:
  - From one to sixty three interleaved concatenated STS-3C channels mixed with from three to one hundred and eighty nine STS-1 channels, subject to utilization of the total STS-192 capacity;
3. Sixteen interleaved concatenated STS-12C channels:
  - From one to fifteen interleaved concatenated STS-12C channels mixed with from twelve to one hundred and eighty STS-1 channels subject to utilization of the total STS-192 capacity;
  - From one to fifteen interleaved concatenated STS-12C channels mixed with from four to sixty concatenated STS-3C channels subject to utilization of the total STS-192 capacity;
  - From one to fifteen interleaved concatenated STS-12C channels mixed with from one to fifty nine concatenated STS-3C channels, also mixed with from three to one hundred and seventy seven STS-1 channels subject to utilization of the total STS-192 capacity.
4. Four interleaved concatenated STS-48C channels:
  - From one to three interleaved concatenated STS-48C channels mixed with from forty eight to one hundred and forty four STS-1 channels subject to utilization of the total STS-192 capacity;
  - From one to three interleaved concatenated STS-48C channels mixed with from sixteen to forty eight STS-3c channels subject to utilization of the total STS-192 capacity;
  - From one to three interleaved concatenated STS-48C channels mixed with from four to twelve STS-12c channels subject to utilization of the total STS-192 capacity;
  - From one to three interleaved concatenated STS-48C channels mixed with from one to forty seven concatenated STS-3C channels, also mixed with from three to one hundred and forty one STS-1 channels subject to utilization of the total STS-192 capacity.
  - From one to three interleaved concatenated STS-48C channels mixed with from one to eleven concatenated STS-12C channels, also mixed with from twelve to one hundred and thirty two STS-1 channels subject to utilization of the total STS-192 capacity.
  - From one to three interleaved concatenated STS-48C channels mixed with from one to eleven concatenated STS-12C channels, also mixed with from four to forty four concatenated STS-3c channels subject to utilization of the total STS-192 capacity.
  - From one to three interleaved concatenated STS-48C channels mixed with from one to eleven concatenated STS-12C channels, also mixed with from three to one hundred and twenty nine STS-1 channels subject to utilization of the total STS-192 capacity.

**OC-N POINT-TO-POINT SERVICE (cont'd)**

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

7. Service Configuration (cont'd)

d. OC-192 (cont'd)

5. 1 Gbps Ethernet STS-1, 1v-21v

6. 1 Gbps Ethernet STS-3c, 1v-7v

e. OC-n

The customer is responsible via the ordering process to identify what STS signal configuration is to be contained in each OC-n Point-to-Point service connection and each STS-1, STS-3 and/or STS-12 payload content. This information is needed for routing and connection purposes in the network.

**OC-N POINT-TO-POINT SERVICE (cont'd)****A. Description and Application of Services (cont'd)****8. Technical Specifications**

The technical specifications for OC-n Point-to-Point Service are described in Technical Reference AM-TR-NIS-000111. The Company will work cooperatively with the customer to select compatible Optical Line Terminations (OLTs) which conform to the requirements set forth in Technical Reference Publication AM-TR-TMO-000101.

The network channel interfaces define the bit rates that are available for OC-n Point-to-Point Services operating at speeds of 155.52 Mbps and 622.08 Mbps, 2488.32 Mbps and 9953.28 Mbps respectively. Network Channel interfaces and codes are described in Ameritech Technical Publication AM-TR-TMO-000080.

<u>Subject</u>	<u>Technical Reference</u>
Ameritech Service's Network Channel and Network Channel Interface Codes	AM-TR-TMO-000080
Ameritech Digital Service Transmission Parameters	AM-TR-TMO-000101
Ameritech OC-3/OC-3c, OC-12/OC-12c, OC-48/OC-48c and OC-192/OC-192c Service Interface Specifications	AM-TR-NIS-000111
Synchronous Optical Network (SONET) Transport Systems: Common Generic Criteria	Telcordia Technologies GR-253-CORE, Issue 4

The Technical Reference can be obtained from:

APEX Support Team  
(734) 523-7348

The Telcordia Technologies document can be obtained from:

Telcordia Technologies  
One Telcordia Drive, RRC 1B-180  
Piscataway, New Jersey 08854

**OC-N POINT-TO-POINT SERVICE (cont'd)****B. Rate Configuration**

## 1. General

There are four basic rate elements that may apply to OC-n Point-to-Point Service:

- Nonrecurring Charges
- Local Distribution Channel (LDC)
- Interoffice Transport (which consists of a combination of Channel Mileage and Channel Mileage Terminations)
- Optional Features and Functions

## 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 the Customer Connection Charge. The Administrative Charge applies any time a customer initiates an order for service. This charge applies once per customer order. The Design and Central Office Connection Charge applies to each service installed, and is charged once per circuit. The Customer Connection Charge applies to each service installed, and is charged once per customer termination.

## 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. Changes in physical location of the point of termination are treated as moves and the following nonrecurring charges apply; Administrative, Design and Central Office and Customer Connection.

Service rearrangements will be charged as follows:

- If a change involves the rearrangement of an OC-n Point-to-Point Service (nonchannelized) to an arrangement with an Add/Drop Multiplexer and an Add/Drop Function or vice-versa, an Administrative Charge, Design and Central Office Connection Charge and Customer Connection Charge will apply.
- A change in payload mapping within an OC-n package will require a redesign of the OC-n Point-to-Point Service, and an Administrative Charge and Design and Central Office Connection Charge will apply.

## 3. Local Distribution Channels (LDCs) provide optical interconnection between a Company Serving Wire Center (SWC) and the customer premises. LDCs are available at terminating bit rates of 155.52 Mbps, 622.08 Mbps, 2488.32 Mbps and 9953.28 Mbps. LDCs are provided in 4 fiber loop format in a synchronous data transmission format. Rates and charges apply per LDC termination at a customer's premises.

**OC-N POINT-TO-POINT SERVICE (cont'd)****B. Rate Configuration (cont'd)**

4. Interoffice Transport facilities, comprised of Channel Mileage Termination (CMT) and Channel Mileage (CM), provide the transmission paths between Serving Wire Centers associated with two customer-designated premises or between a Serving Wire Center associated with a customer premises and a Company Hub location. Four interoffice transport types are available: OC-3 transport at a bit rate of 155.52 Mbps, OC-12 transport at a bit rate of 622.08 Mbps, OC-48 transport at a bit rate of 2488.32 Mbps and OC-192 at a bit rate of 9953.28 Mbps.

OC-3/OC-3c LDCs are interconnected to OC-3 transport, OC-12/OC-12c LDCs are interconnected to OC-12 transport, OC-48/OC-48c LDCs are interconnected to OC-48 transport and OC-192/OC-192c LDCs are interconnected to OC-192 transport.

In addition, interoffice transport can be connected between wire centers with Add/Drop Multiplexing at a lower OC-n speed than the LDC, if the transport is between a lower speed Add/Drop Function and:

- another lower speed Add/Drop Function
- another lower speed Local Distribution Channel
- a lower speed Dedicated Ring Port

All of the above terminations must be the same speed as the transport.

5. Optional Features

- a. OC-n Add/Drop Multiplexing

An arrangement that allows an OC-n channel operating at a terminating speed of 155.52 Mbps, 622.08 Mbps, 2488.32 Mbps and 9953.28 Mbps respectively, to add/drop a lower speed channel by using this feature along with the Add/Drop Function as stated below.

OC-3 Add/Drop Multiplexing at a Company wire center will provide the capability to support the full Add/Drop Function capacity of OC-3 Service bandwidth with up to three DS3 Add/Drop Functions or equivalently up to three groups of 28 DS1 Add/Drop Functions.

OC-12 Add/Drop Multiplexing at a Company wire center will provide the capability to support the full Add/Drop Function capacity of OC-12 Service bandwidth with up to four OC-3 Add/Drop Functions or up to twelve DS3 Add/Drop Functions or equivalent combinations of OC-3 and DS3.

OC-48 Add/Drop Multiplexing at a Company wire center will provide the capability to support one quarter of the Add/Drop Function capacity of OC-48 Service bandwidth. Up to four OC-48 Add/Drop Multiplexing options may be provided with each supporting one OC-12 Add/Drop Function, or up to four OC-3 Add/Drop Functions or up to twelve DS3 Add/Drop Functions or equivalent combinations of OC-3 and DS3 Add/Drop Functions.

OC-192 Add/Drop Multiplexing at a Company wire center will provide the capability to support full Add/Drop Function capacity of OC-192 Service bandwidth. Up to four OC-48 Add/Drop Multiplexing options, or up to 16 OC-12 add/drop functions, or up to 64 OC-3 add/drop functions or equivalent combinations of OC-48, OC-12 and OC-3 add/drop functions may be provided.

**OC-N POINT-TO-POINT SERVICE (cont'd)****B. Rate Configuration (cont'd)**5. Optional Features (cont'd)

## b. Add/Drop Function

OC-n Point-to-Point Service is able to add or drop lower level signals as shown in the matrix following. The Add/Drop Function is offered at a circuit level. For example, if a customer wants to drop one DS3 signal from an OC-12 service, one Add/Drop Function charge for the DS3 would be applicable, in addition to the OC-12 Add/Drop Multiplexing charge.

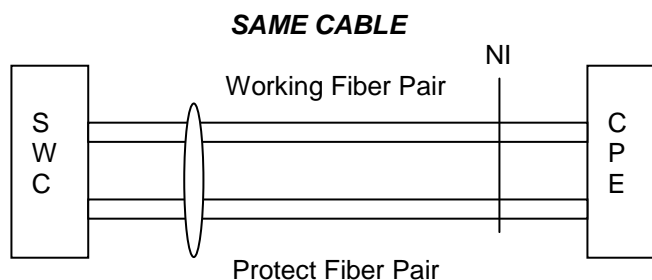
An OC-n Point-to-Point Service is only able to add or drop the services that have been identified by payload content (mapped) within the bandwidth. DS1 mapped STS-1 signals are only able to connect to a DS1, and DS3 mapped STS-1 signals are only able to connect to a DS3. If a change is required it may be accomplished by the customer's CPE or through the current asynchronous environment for multiplexing of DS3 and DS1 Services.

## Add/Drop Function

	DS1	DS3	OC-3	OC-12	OC-48	1000BaseLX
OC-192	No <sup>/1/</sup>	Yes <sup>/2/</sup>	Yes	Yes	Yes	Yes
OC-48	No <sup>/1/</sup>	Yes	Yes	Yes	NA	Yes
OC-12	Yes	Yes	Yes	NA	NA	Yes
OC-3	Yes	Yes	NA	NA	NA	Yes

## c. 1+1 Protection

The base OC-n Point-to-Point Service is offered with four fibers in the same cable, but the protection card will only be activated when this option is ordered. This will allow customers to order protection if their CPE can accommodate it.



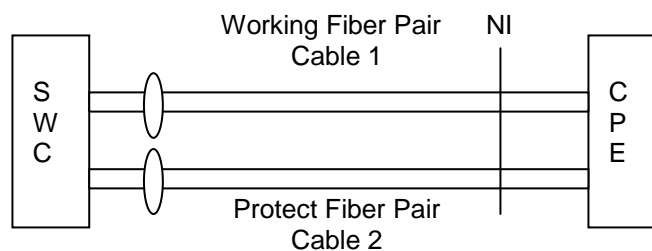
/1/ To add/drop a DS1 from an OC-12 and/or OC-48, an intermediate step at either OC-3 or DS3 must be taken. To add/drop a DS1 from an OC-192, an intermediate step at OC-48 must be taken.

/2/ Only the first 24 DS3s will be dropped directly off an OC-192, the 25th DS3 requires an OC-3, OC-12 or OC-48 subtended shelf.

**OC-N POINT-TO-POINT SERVICE (cont'd)****B. Rate Configuration (cont'd)**5. Optional Features (cont'd)

## d. 1+1 Protection with Cable Survivability

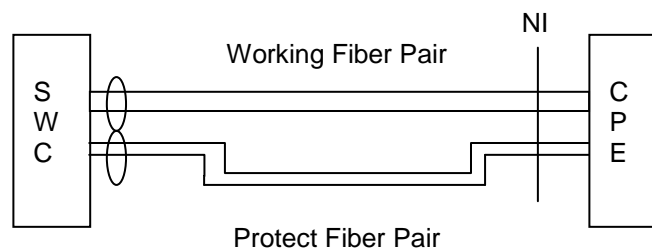
This option will provide 1+1 protection and additional loop survivability with the working fiber pair and protect fiber pair placed in separate cables within the same conduit.

***DIFFERENT CABLE***

## e. 1+1 Protection with Route Survivability

This option will provide 1+1 protection and offer additional protection from fiber cable cuts by routing the working fiber pair via the primary route and the protect fiber pair via a physically diverse alternate route.

This option will also assure 100 percent availability of the service. Any service interruption will result in a credit allowance as described in the Credit Allowances paragraph preceding.

***DIFFERENT PHYSICAL PATH***

**OC-N POINT-TO-POINT SERVICE (cont'd)****B. Rate Configuration (cont'd)**5. Optional Features (cont'd)

## f. Point-to Point Regenerator

Regenerators provide essential detection and retransmission of SONET Optical 2488.32 Mbps or 9953.28 Mbps signals between customer premises. Regenerators will only be provided as required by the Company when actual fiber facility distances between customer designated premises and/or central office locations exceed design limits (typically 25 to 30 miles). Regenerators will be located exclusively in Company central offices.

## g. OC-n Point-to-Point Diversity

This option will provide the ability to protect a single circuit end-to-end, providing two completely diverse (or separate) paths through the Company's network. The circuit will have separate optical connections in the Central Office and between interoffice facility systems. The two paths will be designed and provisioned separately such that neither path will follow the same routes, thus providing continued service should a network fault occur in one of the paths. This feature requires the additional provision of 1+1 Protection with Route Survivability.

## h. Ethernet over SONET (EoS)

EoS allows the efficient transport of Ethernet frames using SONET. Ethernet Optical Add/Drop capability will be available in bandwidths up to 1 Gbps on an OC-n Point-to-Point Service. As SONET bandwidths will be preset, the customer will be unable to transmit data beyond these preset SONET bandwidths. Only single-mode fiber is available in the Central Office. The EoS line rates are based on the theoretical SONET payload line rates as specified in Telcordia Publication GR-253-CORE, Issue 4. These values are not representative of the true Ethernet transport capacity of the EoS circuit.

**OC-N POINT-TO-POINT SERVICE (cont'd)****C. Rate and Charges**

## Nonrecurring Charges

	<u>USOC</u>	<u>Nonrecurring Charge</u>
Administrative Charge, per service order		
- OC-3/OC-3c Service 155.52 Mbps	NHCP1	ICB
- OC-12/OC-12c Service 622.08 Mbps	NHCP1	ICB
- OC-48/OC-48c Service 2488.32 Mbps	NHCP1	ICB
- OC-192/OC-192c Service 9953.28 Mbps	NHCP1	ICB
Design and Central Office Connection Charge, per circuit		
- OC-3/OC-3c Service 155.52 Mbps	NHCP2	ICB
- OC-12/OC-12c Service 622.08 Mbps	NHCP2	ICB
- OC-48/OC-48c Service 2488.32 Mbps	NHCP2	ICB
- OC-192/OC-192c Service 9953.28 Mbps	NHCP2	ICB
Customer Connection Charge, per termination		
- OC-3/OC-3c Service 155.52 Mbps	NHCP3	ICB
- OC-12/OC-12c Service 622.08 Mbps	NHCP3	ICB
- OC-48/OC-48c Service 2488.32 Mbps	NHCP3	ICB
- OC-192/OC-192c Service 9953.28 Mbps	NHCP3	ICB

**OC-N POINT-TO-POINT SERVICE (cont'd)****C. Rate and Charges (cont'd)**

## Recurring Rates

	<u>USOC</u>	<u>Monthly Rate</u>
Local Distribution Channel		
- per point of termination		
- OC-3/OC-3c	1RSOX	ICB
- OC-12/OC-12c	1RSOX	ICB
- OC-48/OC-48c	1RSOX	ICB
- OC-192/OC-192c	1RSOX	ICB
Channel Mileage Termination		
- per point of termination		
- OC-3	CM6	ICB
- OC-12	CM6	ICB
- OC-48	CM6	ICB
- OC-192	CM6	ICB
Channel Mileage, per mile		
- per point of termination		
- OC-3	JZ4WS	ICB
- OC-12	JZ4WS	ICB
- OC-48	JZ4WS	ICB
- OC-192	JZ4WS	ICB
<u>Optional Features</u>		
Add/Drop Multiplexing		
- per arrangement		
- OC-3	MPECX	ICB
- OC-12	MPEDX	ICB
- OC-48	MPRFX	ICB
- OC-192	MPRGX	ICB

**OC-N POINT-TO-POINT SERVICE (cont'd)****C. Rate and Charges (cont'd)**

Recurring Rates (cont'd)

Optional Features (cont'd)

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Add/Drop Function			
OC-3 Service			
- Per DS3 Add or Drop	MXJBX	ICB	ICB
- Per DS1 Add or Drop	MXJAX	ICB	ICB
- Per 1000BaseLX Ethernet	MX4LX	ICB	ICB
OC-12 Service			
- Per OC-3 Add or Drop	MXJCX	ICB	ICB
- Per DS3 Add or Drop	MXJBX	ICB	ICB
- Per 1000BaseLX Ethernet	MX4LX	ICB	ICB
OC-48 Service			
- Per OC-12 Add or Drop	MXJEX	ICB	ICB
- Per OC-3 Add or Drop	MXJCX	ICB	ICB
- Per DS3 Add or Drop	MXJBX	ICB	ICB
- Per 1000BaseLX Ethernet	MX4LX	ICB	ICB
OC-192 Service			
- Per OC-48 Add or Drop	MXJFX	ICB	ICB
- Per OC-12 Add or Drop	MXJEX	ICB	ICB
- Per OC-3 Add or Drop	MXJCX	ICB	ICB
- Per 1000BaseLX Ethernet	MX4LX	ICB	ICB
1+1 Protection			
- Per OC-3/OC-3c LDC	P8T	ICB	ICB
- Per OC-12/OC-12c LDC	P8T	ICB	ICB
- Per OC-48/OC-48c LDC	P8T	ICB	ICB
- Per OC-192/OC-192c LDC	P8T	ICB	ICB
1+1 Protection with Cable Survivability			
- Per OC-3/OC-3c LDC	P3S	ICB	ICB
- Per OC-12/OC-12c LDC	P3S	ICB	ICB
- Per OC-48/OC-48c LDC	P3S	ICB	ICB
- Per OC-192/OC-192c LDC	P3S	ICB	ICB

**OC-N POINT-TO-POINT SERVICE (cont'd)****C. Rate and Charges (cont'd)**

Recurring Rates (cont'd)

Optional Features (cont'd)

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
1+1 Protection with Route Survivability			
- Per OC-3/OC-3c LDC	P8T	ICB	Apply P8T preceding plus 'Per Quarter Route Mile' below
- Per OC-12/OC-12c LDC	P8T	ICB	
- Per OC-48/OC-48c LDC	P8T	ICB	
- Per OC-192/OC-192c LDC	P8T	ICB	
Per Quarter Route Mile			
- OC-3	S2DXY	ICB	ICB
- OC-12	S2DXY	ICB	ICB
- OC-48	S2DXY	ICB	ICB
- OC-192	S2DXY	ICB	ICB
Point-to-Point Regenerator			
- Per OC-48 regenerator	RGY48	None	ICB
- Per OC-92 regenerator	RGY92	None	ICB
OC-n Point-to-Point Diversity <sup>/1/</sup>			
- Per OC-3 Circuit	CPAPA	ICB	None
- Per OC-12 Circuit	CPAPB	ICB	None
- Per OC-48 Circuit	CPAPC	ICB	None
- Per OC-192 Circuit	CPAPD	ICB	None

/1/ OC-n Point-to-Point Diversity requires the additional provision of 1+1 Protection with Route Survivability.







