

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)^{/2/} or Transport Resource Management (TRM) hub^{/1/} /C/

B. DefinitionsCustomer

Denotes any individual, partnership, association, joint-stock company, trust, corporation or government entity or any other entity which subscribes to services offered under this guidebook.

Hub

Denotes a Company-designated serving wire center at which bridging, multiplexing, Network Reconfiguration Service (NRS) or Transport Resource Management (TRM) Service functions are performed.^{/1/}

Serving Wire Center

The end office from which the customer designated premises would normally obtain dial tone from the Company for local exchange service.

C. Regulations

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

1. Availability of Service

MEGALINK Digital Service is available where suitable facilities exist. Serving offices capable of providing MEGALINK Digital Service are listed in the National Exchange Carrier Association, Inc. (NECA) Tariff, FCC 4. Availability is not restricted to customers serviced by the wire centers listed in FCC 4, but the service must be routed through a designated office as specified in FCC 4.

/1/ Obsolete – Effective January 10, 2003, Transport Resource Management (TRM) will be completely discontinued and withdrawn.

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

MEGALINK® DIGITAL SERVICE (cont'd)**C. Regulations (cont'd)**

2. Provision of Service

- a. The minimum period for which MEGALINK Digital Service is provided and for which rates and charges are applicable is one month. When a service is discontinued prior to the expiration of the minimum period, charges are applicable for the remaining portion of the minimum period, whether the service is used or not, and will be based on the rates in effect for the service at the time of discontinuance.
- b. The provision of MEGALINK Digital Service is subject to the availability and operational limitations of the equipment and associated facilities. In the event suitable facilities are not available, or modifications to existing facilities are required, Special Construction charges may be applicable as set forth in Part 3, Section 14 of the Arkansas intrastate Access Services Guidebook.
- c. The Company has the service responsibility up to and including the demarcation point. The demarcation point shall consist of wire or a jack conforming to Subpart F of Part 68 of the Federal Communications Rules and Regulations.
- d. The customer shall be responsible for ordering MEGALINK Digital Service and specifying the transmission speed required for operation with customer-provided terminal equipment or communications systems.
- e. MEGALINK Digital Service may be used as a derived channel of a MEGALINK 1.5 High Capacity Service through the use of the central office multiplexing optional feature as described later in this Section. It is the customer's responsibility to determine channel assignments for the derived channels of the MEGALINK 1.5 Service. Additional interoffice channel mileage may be required in order to route the MEGALINK Digital Service to a central office multiplexing hub location for termination in the central office multiplexing arrangement.
- f. MEGALINK Digital Service may be provisioned in conjunction with Network Reconfiguration Service (NRS)^{/1/}, as described later in this Section.

(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)**C. Regulations (cont'd)**

3. Allowance for Interruptions

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

- a. The credit will be applied on a per circuit basis and will only be applied once during a 24-hour period. Credits are not accumulative.
- b. The credit allowance for an interruption or series of interruptions shall not exceed the applicable monthly rate.
- c. The trouble must be isolated to Company-provided equipment. Trouble determined to be caused by customer-provided equipment or trouble that clears without a positive determination as to cause, will not qualify for the service credit.
- d. The 24-hour clock does not begin until the MEGALINK Digital Service is made available to the Company for repair.
- e. When MEGALINK Digital Service is used with NRS or TRM the service credit applies only to the MEGALINK Digital Service portion of the service, and will not apply to NRS or TRM.^{/1/}

4. Expedited Order Charge

MEGALINK Digital Service can be Expedited for an additional Order Charge:

If a customer desires that service be provided on a due date less than the standard interval, which has been established for the order or the provision of the Service, the customer may request that service be provided on an expedited basis.

The provisioning of the expedited request is based upon available facilities and is limited to twelve (12) two-point or six (6) multi-point DS0 circuits at the same location. Expedited order requests do not apply to services that are jointly provided by the Company and an Independent Telephone Company.

If the Company determines that service can be provided on the requested expedited date and spare facilities are available, the following charges will apply:

MEGALINK Digital Service

USOC: EODDO

Expedite Order Charge: \$ 650.00

/1/ Obsolete – Effective January 10, 2003, Transport Resource Management (TRM) will be completely discontinued and withdrawn.

MEGALINK® DIGITAL SERVICE (cont'd)

D. Service Description

Local Distribution Channel

A Local Distribution Channel provides for a two-point transmission path between a customer designated premises and a Company serving wire center for that premises or between a customer designated premises and a Company hub. Local distribution channels suitable for synchronous data rates of 2.4, 4.8, 9.6, 19.2, 56 and 64 kbps, respectively, are provided.

Rates and charges apply per termination on a customer designated premises.

Interoffice Channel

An Interoffice Channel provides for the transmission facilities between the Company serving wire centers associated with two customer designated premises, between a Company serving wire center associated with a customer designated premises and a Company hub or between two Company hubs.

The mileage measurement is developed utilizing the V&H coordinate method as set forth in the National Exchange Carrier Association, Inc. (NECA) Wire Center Information Tariff, FCC 4.

A fixed and per mile rate is applied per Interoffice Channel.

Nonrecurring Charge

A nonrecurring charge applies per Local Distribution Channel installed or moved as provided for in paragraph E. *Rates and Charges*.

Bridging

Bridging is required to provide for MEGALINK Digital Service between three or more Local Distribution Channels on the same and/or different premises.

This offering may consist of MEGALINK Digital Service between three or more channels at speeds of 2.4, 4.8, 9.6, 19.2 and 56 kbps. Bridging will be provided at a Company hub as designated in the National Exchange Carrier Association, Inc. (NECA) Wire Center Information Tariff, FCC 4.

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

The rate for Bridging is set forth in paragraph E. *Rates and Charges*.

MEGALINK® DIGITAL SERVICE (cont'd)**E. Rates and Charges**Local Distribution Channel^{/1/}

- Per channel terminated on a customer's premises.

For Transmission Speed of:	Monthly Rate	Nonrecurring Charge	USOC
2.4 kbps	\$2,064.00 (I)	\$500.00	SYN24
4.8 kbps	2,064.00	500.00	SYN48
9.6 kbps	2,064.00	500.00	SYN96
19.2 kbps	2,965.00	500.00	SYN19
56.0 kbps	2,965.00	500.00	SYN56
64.0 kbps	2,965.00 (I)	500.00	SYN64

Interoffice Channel

- A fixed and per mile rate applies between Company serving wire centers associated with two customer designated premises, between a Company serving wire center and a Company hub or between two Company hubs.

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

Bridging

A bridging rate applies per channel, for transmission speeds of 2.4, 4.8, 9.6, 19.2 and 56 kbps, when three or more channels are connected at a Company hub. All channels connected must operate at the same transmission speed.

Monthly Rate	USOC
\$117.00.....	6BN

/1/ When a service terminates in a channel port of an Integrated Pathway Service, a Local Distribution Channel charge will not apply for that location. All other appropriate charges will apply.

MEGALINK® DIGITAL SERVICE (cont'd)**E. Rates and Charges (cont'd)**Term Pricing Plan^{/1/}

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

TPP recurring rates will not be subject to rate increases during the contracted period.

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

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

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

3. At the end of a TPP term, the customer may elect a new TPP term with the prices in effect at that time. If the customer elects not to renew the TPP, or does not notify the Company of the customer's intent to establish a new TPP, the service will automatically be billed under the monthly rates in effect at the time the TPP expires.
4. Customers requesting the termination of a TPP prior to the expiration date, excluding TPPs terminated as a result of a renegotiation, will be charged a termination charge. Payment of the termination charge does not release the customer from other previous amounts owed to the Company.

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

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

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

/1/ Effective December 1, 2006, Term Pricing Plans (TPP) for Megalink Digital Service are grandfathered. Existing customers may remain on their current plan until the existing term expires. Upon expiration, customers will be charged the current monthly rates.

MEGALINK® DIGITAL SERVICE (cont'd)**E. Rates and Charges (cont'd)**Term Pricing Plan^{/1/} (cont'd)

4. (cont'd)

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

The termination charge shall be the lesser of:

- a. The difference between the rates and charges for the completed months of the TPP at the time of termination and the rates and charges for the next lower TPP^{/2/} actually completed plus interest charges based on approved cost of money in effect at the time of termination; or
- b. The monthly payments remaining on the TPP

For example, a customer completes 27 months of a 36 month (3 year) TPP. The first termination calculation will be the difference between 27 months of rates and charges at the 3 year TPP and 27 months of rates and charges at the 2 year TPP (which is the next lower TPP actually completed) plus interest at the approved cost of money rate in effect at the time of termination. The second termination calculation will be the sum of the 9 remaining monthly payments of the 3 year TPP. The termination charge is the lesser of the two calculations.

5. Customers currently subscribing to MEGALINK Digital Service on a month-to-month basis may convert their existing service to either a two or three year TPP. Nonrecurring charges will be waived at the time of conversion.
6. Customer Specific Pricing (CSP)

Customer Specific Pricing is available to customers who subscribe to a 12-month or greater service contract. Each contract may contain rates and charges, and terms and conditions specific to that customer's needs. The rates and charges established will apply for the duration of the contract period. All MEGALINK Digital services covered by the contract must be in-service within 3 months of the order date. An existing customer may elect to transfer their existing MEGALINK Digital service(s) to a CSP contract established upon ordering a new MEGALINK Digital service for a term equal to or greater than 12 months. Such a transfer will not incur termination liability, however, the CSP contract must be for a term of equal or greater duration to the number of months remaining on the original TPP.

/1/ Effective December 1, 2006, Term Pricing Plans (TPP) for Megalink Digital Service are grandfathered. Existing customers may remain on their current plan until the existing term expires. Upon expiration, customers will be charged the current monthly rates.

/2/ If the service is terminated within the first 12 month, the calculation is based on month-to-month rates and charges.

MEGALINK® DIGITAL SERVICE (cont'd)**E. Rates and Charges (cont'd)**Term Pricing Plan^{/1/} (cont'd)

7. Local Distribution Channel

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

<u>For Transmission Speed of</u>	<u>Monthly Rates</u>		<u>Nonrecurring Charge</u>	<u>USOC</u>
	<u>2 Years</u>	<u>3 Years</u>		
2.4 kbps	\$72.00	\$67.00	\$350.00	SYN24
4.8 kbps	72.00	67.00	350.00	SYN48
9.6 kbps	72.00	67.00	350.00	SYN96
19.2 kbps	72.00	67.00	350.00	SYN19
56.0 kbps	76.00	72.00	350.00	SYN56
64.0 kbps	76.00	72.00	350.00	SYN64

8. Interoffice Channel

- A fixed and per mile rate applies between Company serving wire centers associated with two customer designated premises, between a Company serving wire center and a Company hub or between two Company hubs.
- For transmission speeds of 2.4, 4.8, 9.6, 19.2, 56 and 64 kbps (USOCs: 1LNQQ, 1LNRQ, 1LNSQ, 1LNJQ, 1LNTQ and 1LN8Q)

	<u>Monthly Rates</u>	
	<u>Fixed</u>	<u>Per Mile</u>
2 Years	\$25.00	\$1.20
3 Years	25.00	1.00

9. Bridging

	<u>Monthly Rates</u>		
	<u>2 Years</u>	<u>3 Years</u>	<u>USOC</u>
.....	\$14.00	\$12.00	6BN

/1/ Effective December 1, 2006, Term Pricing Plans (TPP) for Megalink Digital Service are grandfathered. Existing customers may remain on their current plan until the existing term expires. Upon expiration, customers will be charged the current monthly rates.

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 (56 Kbps), data only, switched digital end-to-end information transport.

This service is available to customers in those Local Access and Transport Areas (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. DefinitionsAutomatic Line

An optional feature available with the Site Link which causes an automatic connection to a predetermined destination whenever the Site Link is taken off hook at the customer's Site Link location.

Kbps

Kilobits per second. Another way to express is one thousand bits per second.

Hunting

The multichannel MICROLINK I Site Links (336 Kbps and 1.344 Mbps) are equipped with Hunting as a standard feature. The first channel is assigned a telephone number and when a call to this number is originated, the call hunts sequentially through all numbers in this group until an available channel is found. A Subgroup Arrangement is available and includes an additional telephone number. With this arrangement the customer can predefine the hunting activity within the groups. For example, channels 1 through 12 can be in the original hunt group associated with the telephone number assigned to channel 1 and channels 13 through 24 can be in the second group associated with a telephone number assigned to channel 13.

Link Extension

A physical connection required when the customer's serving central office is located outside the Primary Market Area (PMA). Includes the circuit between the customer's serving central office and the nearest central office within the PMA. The Link Extension charge is both distance and bandwidth dependent.

Local Access and Transport Area (LATA)

A geographic area established for the provision and administration of communications service. It encompasses one or more designated exchanges, which are grouped to serve common social, economic and other purposes.

Mbps

Megabits per second. Another way to express is one million bits per second.

Network Call Usage

The rates applicable for chargeable time for calls that originate and terminate within the Primary Market Area and are limited to Local Exchange Carrier networks. Includes local switching, signaling and trunking between switches (if any).

MICROLINK I® - PUBLIC SWITCHED DIGITAL SERVICE (cont'd)**B. Definitions (cont'd)**Primary Market Area (PMA)

Any exchange that has a suitably equipped DMS-100 serving office located within its exchange boundaries or any metropolitan exchange, along with any associated exchanges, as specified in Part 4, Section 1 that has a suitably equipped DMS-100 within its exchange boundaries.

Site Link

The physical connection to a customer's premises that supports single or multiple 56 Kbps switched circuits. It includes the facility between the customer premises and the serving central office, the circuit(s) between the MICROLINK I switch node and the customer's serving central office, and the node termination. Each Site Link is assigned a unique telephone number. If two or more single channel Site Links (2-wire or 4-wire) are purchased for the same node, hunting capability is available at no additional charge.

Synchronous - Type of data transmission where the characters or bits are sent at a fixed rate, with the transmitting and receiving devices synchronized, so that start and stop bits are not required.

C. Rules and Regulations

The following rules and regulations are in addition to other rules and regulations as stated in this guidebook.

1. MICROLINK I shall not be used for any purpose for which a payment or other consideration, direct or indirect, shall be received by the customer.
2. Provision of this service is subject to the availability and operational limitations of the equipment and associated facilities. In the event suitable facilities are not available or modifications to existing facilities are required, special construction charges will be applicable as provided in paragraph D.3 in Part 15, Section 1.
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. Credit allowances for service interruptions are determined in accordance with regulations as set forth in paragraph D. 7 in Part 15, Section 1.

MICROLINK I® - PUBLIC SWITCHED DIGITAL SERVICE (cont'd)

C. Rules and Regulations (cont'd)

8. 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 and modify and change such equipment and facilities at its option.
9. 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.
10. 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*' as described in paragraph E.2 in Part 2, Section 2 'Rules and Regulations Applying to All Customers' Contracts'.
11. An End User Common Line (EUCL) charge is applicable per Telephone Service Line as set forth in Southwestern Bell Telephone Company's Access Service Tariff, FCC 68.
12. Unless a specific waiver has been granted by the Federal Communications Commission, or except as otherwise provided in 13. following, all connections of registered equipment to services furnished by the Company will be made through a point of demarcation. In most cases, this will be through a Company provided standard jack. In the case of registered communications systems utilizing complex wiring, a method of connection, jacks, terminal strips, etc., will be provided by the Company.
13. The requirement for the use of standard jacks as described in 12. preceding is waived for registered equipment which is located in hazardous or inaccessible locations.

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

1. 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 offices. A customer's premises need not be within the actual suitably equipped serving office area. When a customer's serving central office is located outside the Primary Market Area, 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.
2. 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.

E. Responsibility of the Customer

1. Where MICROLINK I service is available for use in connection with terminal equipment or communications 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 assure that the service arrangement is in accordance with the regulations contained herein.
3. It shall be the responsibility of the customer to insure the continuing compatibility of the customer-provided terminal and data unit equipment that is used in conjunction with the MICROLINK I service.
4. All ordinary expenses of maintenance and repair of Company-provided facilities and network equipment will be borne by the Company, except, if damage to or destruction of any of the Company's facilities or network equipment is caused by the negligence or willful conduct of the customer, its subsidiaries, affiliates, employees or agents; or by reasons of the equipment provided by the customer on the customer's side of the Demarcation Point. In case of damage to or destruction of any of the Company's network equipment or facilities destroyed or for the cost of restoring the Company's equipment to its original condition. The customer is also responsible for reimbursing the Company for any loss through theft of the equipment or facilities on the customer's premises.
5. The customer shall provide, maintain and install all terminal equipment on the customer's side of the Demarcation Point. The customer shall assure that the equipment does not cause electrical hazards to Company personnel or damage Company-provided facilities or equipment. The customer-provided equipment shall meet all applicable Federal Communications Commission's Rules and Regulations and will allow for the testing of Company facilities.

MICROLINK I® - PUBLIC SWITCHED DIGITAL SERVICE (cont'd)

E. Responsibility of the Customer (cont'd)

6. Customers may not install, rearrange, disconnect, remove, or attempt to repair, or permit others to install, rearrange, disconnect, remove, or attempt to repair any wiring, or network equipment associated with Company-provided facilities, except upon the written consent of the Company.
7. The customer shall be responsible for the installation, operation and maintenance of any customer-provided terminal equipment or communications system. No combination of customer-provided terminal equipment or communications system shall require change in or alteration of the equipment or services of the Company, cause electrical hazards to Company personnel, damage to Company equipment, malfunction of Company billing equipment, or degradation of service to persons other than the user of the subject terminal equipment or communications system, his calling or called party. Upon notice from the Company that a customer-provided terminal equipment or communications system is causing such hazards, damage, malfunction or degradation of service the customer or authorized user shall make such change as shall be necessary to remove or prevent such hazard, damage, malfunction or degradation of service. (C)
8. The customer shall be responsible for the payment of a Maintenance of Service Charge as specified in Part 3, Section 1 for visits by a Company employee to the customer's premises when a service difficulty results from the use of a customer-provided terminal equipment or communications system.

MICROLINK I® - PUBLIC SWITCHED DIGITAL SERVICE (cont'd)**F. 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 installed by the Company without prior written consent of the Company.
4. The Company may discontinue the furnishing of MICROLINK I service without incurring liability upon non-payment of any sum due to the Company or a violation of any condition governing the furnishing of service.
5. 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 insure the Interexchange Carrier's network is capable of carrying the switched digital 56 Kbps format.

MICROLINK I® - PUBLIC SWITCHED DIGITAL SERVICE (cont'd)**G. Liability**

1. The Company shall not be liable for damages arising out of mistakes, omissions, interruptions, delays or errors, or defects in transmission occurring in the course of furnishing service hereunder where the same is caused by the negligence of the customer or user. Any liability of the Company for damages arising out of any of the foregoing or for failing to maintain proper standards of maintenance and operation or for failing to exercise reasonable supervision shall in no event exceed an amount equivalent to the proportionate charge to the customer for the period of service during which such mistake, omission, interruption, delay or error or defect in transmission occurs.
2. The Company shall be indemnified and save harmless by the customer or user against (1) claims for libel, slander or the infringement of copyright arising from the material transmitted over the components, (2) claims for the infringement of patents arising from, combining with, or used in connection with, service components of the Company, apparatus and systems of the customer and (3) all other claims arising out of any act or omission of the customer in connection with the service components provided by the Company.
3. The customer indemnifies and saves harmless the Company against claims, losses or suits for injury to or death of any person or damage to any property which arises from the use, placement or presence of the Company's network equipment, facilities and associated network wiring on the customer's premises.
4. The Company's failure to provide or maintain facilities under this guidebook shall be excused by labor difficulties, governmental orders, civil commotions, acts of God and other circumstances beyond the Company's reasonable control, subject to the interruption allowance provisions as set forth in paragraph D.7 in Part 15, Section 1.
5. The Company is not liable for any defacement of or damage to the premises of a customer resulting from the furnishing of service components or the attachment of the facilities furnished by the Company on such premises or by the installation or removal thereof when such defacement or damage is not the result of negligence of the agents or employees of the Company.

MICROLINK I® - PUBLIC SWITCHED DIGITAL SERVICE (cont'd)**H. Rates and Charges**

MICROLINK I Service Components

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Initial Unit</u> ^{1/}	<u>Add'l Unit</u> ^{2/}	(C)
					(D)
					(D)
					(D)
					(D)
<u>Link Extension</u> ^{3/}					(C)
56 Kbps, each	C5E5X	\$50.00	N/A	N/A	
Charge per mile		0.75			(D)
					(D)

See the following sheet for footnotes.

MICROLINK I® - PUBLIC SWITCHED DIGITAL SERVICE (cont'd)**H. Rates and Charges (cont'd)**

MICROLINK I Service Components (cont'd)

	<u>Charge</u>	
<u>Network Call Usage</u> ^{/4,5/}		(C)
Calling within the same local service area (Local), Each connection of one minute or any fraction thereof	\$0.04	
<u>Service Order Charge</u>		
Applies to all customer initiated orders for any MICROLINK I service components, independent of the number of components, per order	45.00	

- (D)
- (D)
- /1/ The Initial Unit charge applies to the first MICROLINK I Service ordered per customer premise, per installation date. (C)
- /2/ The Additional Unit charge applies to all other MICROLINK I Service ordered per customer premises, per installation date. (C)
- (D)
- /3/ A Link Extension **must** be associated with a Site Link. The Link Extension is assessed both the monthly base rate **and** the monthly charge per mile which is calculated using the distance from the customer's serving office to the nearest office within the PMA. (C)
- /4/ The timing of the call begins when connection is established between the calling MICROLINK I Site Link channel and the called MICROLINK I Site Link channel and ends when the connection is terminated at any point. (C)
- /5/ Network Call Usage does not apply to calls which incur toll charges from any Interexchange or Local Exchange Carrier. (C)

MEGALINK® 1.5 HIGH CAPACITY DIGITAL SERVICE**A. General**

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 Company Network Reconfiguration Service (NRS)^{/1/} (C)

B. DefinitionsCustomer

Denotes any individual, partnership, association, joint-stock company, trust, corporation or government entity or any other entity which subscribes to services offered under this guidebook.

Hub

Denotes a Company designated serving wire center at which bridging, multiplexing, Network Reconfiguration Service (NRS) functions are performed.

Serving Wire Center

The end office from which the customer designated premises would normally obtain dial tone from the Company for local exchange service.

/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)

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

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

1. Provision of Service

- a. The minimum period for which MEGALINK 1.5 Service is provided and for which rates and charges are applicable is one month. When a service is discontinued prior to the expiration of the minimum period, charges are applicable for the remaining portion of the minimum period, whether the service is used or not, and will be based on the rates in effect for the service at the time of discontinuance.
- b. MEGALINK 1.5 Service is available only on a point-to-point intraLATA basis.
- c. The provision of MEGALINK 1.5 Service is subject to the availability and operational limitations of the equipment and associated facilities. In the event suitable facilities are not available, or modifications to existing facilities are required, Special Construction charges may be applicable as set forth in Part 3, Section 14 of the Arkansas intrastate Access Services Guidebook.
- d. The Company has the service responsibility up to and including the demarcation point. The demarcation point shall consist of wire or jack conforming to Subpart F of Part 68 of the Federal Communications Rules and Regulations.
- e. MEGALINK 1.5 Service may be provisioned in conjunction with Network Reconfiguration Service (NRS)^{/1/}, as described later in this Section.

(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)**C. Regulations (cont'd)**

2. Allowance for Interruptions

a. MEGALINK 1.5 Service - Not Available with SecureNet

If MEGALINK 1.5 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:

1. The credit will be applied on a per circuit basis and will only be applied once during a 24 hour period. Credits are not accumulative.
2. The credit allowance for an interruption or series of interruptions shall not exceed the applicable monthly rate.
3. The trouble must be isolated to Company-provided equipment. Trouble determined to be caused by customer-provided equipment or trouble that clears without a positive determination as to cause, will not qualify for the service credit.
4. The 24-hour clock does not begin until the MEGALINK 1.5 Service is made available to the Company for repair.
5. When MEGALINK 1.5 Service is used with NRS, the service credit applies only to the MEGALINK 1.5 Service portion of the service, and will not apply to NRS.

b. MEGALINK 1.5 Service Available with SecureNet

1. MegaLink 1.5 Service equipped with SecureNet (Loop Redundancy) 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.
2. 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 on the same service would be credited after twenty-four hours).
3. 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 Mileage, both fixed and per mile and Multiplexing.)

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

C. Regulations (cont'd)

3. Expedited Order Charge

MEGALINK 1.5 High Capacity Digital Service can be Expedited for an additional Order Charge:

If a customer desires that service be provided on a due date less than the standard interval, which has been established for the order or the provision of the Service, the customer may request that service be provided on an expedited basis.

The provisioning of the expedited request is based upon available facilities and is limited to four (4) DS1 circuits at the same location. Expedited order requests do not apply to services that are jointly provided by the Company and an Independent Telephone Company.

If the Company determines that service can be provided on the requested expedited date and spare facilities are available, the following charges will apply:

MEGALINK 1.5 High Capacity Digital Service

USOC: EODD1

Expedite Order Charge: \$650.00

MEGALINK® 1.5 HIGH CAPACITY DIGITAL SERVICE (cont'd)**D. Service Description**Local Distribution Channel

A Local Distribution Channel provides for a two-point transmission path between a customer designated premises and a Company serving wire center for that premises or between a customer designated premises and a Company hub. Rates and charges apply per termination on a customer designated premises.

Interoffice Channel

An Interoffice Channel provides for the transmission facilities between the Company serving wire centers associated with two customer designated premises, between a Company serving wire center associated with a customer designated premises and a Company hub or between two Company hubs. The mileage measurement is developed utilizing the V&H coordinate method as set forth in the National Exchange Carrier Association, Inc. (NECA) Wire Center Information Tariff, FCC 4.

A fixed and per mile rate is applied per Interoffice Channel.

Nonrecurring Charge

A nonrecurring charge applies per Local Distribution Channel installed or moved as provided for in paragraph E. *Rates and Charges* following.

*Optional 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, FCC 4 for suitable hub locations.

Three levels of central office multiplexing are available:

- 1.544 mbps (DS1) to Voice

An arrangement that 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.

- 1.544 mbps (DS1) to 64 kbps (DSO)

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

- 64.0 kbps (DSO) to Subrate

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

MEGALINK® 1.5 HIGH CAPACITY DIGITAL SERVICE (cont'd)**D. Service Description (cont'd)*****Optional Features (Continued)***Clear Channel Capability

Clear Channel Capability (CCC) 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 only with 1.544 mbps service. The provisioning of CCC 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 provided equipment must be compatible with the provisioning of CCC.

Extended Superframe Format

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.

SecureNet (Loop Redundancy)

SecureNet Loop Redundancy provides automatic restoration of the MEGALINK 1.5 Service Local Distribution Channel and physical route redundancy from the customer designated premises to the customer's serving wire center in the event of a single loop failure.

SecureNet is available with point-to-point MEGALINK 1.5 Service only where fiber optic facilities are available to provide the MEGALINK 1.5 Service.

Rollover

A Rollover is a customer-initiated move that involves a change of a point of termination (demarc) 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

MEGALINK® 1.5 HIGH CAPACITY DIGITAL SERVICE (cont'd)**E. Rates and Charges**

1. Local Distribution Channel

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Per channel terminated on a customer's premises.....	1RA1X	\$1,879.00 (I)	\$685.00

2. Interoffice Channel

A fixed and per mile rate applies between Company serving wire centers associated with two customer-designated premises, between a Company serving wire center and a Company hub or between two Company hubs

	<u>USOC</u>	<u>Monthly Rates</u>	
		<u>Fixed</u>	<u>Per Mile</u>
0 miles	3LBNA	None	None
Over 0	3LBNB	\$952.00	\$285.00 (I)

3. Optional Features

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Clear Channel Capability			
- Per local distribution channel	CLR	None	None
Extended Superframe Format			
- Per local distribution channel	SF1	None	None
SecureNet (Loop Redundancy)			
- Per local distribution channel	P7T	None	None

MEGALINK® 1.5 HIGH CAPACITY DIGITAL SERVICE (cont'd)**E. Rates and Charges (cont'd)**

3. Optional Features (cont'd)

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>	
Central Office Multiplexing, Per arrangement				
1.544 Mbps (DS1) to Voice ^{/1/}	MQ1	\$350.00	None	
1.544 Mbps (DS1) to 64.0 kbps (DS0)	MXNOX	2,224.00	None	(I)
64.0 kbps (DS0) to Subrate ^{/2,3/}				
- Up to twenty 2.4 kbps services	QSU24	147.00	None	
- Up to ten 4.8 kbps services	QSU48	175.00	None	
- Up to five 9.6 kbps services	QSU96	200.00	None	

	<u>USOC</u>	<u>First Circuit</u>	<u>Additional Circuit</u>	
4. Rollover				
- Analog Private Line and MEGALINK Digital Service to MEGALINK 1.5, Per service, per order	NR9QA	\$250.00	\$175.00	
- MEGALINK 1.5 to MEGALINK 1.5 Service Per service, per order	NR9QB	300.00	275.00	

/1/ Rates for analog voice or data channels are as specified in Part 15, Section 2. Rates for *MEGALINK Digital Service* are found later in this Section.

/2/ This additional service feature also requires the purchase of DS1 to DSO multiplexing.

/3/ Rates for digital subrate services, i.e., 2.4 kbps, 4.8 kbps and 9.6 kbps, are as specified in *MEGALINK Digital Service* found later in this Section.

MEGALINK® 1.5 HIGH CAPACITY DIGITAL SERVICE (cont'd)**E. Rates and Charges (cont'd)****5. Term Pricing Plan**

- a. MEGALINK 1.5 Service Term Pricing Plan (TPP) provides the customer with rate stabilization and discounted rates. TPP provides for one, two^{/2/}, three^{/2/} or five^{/1/} 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. (C)

TPP recurring rates will not be subject to rate increases during the contracted period.

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

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

During a TPP term, a customer may move one Local Distribution Channel (LDC) of a MEGALINK 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. Nonrecurring Charges, as appropriate, for the physical move will apply.

- c. 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)**E. Rates and Charges (cont'd)**

5. Term Pricing Plan (cont'd)

- d. Customers requesting the termination of a TPP prior to the expiration date, excluding TPPs terminated as a result of a renegotiation, will be charged a termination charge. Payment of the termination charge does not release the customer from other previous amounts owed to the Company.

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

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

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

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

The termination charge shall be the lesser of:

1. The difference between the rates and charges for the completed months of the TPP at the time of termination and the rates and charges for the next lower TPP^{/1/} actually completed plus interest charges based on approved cost of money in effect at the time of termination; or
2. The monthly payments remaining on the TPP.

For example, a customer completes 27 months of a 36 month (3 year) TPP. The first termination calculation will be the difference between 27 months of rates and charges at the 3 year TPP and 27 months of rates and charges at the 2 year TPP (which is the next lower TPP actually completed) plus interest at the approved cost of money rate in effect at the time of termination. The second termination calculation will be the sum of the 9 remaining monthly payments of the 3 year TPP. The termination charge is the lesser of the two calculations.

- e. Customers currently subscribing to MEGALINK 1.5 Service on a month-to-month basis may convert their existing service to either a one, two^{/3/}, three^{/3/} or five^{/2/} 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 DS3 Service) without incurring a termination charge provided that the new TPP is of equal or greater duration.

/1/ If the service is terminated within the first 12 months, the calculation is based on month-to-month rates and charges.

/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)**E. Rates and Charges (cont'd)**

5. Term Pricing Plan (cont'd)

f. Local Distribution Channel

- Per channel terminated on a customer's premises

<u>TPP</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charge^{/1/}</u>	
1 Year	1RA1X	\$235.00	\$685.00	
2 Years ^{/3/}	1RA1X	188.00	400.00	(C)
3 Years ^{/3/}	1RA1X	150.00	200.00	(C)
5 Years ^{/2/}	1RA1X	125.00	200.00	

g. Interoffice Channel

- A fixed and per mile rate applies between Company serving wire centers associated with two customer-designated premises, between a Company serving wire center and a Company hub or between two Company hubs

<u>TPP</u>	<u>USOC</u>	<u>Mileage Band</u>	<u>Monthly Rates</u>		
			<u>Fixed</u>	<u>Per Mile</u>	
1 Year	3LBNA	0	None	None	
.....	3LBNB	Over 0	\$145.00	\$26.00	
2 Years ^{/3/}	3LBNA	0	None	None	(C)
.....	3LBNB	Over 0	110.00	24.00	
3 Years ^{/3/}	3LBNA	0	None	None	(C)
.....	3LBNB	Over 0	88.00	19.00	
5 Years ^{/2/}	3LBNA	0	None	None	
.....	3LBNB	Over 0	55.00	15.00	

h. Clear Channel Capability

- Per local distribution channel

<u>TPP</u>	<u>USOC</u>	<u>Monthly Rates</u>	<u>Nonrecurring Charge^{/1/}</u>	
1 Year	CLR	None	None	
2 Years ^{/3/}	CLR	None	None	(C)
3 Years ^{/3/}	CLR	None	None	(C)
5 Years ^{/2/}	CLR	None	None	

/1/ For customers choosing a two year or greater commitment, the Nonrecurring Charge will be waived. However, customers terminating service prior to the completion of their term commitment will become liable for the full payment of Nonrecurring Charges.

/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)**E. Rates and Charges (cont'd)**

5. Term Pricing Plan (cont'd)

i. Central Office Multiplexing

		Monthly Rates				(C)
	<u>USOC</u>	<u>1 Year</u>	<u>2 Years</u> ^{/2/}	<u>3 Years</u> ^{/2/}	<u>5 Years</u> ^{/1/}	
Per arrangement,						
1.544 Mbps (DS1) to Voice	MQ1	\$325.00	\$310.00	\$300.00	\$290.00	
1.544 Mbps (DS1) to 64.0 kbps (DS0)	MXNOX	325.00	310.00	300.00	290.00	
64.0 kbps (DS0) to Subrate						
- Up to twenty 2.4 kbps services.....	QSU24	NA	135.00	135.00	NA	
- Up to ten 4.8 kbps services.....	QSU48	NA	140.00	140.00	NA	
- Up to five 9.6 kbps services.....	QSU96	NA	200.00	190.00	NA	

j. Customer Specific Pricing (CSP)

Customer Specific Pricing is available to customers who subscribe to a 12-month or greater service contract. Each contract may contain rates and charges, and terms and conditions specific to that customer's needs. The rates and charges established will apply for the duration of the contract period. All MEGALINK 1.5 services covered by the contract must be in-service within 3 months of the order date. An existing customer may elect to transfer their existing MEGALINK 1.5 service(s) to a CSP contract established upon ordering a new MEGALINK 1.5 service for a term equal to or greater than 12 months. Such a transfer will not incur a termination liability, however, the CSP contract must be for a term of equal or greater duration to the number of months remaining on the original TPP.

/1/ 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)

DS3 SERVICE**A. General**

DS3 Service is a dedicated high capacity channel that provides for the simultaneous two-way transmission of a serial, bipolar, return-to-zero isochronous digital signal at a transmission speed of 44.736 megabits per second (Mbps). The interface to the customer will be an electrical signal. The channel design, performance and maintenance objectives are specified in the Company's Technical Reference Pub TR-IN-000342 and Technical Reference Pub 76625.

DS3 Service is available within those Local Access and Transport Areas (LATAs) served by and within the service territories of the Company.

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 Company Network Reconfiguration Service (NRS)^{/1/} system (C) location

B. DefinitionsCustomer

Denotes any individual, partnership, association, joint-stock company, trust, corporation or government entity or any other entity which subscribes to services offered under this guidebook.

Hub

Denotes a Company-designated serving wire center at which bridging, multiplexing or Network Reconfiguration Service (NRS) functions are performed.

Serving Wire Center

The end office from which the customer designated premises would normally obtain dial tone from the Company for local exchange service.

C. Regulations

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

1. DS3 Service is only available under a Term Payment Plan with a twelve month minimum service period for which rates and charges are applicable. When a service is discontinued prior to the expiration of the minimum period, termination charges are applicable for the remaining portion of the minimum period, whether the service is used or not, and will be based on the rates in effect for the service at the time of discontinuance. (See paragraph E. *Rates and Charges* following)

/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)

DS3 SERVICE (cont'd)**C. Regulations (cont'd)**

2. Provision of Service

- a. DS3 Service is furnished on a full-time basis (24 hours a day, seven days per week).
- b. The provision of DS3 Service is subject to the availability and operational limitations of the equipment and associated facilities. In the event suitable facilities are not available, or modifications to existing facilities are required, Special Construction charges may be applicable as set forth in Part 3, Section 14 of the Arkansas intrastate Access Services Guidebook.
- c. The Company has the service responsibility up to and including the demarcation point. The demarcation point shall consist of wire or jack conforming to Subpart F of Part 68 of the Federal Communications Rules and Regulations.
- d. DS3 Service may be provisioned in conjunction with Network Reconfiguration Service (NRS)^{/1/}, as described later in this Section. (C)

3. Availability and Allowance for Interruptions

a. 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 DS3 Service, service is considered unavailable when 8 consecutive severely errored seconds (SEs) are received. The service becomes available again when no SEs are received for 8 consecutive seconds.

If 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:

1. 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.
2. The credit allowance for an interruption or series of interruptions shall not exceed the applicable monthly rate.

/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)

DS3 SERVICE (cont'd)**C. Regulations (cont'd)**

3. Availability and Allowance for Interruptions (cont'd)

a. DS3 Service Not Available with SecureNet (cont'd)

3. The trouble must be isolated to Company-provided equipment. Trouble determined to be caused by customer-provided equipment or trouble that clears without a positive determination as to cause, will not qualify for the service credit.
4. The two-hour clock does not begin until the outage is reported by the customer and the service is made available to the Company for repair.
5. When DS3 Service is used with NRS, the service credit applies only to the DS3 Service portion of the service and will not apply to NRS.
6. The outage must be reported by the customer.

b. DS3 Service Available with SecureNet

1. DS3 Service equipped with SecureNet (Loop Redundancy) 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.
2. To receive a credit for a service interruption after 2.0 seconds, the interruption must occur in that part of the DS3 Service equipped with SecureNet (e.g., a loop failure on a DS3 Service would receive credit after a 2.0 second interruption; an interoffice facility failure on the same service would be credited after two hours).
3. For a 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).

D. Service Description

1. General

There are four basic rate elements which may apply to DS3 Service:

- Nonrecurring Charges
- Local Distribution Channel
- Interoffice Channel Mileage
- Additional Service Features

Rates and Charges will be applied based upon rate zones as contained in this section. The Rate Zone for each serving wire center is as specified in paragraph E.2. If the Channel Mileage crosses Rate Zones (e.g., serving wire center 1 is in Rate Zone 1 and serving wire center 2 is in Rate Zone 2), the higher priced mileage rate will be applied to the entire channel mileage.

DS3 SERVICE (cont'd)**D. Service Description (cont'd)****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 (LDC).

b. Service Rearrangements

Service rearrangements are changes to existing (installed) services which do not result in either a change in the minimum period requirements as set forth in C.1. 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.

Service rearrangements will be charged as follows:

- If changing the customer of record, the Administrative Charge will apply. For the change of customer of record to be treated as a service rearrangement, the new customer must assume liability for both current and prior charges for the service.
- For all other changes not requiring physical work at the central office, or customer premises, including a change in the customer assigned circuit identification or billing account number (when initiated by the customer), the Administrative Charge will apply.
- For all other service rearrangements requiring physical work to be performed, The Administrative Charge will apply. Additionally, one Design and Central Office Connection Charge and one Customer Connection Charge per Local Distribution Channel (LDC) will apply.

DS3 SERVICE (cont'd)**D. Service Description (cont'd)**

2. Nonrecurring Charges (cont'd)

c. Cancellation of Application for Service

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

1. Prior to the issuance of an order, no charges apply.
2. After the issuance of an order, Nonrecurring Charges apply as follows:
 - Canceled before the Record Issue Date (RID), the Administrative Charge applies.
 - Canceled on or after the RID, but before the Plant Test Date (PTD), the Administrative Charge and the Design and Central Office Connection Charge apply.
 - Canceled on or after the PTD, the Administrative Charge, Design and Central Office Connection Charge and Customer Connection Charge apply.

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

1. Prior to the issuance of an order, no charges apply.
2. After the issuance of an order, but prior to the start of construction, all Nonrecurring Charges associated with the design of the Special Construction and the Administrative Charge will apply.
3. After construction has begun:
 - If there is another requirement for the specially constructed facilities, the Administrative Charge, Design and Central Office Connection Charge, and the Customer Connection Charge will apply.
 - If there is no other use for the specially constructed facilities, a charge equal to all the costs incurred in the special construction (including overheads), less net salvage, applies in addition to the Administrative Charge, Design and Central Office Connection Charge, and the Customer Connection Charge.

DS3 SERVICE (cont'd)**D. Service Description (cont'd)**

3. Local Distribution Channel

A Local Distribution Channel provides for a two-point transmission path between a customer's designated premises and the Company serving wire center for that premises. Rates and charges apply per termination at a customer's designated premises.

4. Interoffice Channel

An Interoffice Channel provides for the transmission facilities between the Company serving wire centers associated with two customer designated premises, between a Company serving wire center associated with a customer designated premises and a Company hub or between two Company hubs. The mileage measurement is developed utilizing the V&H coordinate method as set forth in the National Exchange Carrier Association, Inc. (NECA) Wire Center Information Tariff, FCC 4.

A fixed and per mile rate is applied per Interoffice Channel.

5. Optional Features

Central Office Multiplexing

An arrangement which converts a DS3 (44.736 mbps) channel to 28 MEGALINK 1.5 (1.544 mbps) channels. Central Office Multiplexing is available only in certain Company designated multiplexing hub locations. Refer to the NECA Wire Center Information Tariff, FCC 4 for locations.

SecureNet (Loop Redundancy)

SecureNet (Loop Redundancy) provides automatic restoration of the DS3 Service Local Distribution Channel and physical route redundancy from the customer designated premises to the customer's serving wire center in the event of a single loop failure. SecureNet is available with point-to-point DS3 Service only where fiber optic facilities are available to provide the DS3 Service.

Rollover

A Rollover is a customer-initiated move that involves a change of a point of termination (demarc) from an existing lower speed service to DS3 Service within the same customer premises. The Rollover must occur within the same Company location.

Rollovers may be performed at the MEGALINK 1.5 Service to DS3 Service level.

A nonrecurring charge applies per point of termination installed or moved as provided in paragraph E.3, *Rates and Charges - Nonrecurring Charges* following.

DS3 SERVICE (cont'd)**E. Rates and Charges (cont'd)**

1. Term Pricing Plan

- a. DS3 Service Term Pricing Plan (TPP) provides the customer with discounted rates. The TPP provides for one, two^{/2/}, three^{/2/} or five^{/1/} year rates. During the length of the selected TPP, monthly prices for service ordered under the plan will automatically change (increase or decrease) as Company-initiated price changes become effective. However, under no circumstances will any price change cause the monthly price for the service to exceed the price that was in effect at the beginning of the selected TPP term. The Company will notify customers participating in a TPP when monthly rates are decreased. (C)

- b. The customer may choose to terminate an existing TPP before the end of the one, two^{/2/}, three^{/2/} or five^{/1/} year period and negotiate a new TPP. The new TPP will be based upon the rates that are currently in effect and available to all customers, and must be of equal or greater duration than the existing TPP. (C)

If during the duration of the TPP, the customer wishes to rearrange or move a Local Distribution Channel, no termination charge will apply. However, the nonrecurring charges will apply.

- c. If the customer elects not to renew the TPP, or does not notify the Company of the customer's intent to renew the TPP, the customer's service will automatically be billed under the monthly extension rates in effect at the time the TPP expires.
- d. If a customer cancels a Service Order or terminates service before the completion of the term for any reason other than a result of a renegotiation, the customer agrees to pay the Company termination liability charges, which are defined below. These charges shall become due and owing as of the effective date of the cancellation or termination and be payable within the period set forth in paragraph F. *Payments for Service* found in 'Charges Related to Customer Activity' in Part 2, Section 2. Payment of the termination charge does not release the customer from other previous amounts owed to the Company.

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

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

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

/1/ 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)

DS3 SERVICE (cont'd)**E. Rates and Charges (cont'd)**

1. Term Pricing Plan (cont'd)

d. (cont'd)

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

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 DS3 Service (12 month minimum as noted in paragraph C.1) 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.

2. Rate Zones

All wire centers in the state of Arkansas have been assigned a rate zone. The following table lists all wire centers classified as either Zone 1 or Zone 2. All wire centers not listed are Zone 3 rate zones.

Zone 1	Zone 2
FTSMARSU	BNTVARCR
JNBOARMA	BYVLARPO
LTRKARFR	CNWWYARMA
PNBLARJE	ELDOARMA
	FTSMARMI
	FYVLARHI
	HTSPARNA
	LTRKARCA
	RGRSARMA
	RLVLARXA
	SPDLARPL
	WMMPARMA

DS3 SERVICE (cont'd)**E. Rates and Charges (cont'd)**

3. Nonrecurring Charges

	<u>USOC</u>	<u>Nonrecurring Charge</u>
Administrative Charge ^{/1/}		
- per order		
Zone 1.....	NRBA1	\$125.00
Zone 2.....	NRBA2	125.00
Zone 3.....	NRBA3	125.00
Design and Central Office Connection Charge ^{/1/}		
- per circuit		
Zone 1.....	NRBD1	500.00
Zone 2.....	NRBD2	500.00
Zone 3.....	NRBD3	500.00
Customer Connection Charge ^{/1/}		
- 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, 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 will become liable for payment of Nonrecurring Charges described above.

DS3 SERVICE (cont'd)**E. Rates and Charges (cont'd)**

4. Local Distribution Channel

- Per channel terminated on a customer premises

	<u>USOC</u>	<u>1 Year</u>	<u>Monthly Rates</u>			<u>Monthly Extension</u>
			<u>2 Year^{/2/}</u>	<u>3 Year^{/2/}</u>	<u>5 Year^{/1/}</u>	
Zone 1	TZUP1	\$1,950.00	\$1,500.00	\$1,200.00	\$975.00	\$21,267.00 (l)
Zone 2	TZUP2	2,100.00	1,620.00	1,300.00	1,050.00	22,059.00
Zone 3	TZUP3	2,250.00	1,740.00	1,400.00	1,125.00	24,424.00 (l)

5. Interoffice Channel

- Per V&H mile or fraction thereof, per channel

	<u>USOC</u>	<u>1 Year</u>	<u>Monthly Rates</u>			<u>Monthly Extension</u>
			<u>2 Year^{/2/}</u>	<u>3 Year^{/2/}</u>	<u>5 Year^{/1/}</u>	
Channel Mileage						
Fixed						
Zone 1	CZ4X1	\$725.00	\$620.00	\$550.00	\$500.00	\$8,662.00 (l)
Zone 2	CZ4X2	750.00	645.00	575.00	525.00	9,445.00
Zone 3	CZ4X3	775.00	670.00	600.00	550.00	10,240.00 (l)
Variable						
Zone 1	1YZX1	100.00	82.00	70.00	45.00	\$1,335.00 (l)
Zone 2	1YZX2	105.00	87.00	75.00	50.00	1,527.00
Zone 3	1YZX3	110.00	92.00	80.00	55.00	1,726.00 (l)

/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.

DS3 SERVICE (cont'd)**E. Rates and Charges (cont'd)**

6. Optional Features

Central Office Multiplexing^{/1/}

- 44.736 Mbps (DS3) to 1.544 Mbps (DS1), per arrangement

	<u>USOC</u>	<u>1 Year</u>	<u>Monthly Rates</u>			<u>Monthly Extension</u>	(C)
			<u>2 Year^{/3/}</u>	<u>3 Year^{/3/}</u>	<u>5 Year^{/2/}</u>		
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	

7. SecureNet

	<u>USOC</u>	<u>Monthly Rate</u>	<u>Nonrecurring Charge</u>
Per Local Distribution Channel.....	P7T	\$0.00	\$0.00

8. Rollover

	<u>USOC</u>	<u>First Circuit</u>	<u>Additional Circuit</u>
MEGALINK 1.5 to DS3 Service, Per service, per order	NR9QB	\$0.00	\$0.00

/1/ The rates and charges for MEGALINK 1.5 High Capacity Digital Service used in conjunction with this multiplexing arrangement, can be found earlier in this Section of the Guidebook.

/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)

OC-N POINT-TO-POINT SERVICE**A. Service Description**

OC-n Point-to-Point Service (OC-n channels) 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, and/or Add/Drop Functions are performed.

OC-n 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 DS3 Service at suitably equipped wire centers, i.e. non-concatenated, or
- Using the full bandwidth premises to premises, i.e. concatenated.

B. DefinitionsInteroffice 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 transport 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)**C. Regulations**

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

The services provided for 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.

D. Provision of Service

1. 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.
2. OC-n Point-to-Point Service is furnished on a full-time basis (24 hours a day, seven days per week.)
3. 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.
4. 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 3, Section 14 of the Arkansas Intrastate Access Services Guidebook. Service availability will be negotiated locally. (C)
5. 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.
6. 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.
7. All Local Distribution Channels (LDCs) comprising a channel must have the same terminating bit rate unless multiplexing is performed at a Company Hub location.
8. 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)**D. Provision of Service (cont'd)**

9. 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. 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.

10. The minimum service period for OC-*n* Point-to-Point Service is 36 months.

E. Allowance for Interruptions

A credit allowance will be given for interruptions of service. Refer to paragraph D.7 in Part 15, Section 1 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.

F. 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:

- 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.

OC-N POINT-TO-POINT SERVICE (cont'd)**G. Service Configurations**

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

1. OC-3

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

A single concatenated STS-3C channel

1 Gbps Ethernet STS-1, 1v-2v

2. OC-12

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

Four concatenated STS-3C channels

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

A single concatenated STS-12C channel

1 Gbps Ethernet STS-1, 1v-9v

1 Gbps Ethernet STS-3c, 1v-3v

OC-N POINT-TO-POINT SERVICE (cont'd)**G. Service Configurations (cont'd)**

3. OC-48

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;

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;

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.

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

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

4. OC-192

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;

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;

OC-N POINT-TO-POINT SERVICE (cont'd)**G. Service Configurations (cont'd)**

4. OC-192 (cont'd)

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.

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.

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

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

5. OC-n

The customer is responsible via the ordering process to identify what STS signal configuration is to be contained in each OCN 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)**H. 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, 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)**I. Service Components****1. General**

There are four basic rate elements which 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 ChargesGeneral

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.

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 paragraph D.10. 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.

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.

OC-N POINT-TO-POINT SERVICE (cont'd)**I. Service Components (cont'd)****3. Rate Element Description**

- a. 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.
- b. 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 transport 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.

OC-N POINT-TO-POINT SERVICE (cont'd)**I. Service Components (cont'd)**

3. Rate Element Description

c. Optional Features

1. 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.

2. 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. See Central Office (CO) Multiplexing for DS1 and DS3 Services.

OC-N POINT-TO-POINT SERVICE (cont'd)**I. Service Components (cont'd)**

3. Rate Element Description (cont'd)

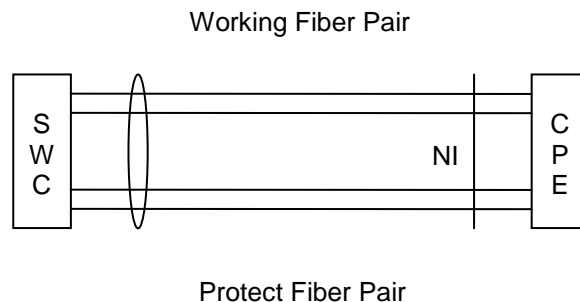
c. Optional Features (cont'd)

2. Add/Drop Function (cont'd)

ADD/DROP Function						
	DS1	DS3	OC-3	OC-12	OC-48	1000 BaseLX
OC-192	No ^{/1/}	Yes ^{/2/}	Yes	Yes	Yes	Yes
OC-48	No ^{/1/}	Yes	Yes	Yes	NA	Yes
OC-12	Yes	Yes	Yes	NA	NA	Yes
OC-3	Yes	Yes	NA	NA	NA	Yes

3. 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.

SAME CABLE

/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.

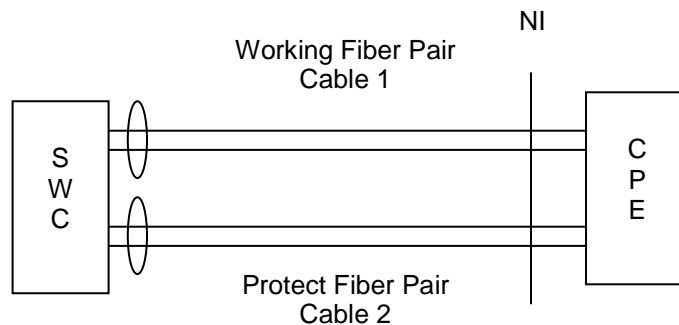
OC-N POINT-TO-POINT SERVICE (cont'd)**I. Service Components (cont'd)**

3. Rate Element Description (cont'd)

c. Optional Features (cont'd)

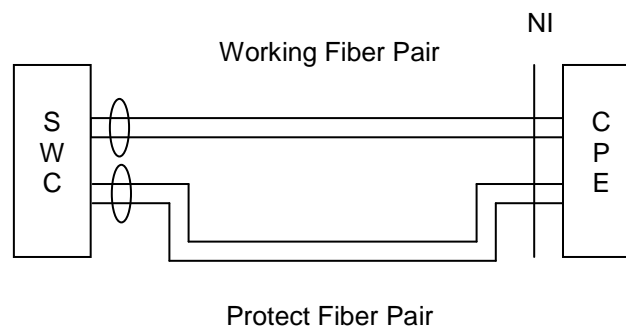
4. 1+1 Protection with Cable Survivability

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 CABLE5. 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 paragraph D.7 in Part 15, Section 1.

DIFFERENT PHYSICAL PATH

OC-N POINT-TO-POINT SERVICE (cont'd)**I. Service Components (cont'd)**

3. Rate Element Description (cont'd)

c. Optional Features (cont'd)

6. 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.

7. 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.

8. 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)**J. Rates 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	\$60.00
- OC-12/OC-12c Service 622.08 Mbps.....	NHCP1	60.00
- OC-48/OC-48c Service 2488.32 Mbps.....	NHCP1	60.00
- OC-192/OC-192c Service 9953.28 Mbps	NHCP1	60.00
Design and Central Office Connection Charge, per circuit		
- OC-3/OC-3c Service 155.52 Mbps.....	NHCP2	375.00
- OC-12/OC-12c Service 622.08 Mbps.....	NHCP2	375.00
- OC-48/OC-48c Service 2488.32 Mbps.....	NHCP2	500.00
- OC-192/OC-192c Service 9953.28 Mbps	NHCP2	2,250.00
Customer Connection Charge, per termination		
- OC-3/OC-3c Service 155.52 Mbps.....	NHCP3	450.00
- OC-12/OC-12c Service 622.08 Mbps.....	NHCP3	450.00
- OC-48/OC-48c Service 2488.32 Mbps.....	NHCP3	600.00
- OC-192/OC-192c Service 9953.28 Mbps	NHCP3	600.00

OC-N POINT-TO-POINT SERVICE (cont'd)**J. Rates and Charges (cont'd)**

Recurring Rates

Local Distribution Channel Per point of termination	<u>USOC</u>	<u>3 Year</u>	<u>5 Year</u> ^{/1/}	<u>Monthly Extension</u>
- OC-3/OC-3c.....	1RSOX	\$1,700.00	\$1,300.00	\$2,275.00
- OC-12/OC-12c.....	1RSOX	4,000.00	3,000.00	5,250.00
- OC-48/OC-48c.....	1RSOX	9,800.00	7,000.00	12,250.00
- OC-192/OC-192c.....	1RSOX	29,400.00	21,000.00	36,000.00

Channel Mileage Termination
per point of mileage termination

- OC-3	CM6	975.00	886.00	1,550.00
- OC-12	CM6	2,925.00	2,250.00	4,100.00
- OC-48	CM6	5,625.00	4,500.00	12,250.00
- OC-192	CM6	16,875.00	13,500.00	36,000.00

Channel Mileage, per mile

- OC-3	JZ4WS	260.00	220.00	350.00
- OC-12	JZ4WS	260.00	220.00	350.00
- OC-48	JZ4WS	260.00	220.00	350.00
- OC-192	JZ4WS	360.00	300.00	450.00

Optional FeaturesAdd/Drop Multiplexing
per arrangement

- OC-3	MPECX	1,200.00	950.00	1,650.00
- OC-12	MPEDX	2,800.00	2,100.00	3,575.00
- OC-48	MXRFX	4,625.00	3,700.00	6,375.00
- OC-192	MXRGX	12,000.00	9,600.00	16,800.00

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

OC-N POINT-TO-POINT SERVICE (cont'd)**J. Rates and Charges (cont'd)**

Recurring Rates (cont'd)

Optional Features (cont'd)

	<u>USOC</u>	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>
Add/Drop Function			
OC-3 Service			
- Per DS3 Add or Drop	MXJBX	None	\$ 150.00
- Per DS1 Add or Drop	MXJAX	None	55.00
- Per 1000BaseLX Ethernet	MX4LX	None	500.00
OC-12 Service			
- Per OC-3 Add or Drop	MXJCX	None	250.00
- Per DS3 Add or Drop	MXJBX	None	150.00
- Per 1000BaseLX Ethernet	MX4LX	None	500.00
OC-48 Service			
- Per OC-12 Add or Drop	MXJEX	None	625.00
- Per OC-3 Add or Drop	MXJCX	None	250.00
- Per DS3 Add or Drop	MXJBX	None	150.00
- Per 1000BaseLX Ethernet	MX4LX	None	500.00
OC-192 Service			
- Per OC-48 Add or Drop	MXJFX	None	1,800.00
- Per OC-12 Add or Drop	MXJEX	None	625.00
- Per OC-3 Add or Drop	MXJCX	None	250.00
- Per 1000BaseLX Ethernet	MX4LX	None	500.00
1+1 Protection			
- Per OC-3/OC-3c LDC	P8T	None	180.00
- Per OC-12/OC-12c LDC	P8T	None	260.00
- Per OC-48/OC-48c LDC	P8T	None	1,410.00
- Per OC-192/OC-192c LDC	P8T	None	2,700.00

OC-N POINT-TO-POINT SERVICE (cont'd)**J. Rates and Charges (cont'd)**

Recurring Rates (cont'd)

Optional Features (cont'd)

	<u>USOC</u>	<u>Nonrecurring Charge</u>	<u>Monthly Rate</u>
1+1 Protection with Cable Survivability			
- Per OC-3/OC-3c LDC.....	P3S	\$500.00	\$180.00
- Per OC-12/OC-12c LDC.....	P3S	600.00	260.00
- Per OC-48/OC-48c LDC.....	P3S	700.00	1,410.00
- Per OC-192/OC-192c LDC.....	P3S	800.00	2,700.00
1+1 Protection with Route Survivability			
- Per OC-3/OC-3c LDC.....	P8T	Apply P8T preceding plus 'Per Quarter Route Mile' Below	
- Per OC-12/OC-12c LDC.....	P8T		
- Per OC-48/OC-48c LDC.....	P8T		
- Per OC-192/OC-192c LDC.....	P8T		
Per Quarter Route Mile			
OC-3.....	S2DXY	None	50.00
OC-12.....	S2DXY	None	100.00
OC-48.....	S2DXY	None	125.00
OC-192.....	S2DXY	None	150.00
Point-to-Point Regenerator,			
Per OC-48 regenerator	RGY48	None	5,500.00
Per OC-192 regenerator	RGY92	None	11,000.00
OC-n Point-to-Point Diversity ^{/1/} ,			
Per OC-3 circuit	CPAPA	None	200.00
Per OC-12 circuit	CPAPB	None	300.00
Per OC-48 circuit	CPAPC	None	700.00
Per OC-192 circuit	CPAPD	None	1,200.00

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

OC-N POINT-TO-POINT SERVICE (cont'd)**J. Rates and Charges (cont'd)****3. Term Pricing Plan**

The Term Pricing Plan provides the customer with rate stabilization and discounted rates. The Term Pricing Plan provides for three or five^{/1/} year rate stabilization. Decreases in monthly recurring rates will be passed on to customers who participate in a Term Pricing Plan (TPP).

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 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.

During a customer's TPP term, conversion may be made to a new TPP term of the same or different length, if the expiration date for the 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.

After the expiration of 25 months of a 3 year TPP term or 42 months of a 5 year TPP term, any components added to the existing service configuration provided under that TPP will be billed at the monthly extension rates.

During a TPP term a customer may move one Local Distribution Channel (LDC) of an OC-n Point-to-Point 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.

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

OC-N POINT-TO-POINT SERVICE (cont'd)**J. Rates and Charges (cont'd)**

3. Term Pricing Plan (cont'd)

For service installed after July 20, 2007, customers will be permitted to upgrade to a higher-speed service provided by the Company, without incurring Termination Charges, given the following conditions are met:

- an upgrade is considered an increase in speed or capacity when comparing OC-n Point-to-Point Service to the new service.
- the customer must issue a disconnect order for the existing OC-n Point-to-Point Service and place a service order for the new, higher-speed service, such that there is no more than 90 days overlap in service.
- the same customer locations must be utilized for the new, higher-speed service.
- the expiration date for the new, higher-speed service is beyond the end of the original TPP term associated with the existing OC-n Point-to-Point Service.
- the existing OC-n Point-to-Point Service must have been in service for a minimum period of 15 months for a 36-month contract or 18 months for a 60-month contract.

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 and be payable within the period set forth in paragraph F. *Payments for Service* found in 'Charges Related to Customer Activity' in Part 2, Section 2.

Customer termination liability for cancellation of an OC-n Point-to-Point Service shall be equal to:

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

/1/ Material now appears in Part 20, Section 15, Sheet 91.

/1/ Material now appears in Part 20, Section 15, Sheet 92.

/1/ Material now appears in Part 20, Section 15, Sheet 93.

/1/ Material now appears in Part 20, Section 15, Sheet 94.

/1/ Material now appears in Part 20, Section 15, Sheet 95.