

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 Optical Carrier Network (OCN) Point-to-Point Service

(A) Basic Channel Description

(1) General

- (a) Optical Carrier Network (OCN) Point-to-Point channels provide high speed synchronous optical fiber-based full duplex data transmission capabilities. These services provide optical data transmission with the following characteristics:
 - (i) OC-3/OC-3c provides channels operating at the terminating bit rate of 155.52 Mbps; and,
 - (ii) OC-12/OC-12c provides channels operating at the terminating bit rate of 622.08 Mbps.
 - (iii) OC-48/OC-48c provides channels operating at the terminating bit rate of 2488.32 Mbps.
 - (iv) OC-192/OC-192c provides channels operating at the terminating bit rate of 9953.28 Mbps;
- (b) OC-3, OC-12, OC-48, and OC-192 channels may be used to connect the following:
 - (i) a customer designated premises to another customer-designated premises, without the add/drop multiplexing capability.
 - (ii) a customer designated premises to a Telephone Company location where add/drop multiplexing, or add/drop functions are performed.
 - (iii) a Dedicated SONET Ring Service node in a Telephone Company location to a customer designated premises or a Collocator's virtual collocation - this serving arrangement is referred to as (SMOA) SONET Mapped Optical Arrangement or to a Telephone Company location where add/drop multiplexing and add/drop functions are performed, and this serving arrangement is referred to as (SMUX) SMOA with a MUX;
 - (iv) two Dedicated SONET Facility nodes in the same or different Telephone Company location—this serving arrangement is referred to as (DIN) Dedicated Interconnection Network.

Optical Transmission paths for OCN Point-to-Point Service are differentiated by bit rate and the quality of transmission is as delineated by the Optical Interface definitions in the Technical Reference Publications cited in Section 7.2.

(T)

OC-3 Service, OC-12 Service, and OC-48 Service may be connected by (1) using the appropriate OC-3, OC-12 or OC-48 add/drop multiplexer (mux) along with the add/drop function to a DS1 and/or DS3 at suitably equipped wire centers, or (2), by using the full bandwidth premises to premises.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(B) Channel Configuration (Cont'd)

(3) Optional Features and Functions

The following optional features and functions are available:

- Add/Drop Multiplexing
- Add/Drop Function
- OC-3, OC-12, OC-48 and OC-192 Cross-Connects
- 1+1 Protection (OC-3/OC-3c, OC-12/OC-12c, OC-48/OC-48c, and OC-192)
- 1+1 Protection with Cable Survivability (OC-3/OC-3c, OC-12/OC-12c, OC-48/OC-48c, and OC-192)
- 1+1 Protection with Route Survivability (OC-3/OC-3c, OC-12/OC-12c, OC-48/OC-48c, and OC-192)
- 1+1 Protection with Diversity
- 1+1 Protection with Site Survivability
 - 1+1 Protection with Central Office Survivability*
 - 1+1 Protection with Customer Premise Survivability*
- Regenerators (OC-48 and OC-192)

(a) OC-3, OC-12, OC-48 and OC-192 Add/Drop Multiplexing

Add/Drop multiplexing is an arrangement in a Telephone company central office that allows non-concatenated OC-3, OC-12, OC-48, or OC-192 channels operating at a terminating speed of 155.52 Mbps, 622.08 Mbps, 2488.32 Mbps, or 9953.28 Mbps, respectively, to add/drop a lower speed channel by using this feature along with the add/drop function as stated in Section 7.2.10 (B) (3) (b). The mix of multiplexing signals cannot exceed the maximum bandwidth of the higher speed OCN circuit terminating on the Central Office multiplexer. (T)

* 1+1 Protection with Central Office Survivability for OC-3 and OC-12 and/or Customer Premise Survivability for OC-12 and OC-48, subscribed to, on or after April 11, 2002, will no longer be available.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(B) Channel Configuration (Cont'd)

(3) Optional Features and Functions (Cont'd)

(b) Add/Drop Function

The OCN Point-to-Point Service can 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, they would pay one add/drop charge for the DS3 and the initial OC-12 add/drop multiplexing charge.

An OCN Point-to-Point Service is only able to add/or drop the services that have been identified by payload content (mapping) within the bandwidth. DS1 mapped STS-1 signals are only able to connect to DS1s, and DS3 mapped STS-1 signals are only able to connect to DS3s. 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 stated in Section 7.2.9.

The options in Sections 7.2.10 (B) (3) (a) and (b) preceding cannot be used with OC-3, OC-12, or OC-48 Service configured by the customer to contain a single non-channelized (concatenated) STS-3C or STS-12C signal, respectively.

(T)

Ethernet over SONET (EoS) is supported by an Add/Drop function. The quantities allowed will depend upon the VT or STS bandwidth assigned over the port.

	Add Drop Function					
	DS1	DS3	OC-3	OC-12	OC-48	1000 Base LX
C-192	No	No	Yes	Yes	Yes	Yes
OC-48	No	Yes	Yes	Yes	N/A	Yes
OC-12	No	Yes	Yes	N/A	N/A	Yes
OC-3	Yes	Yes	N/A	N/A	N/A	Yes

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(B) Channel Configuration (Cont'd)

(3) Optional Features and Functions (Cont'd)

(g) Diversity

This option will provide end-to-end diversity from A-Z for the second like service. It requires a charge for mileage on a "per Quarter Route Mile" basis, for each customer premises or Local Distribution Channel (LDC), only when both circuits terminate at the same customer premises. The standard OCN PTP service is provided without protection, but it is still an option with Diversity. 1+1 Protection is defined above and rates will apply as stated in Diversity Sections, 7.5.10 (A) (4) (i) - (OC-3), 7.5.10 (B) (4) (j) - (OC-12), 7.5.10 (C) (4) (j) - (OC-48), and 7.5.10 (D) (4) (h) - (OC-192). For the inter-office portion, the Diversity rate will cover any additional air-line mileage between serving wire centers.

(T)
(T)

This is the only option that will assure 100% availability from end-to-end of the service. Any service interruption of both services at the same time will result in a credit of one month's bill for the second circuit. If the interruption occurs on a section of the service where commonality has been identified to the customer, normal terms and conditions for out of service credits, as stated in Section 2.4.4, will apply. An interruption period will start when an inoperative service is reported to the Telephone Company, and end when the service is operative. In any month, as a result of an interruption, the total credit per rate element of the interrupted service may not exceed 100 percent of the monthly charge for that particular rate element.

(T)

All other terms and conditions for Credit Allowances, as stated in Section 2.4.4, will apply.

(T)

Prior to confirming an order for service, the Telephone 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 Telephone Company will provide this information only to the ordering customer.

Installation of the Diversity option will not begin until the customer has accepted the proposed routing by the Telephone Company.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(B) Channel Configuration (Cont'd)

(3) Optional Features and Functions (Cont'd)

(h) 1+1 Protection with Site Survivability

(1) 1+1 Protection with Central Office Survivability for OC-3 and OC-12*

This option will provide 1+1 protection and offer additional protection from Serving Wire Center (SWC) failure for services not terminating at the SWC by routing the working fiber pair via the primary route to the customer's SWC and the protect fiber pair to an alternate wire center chosen by the Telephone Company. The protect fiber will be charged on a distance sensitive basis, based on quarter route miles, from the customer premises to the alternate wire center. Channel Mileage and Channel Mileage Terminations for the appropriate OC-3 or OC-12 service ordered will be charged between the SWC and the alternate wire center using the V&H coordinates method as stated in National Exchange Carrier Association Tariff, Inc. F.C.C. No. 4. (T)

This option will also assure 100% availability of the service. 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 out of service credits as stated in Section 2.4.4 will apply. An interruption period will start when an inoperative service is reported to the Telephone Company and end when the service is operative. In any month, as a result of an interruption, the total credit per rate element of the interrupted service may not exceed 100% of the monthly charge for that particular rate element. All other terms and conditions for Credit Allowances as stated in Section 2.4.4, will apply. (T)

* 1+1 Protection with Central Office Survivability for OC-3 and OC-12 subscribed to on or after April 11, 2002, will no longer be available.

ACCESS SERVICE

7. Special Access Service

7.2 Service Descriptions (Cont'd)

7.2.10 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(F) Term Pricing Plans (TPP) (Cont'd)

(4) Conversions

If there is at least one month remaining on an existing 1 or 3 year OCN Point-to-Point TPP, the customer may convert the service to a higher term OCN Point-to-Point TPP without termination liability and, at the time of the access order to convert, retain the service for the period remaining on the higher term OCN Point-to-Point TPP. No retroactive OCN Point-to-Point TPP discounts will apply prior to the order date.

For example, a customer with an existing 3-Year OCN Point-to-Point TPP with 11 months remaining elects to convert to a 5-Year OCN Point-to-Point TPP. At the time of the order, the customer will begin paying the 5-year TPP rate for the remaining period of 2 years and 11 months (35 months) on the new TPP.

(5) Transitioning from Other Special Access Services to OCN Point-to-Point

The customer may, at any time, move other Telephone Company Special Access Services that have not been grandfathered, to an OCN Point-to-Point service. Charges for the transition will be the nonrecurring charges for the installation of the new OCN Point-to-Point rate elements as listed in Section 7.5.10, created by the transition. No other charges, such as Service Facility Moves will be applicable to such transitions. The relevant Telephone Company tariff sections for the services, if applicable for the Special Access Services being transitioned from, will govern termination charges in question. (D)

In the event that the current Point-to-Point Special Access service is no longer available to the customer and their existing term payment plan has not been completed or expired, the customer may choose to convert their TPP using the OCN Point-to-Point service as described in Section 7.2.10(N). If the customer's TPP expires and the customer does not choose to renew their TPP for any of the Telephone Company Access Services including OCN Point-to-Point, or if the customer fails to notify the Telephone Company of their plans to renew their TPP upon expiration of the current TPP, all TPPs will become subject to Monthly Extension Rates as set forth in Section 7.2.10(C). Upon notification by the customer that renewal of the TPP or the cancellation of service is needed, the Telephone Company will remove the monthly extension rate and normal TPP terms and conditions will apply or not apply in the case of cancellation of service. (T)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.10 Optical Carrier Network (OCN) Point-to-Point Service (Cont'd)

(H) Moves (Cont'd)

(1) Service Rearrangement

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 Section 5.2.5 or a change in the physical location of the point of termination at a customer or customer's end user premises, as described in Section 7.4.2. (T)

(2) Moves Within the Same Building

When the move is to a new location within the same building, the Administrative Charge and Customer Connection Charge for the service termination affected will apply. There will be no change in the minimum period requirements, as described in Section 7.4.6.

(3) Moves To a Different Building

Moves to a different building will be treated as a discontinuance and start of service and all associated nonrecurring charges will apply. New minimum period requirements will be established for the new services. The customer will also remain responsible for satisfying all outstanding minimum period charges for the discontinued service, as described in Section 7.4.6.

(I) Mileage Measurement

The mileage is calculated on the airline distance between the locations involved, i.e., the serving wire centers associated with two customer designated premises, the serving wire center associated with a customer designated premises and an international boundary point, a serving wire center associated with a customer designated premises and a Telephone Company Hub, a serving wire center associated with a customer designated premises and a WATS Serving Office as described in Section 7.4.7.

(J) Modification of Access Service

The customer may request a modification of its Access Order at anytime prior to notification by the Telephone Company that service is available for the customer's use. The Telephone Company will make every effort to accommodate a requested modification when it is able to do so with the normal work force assigned to complete such an order within normal business hours. If the modification cannot be made with the normal work force during normal business hours, the Telephone Company will notify the customer.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.11 OC-3, OC-12, OC-48 and OC-192 Dedicated Ring

(A) Basic Service Description

(1) General

OC-3, OC-12, OC-48 and OC-192 Dedicated Ring provides a customer a dedicated custom network. The network is in a ring architecture including sub-rings or Arc sub-rings provisioned on Next Generation SONET equipment, designed to provide increased reliability and functionality connecting multiple customer designated locations and specified Telephone Company Central Offices (COs) via self healing network designs. Dedicated SONET Rings OC-3, OC-12, OC-48 and OC-192 are available via Self-Healing Uni-Directional Path Switched Rings (UPSR); additionally, OC-48 and OC-192 are available via Self-Healing Bi-Directional Line Switched Rings (BLSR). A sub-ring is a lower speed ring made up of two or more sub-ring Nodes operating off the higher speed main ring. An Arc sub-ring is lower speed ring made up of one or more Arc sub-ring nodes operating off the higher speed main ring. Dedicated Ring will provide 50 millisecond protection switching after fault detection to assure 100 percent availability of the services on the ring. Dedicated Ring is provided where appropriate SONET facilities are available. Where facilities are not available, Special Construction may apply.

Dedicated Ring is an alternative to OC-3, OC-12 and OC-48 point-to-point service between multiple customer locations. Rate elements include nodes, ports, mileage between nodes, regenerators, Optical to Electrical DS1 add/drop capability and Optical OC-48 add/drop capability. Rates are specified in Section 7.5.11.

(D)

Existing customers with point-to-point OC-3, OC-12 and OC-48 may upgrade to Dedicated Ring without termination liability.

A service interruption will result in a credit equal to one month's bill for the individual port-to-port connection involved. An interruption of service will start when an inoperative service is reported to the Telephone Company and end when the service is operative. In any month, as a result of an interruption, the total credit per rate element of the interrupted service may not exceed 100 percent of the monthly charge for that particular rate element.

Customers may choose to accept a ring without diversity (i.e., no dual entrance), or prior to the cable diversity being available. In this situation (i.e., temporary or permanent unprotected Dedicated Ring Service), effective for new customers after January 16, 2004, the customer may accept the ring without diversity. Credits for the unprotected portion of the ring will not apply until diversity is implemented on the ring.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.11 OC-3, OC-12, OC-48 and OC-192 Dedicated Ring (Cont'd)

(B) Dedicated Ring Configuration

(1) Nodes

The ring will provide connectivity to multiple customer designated locations (nodes). However, a ring must have a minimum of two nodes, excluding sub-ring nodes. At least one node must be a Telephone Company CO node. A maximum of 16 nodes including regenerators will be allowed per ring.

The Telephone Company reserves the right to determine the order of the nodes on the ring.

When a customer premises node is located in the same building as a CO node, diversity between the two nodes may not be available.

If a customer, collocates two customer premises nodes of the same speed, on the same dedicated ring, on the same premises, the additional node will be billed as shown in Section 7.5.11. This option does not provide diversity between these two collocated nodes and the rest of the ring. (T)

If a customer has one or more additional OC-48 Dedicated Rings within a LATA, the Customer Premises Node, Central Office Node and the OC-48 Add/Drop Capability rate elements utilized on the additional OC-48 Dedicated Ring(s) and collocated with like primary OC-48 Dedicated Ring rate elements as described below will be billed as "Plus"^{/1/} as shown in Section 7.5.11. All existing requirements associated with Ameritech Dedicated Ring Service apply to additional rings. The eligibility requirements for the "Plus"^{/1/} rates are as follows: (T)

The primary dedicated ring is defined as the dedicated ring with the earliest installation date. If the primary dedicated ring is terminated by the customer and the customer still has two or more dedicated rings, the remaining dedicated ring with the earliest installation date will be designated as the new primary dedicated ring. If there are any additional dedicated rings, the nodes and add/drop capability that are common with the new primary dedicated ring will be billed as "Plus"^{/1/} nodes and "Plus"^{/1/} add/drop capability.

/1/ Effective 04/08/06, the OC-48 "Plus" feature will no longer be available to new customers. There will be no change to existing customers.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.11 OC-3, OC-12, OC-48 and OC-192 Dedicated Ring (Cont'd)

(B) Dedicated Ring Configuration (Cont'd)

(1) Nodes (Cont'd)

(b) Sub-Ring Node

A sub-ring node is a lower speed optical extension off a main ring. It traverses one or more main ring nodes via the use of OC-N port connections on and off the main ring. The primary use of sub-ring nodes is to provide the ability to fully utilize the bandwidth around the ring when the customer requires DS1/VT1.5 circuit paths.

An optional sub-ring node is available at OC-3, OC-12 and OC-48 speeds from an OC-192 main ring. A sub-ring node may only connect to the main ring at the same or an adjacent main ring node. A sub-ring node may not connect directly to another sub-ring node⁽¹⁾.

Any service that enters the main ring via a port on a sub-ring node must also exit via a port on another sub-ring node (sub-ring on - sub-ring off)⁽¹⁾. Cascading sub-rings are not allowed off a main ring. Service circuits may not be established between sub-ring nodes connecting to the same main ring node or between a sub-ring node and a port on the same main ring node to which it connects.

Each sub-ring must be implemented as an OC-M on an OC-N ring with full complement of STS-1s, 3 or 12 depending on the bandwidth of the sub-ring, appearing together at all associated sub-ring nodes on a given sub-ring.

OC-3 sub-rings and OC-12 DDNs may not be combined on an OC-12 main ring. OC-12 sub-rings and OC-12 DDNs may be combined on a sub-ring connected to an OC-48 main ring.

Two OC-N ports and associated node charges apply for each sub-ring node connected to the main ring, as well as applicable mileage for the sub-ring applies.

A sub-ring node which is collocated with a main ring node at the customers premises (for the same dedicated ring) will be billed as an "Additional Node" per Section 7.5.11 (A).

(T)

A sub-ring is not available with a two-node main ring configuration.

A sub-ring node is only available in the Uni-Directional Path Switched Ring (UPSR) mode.

⁽¹⁾This restriction does not apply for Next Generation SONET equipment.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.11 OC-3, OC-12, OC-48 and OC-192 Dedicated Ring (Cont'd)

(B) Dedicated Ring Configuration (Cont'd)

(2) Add/Drop Capability (Cont'd)

(a) OC-48 Add/Drop Capability

This provides the capability to add/drop lower speed channels from an OC-48 Dedicated Ring node location via OC-12 and OC-3 ports. OC-48 Add/Drop Capability at an OC-48 Dedicated Ring Service node location will support one quarter of the port capability of OC-48 ring bandwidth. Up to four OC-48 Add/Drop Capability options may be provided at a node with each option supporting one OC-12 port, up to four OC-3 ports, up to twelve DS3 ports, or equivalent combination of OC-3 and DS3 ports, or up to twelve 100 Mbps (STS-1) Ethernet ports or up to four 100 Mbps (STS-3c) Ethernet ports or up to eight 1 Gbps (STS-1) Ethernet ports or up to four 1 Gbps (STS-3c) Ethernet ports or one 1Gbps (STS-12c) Ethernet port.

OC-48 Add/Drop Capability associated with OC-48 Dedicated Ring nodes that qualify as "Plus"^{/1/} nodes as defined in Section 7.2.11(B)(1) preceding will be billed as "Plus"^{/1/} as shown in Section 7.5.11.

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(T)

For OC-48 SONET Rings established prior to 04/7/05, the Add/Drop Capability charge is applied per quarter (12 DS-3 equivalent) port capability of ring. Customers may upgrade their ring when new TPP is equal to or greater than their existing TPP and the new MRC revenue is equal to or greater than their existing MRC revenue.

For OC-48 SONET Rings established after 04/7/05, the Add/Drop Capability charge is applied only once and only when the 25th DS-3 port is applied per node.

(b) OC-192 Add/Drop Capability

This provides the capability to add/drop lower speed channels from an OC-192 Dedicated Ring node location via OC-48 or OC-12. OC-192 Add/Drop Capability at an OC-192 Dedicated Ring Service node location will support up to four OC-48 or OC-48c ports, or up to sixteen OC-12 or OC-12c ports, or up to sixty four OC-3 or OC-3c ports, or up to 192 DS3 ports or various combinations not to exceed 192 STS-1 equivalents, or up to forty-eight 100 Mbps (STS-1) Ethernet ports or up to sixteen 100 Mbps (STS-3c) Ethernet ports or up to thirty-two 1 Gbps (STS-1) Ethernet ports or up to sixteen 1 Gbps (STS-3c) Ethernet ports or up to two 1 Gbps (STS-12c) ports or up to two 1 Gbps (STS-24c) ports.

The OC-192 Add/Drop Capability charge is applied to all nodes, excluding regenerators and CO nodes without drop ports.

/1/ Effective 04/08/06, the OC-48 "Plus" feature will no longer be available to new customers. There will be no changes to existing customers.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.11 OC-3, OC-12, OC-48 and OC-192 Dedicated Ring (Cont'd)

(B) Dedicated Ring Configuration (Cont'd)

(3) Ports (Cont'd)

Accepted Interfaces are as follows:

	OC-3 Node	OC-12 Node	OC-48 Node	OC-192 Node
STS-1-2v (96.77 Mbps)	X (Max. 1/Node)	X (Max. 6/Node)	X (Max. 24/Node)	X (Max. 96/Node)
STS-1-3v (145.15 Mbps)	X (Max. 1/Node)	X (Max. 4/Node)	X (Max. 16/Node)	X (Max. 64/Node)
STS-1-4v (193.54 Mbps)	N/A	X (Max. 3/Node)	X (Max. 12/Node)	X (Max. 48/Node)
STS-1-5v (241.92 Mbps)	N/A	X (Max. 2/Node)	X (Max. 9/Node)	X (Max. 38/Node)
STS-1-6v (290.30 Mbps)	N/A	X (Max. 2/Node)	X (Max. 8/Node)	X (Max. 32/Node)
STS 1-9v (435.46 Mbps)	N/A	X (Max. 1/Node)	X (Max. 5/Node)	X (Max. 21/Node)
STS-1-12v (580.61 Mbps)	N/A	X (Max. 1/Node)	X (Max. 4/Node)	X (Max. 16/Node)
STS-1-21v (1016.06 Mbps)	N/A	N/A	X (Max. 2/Node)	X (Max. 9/Node)
STS-3c-1v (149.76 Mbps)	N/A	X (Max. 4/Node)	X (Max. 16/Node)	X (Max. 64/Node)
STS-3c-2v (299.52 Mbps)	N/A	X (Max. 2/Node)	X (Max. 8/Node)	X (Max. 32/Node)
STS-3c-3v (449.28 Mbps)	N/A	X (Max. 1/Node)	X (Max. 5/Node)	X (Max. 21/Node)
STS-3c-4v (599.04 Mbps)	N/A	X (Max. 1/Node)	X (Max. 4/Node)	X (Max. 16/Node)
STS-3c-7v (1048.32 Mbps)	N/A	N/A	X (Max. 2/Node)	X (Max. 9/Node)

By using the existing OC-3 or OC-3c, OC-12 or OC-12c, or OC-48 or OC-48c Service and cross-connection capability, OC-3 or OC-3c point-to-point service may connect to an OC-3 or OC-3c port of an OC-12, OC-48, or OC-192 ring. OC-12 or OC-12c point-to-point service may connect to an OC-12 or OC-12c port of an OC-48, OC-192 ring, or OC-48. OC-48 or OC-48c point-to-point service may connect to an OC-48 or OC-48c port of an OC-192 ring located in a Company CO.

As described in Section 7.2.10 for OC-3, OC-3c Service, an OC-3 port will permit the connection of STS-1 channels to other STS-1 channels across the OC-12, OC-48 or OC-92 Dedicated Ring Service subject to the overall ring capacity limits described in Section 7.2.11 (B) (6). Also an STS-1 channel with DS1 payload mapping accessing an OC-12 Dedicated Ring using an OC-3 port may be connected to the Optical to Electrical DS1 add/drop capability for the purpose of connecting up to 28 DS1 ports. An STS-1 channel with DS3 payload mapping accessing the OC-12 or OC-48 Dedicated Ring using an OC-3 port may individually connect to a DS3 or EC-1 port.

(T)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.13 Gigabit Ethernet Metropolitan Area Network (GigaMAN) (Cont'd)

C. Non-recurring Charges

Non-recurring charges are one-time charges that apply for specific work activity related to the provisioning of GigaMAN[®] Service, as described in Section 7.4.2.

D. Recurring Charges

Recurring Charges are rates that apply each month or fraction thereof that the service is provided. Recurring rates apply to 12-, 36-, or 60-month period under the terms and conditions of Term Pricing Plan (TPP), discussed in Section 7.2.1 (F). (T)

E. Monthly Extension Rates

Upon completion of a TPP, a customer's service will automatically convert to the Monthly Extension Rates unless the customer requests a new TPP.

F. Term Pricing Plan (TPP)

GigaMAN[®] is available for 12-, 36-, or 60- month periods. Monthly recurring charges apply for Local Distribution (TMECS), Channel Mileage Termination (CM6), and Channel Mileage (1L5XX) where appropriate.

1. Renewals

At the end of a TPP period, the customer must select one of the following options within one month prior to the expirations date:

- a. Renew the service for a one, three, or five year TPP as provided in this tariff;
- b. Elect to disconnect the service upon expiration of the billing period; or
- c. Continue the service on a monthly basis at the current monthly extension rates.

All services under an existing TPP that are not renewed within the period stated above will revert to Option (1)c above and be billed at the current monthly extension rates.

2. Conversions

During a customer's TPP term, conversions may be made to a new TPP term of the same or greater length. The expiration date of the new service must be beyond the expiration date of the original TPP term. With the new TPP, the customer incurs no liability for the remaining months on the original TPP.

An Administrative Charge is applicable when customers renew or change the length of the TPP term.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.11 OC-3, OC-12, OC-48 and OC-192 Dedicated Ring (Cont'd)

	USOC	36 Mo.	60 Mo.	Monthly Extension
(E) Mileage				
Per mile between nodes by ring type				
OC-3	IL5XX	\$ 260.00	\$ 200.00	\$330.00
OC-12	IL5XX	260.00	200.00	330.00
OC-48	IL5XX	260.00	200.00	330.00
OC-192	1L5XX	260.00	200.00	330.00
(F) Optical to Electrical Add/Drop Capability				
	USOC	36 Mo.	60 Mo.	Monthly Extension
Per Arrangement ^{/1/} (Per OC-192 node) not to exceed any configurable combination of ports beyond 192 STS-1 equivalents	MXJGX	\$2,500.00	\$2,000.00	\$3,500.00
Re-Map ^{/2//4/} Per Optical to Electrical DS-3 Add/Drop Capability	M6JGX	2,500.00	2,000.00	3,500.00
Per OC-3 to DS1 Add/Drop ^{/3/}	MXJDX	875.00	700.00	1,050.00
Re-Map ^{/4/} Per OC-3 to DS1 Add/Drop ^{/3/}	M8RDX	875.00	700.00	1,050.00
	USOC		Nonrecurring Charge	
Nonrecurring Charges for subsequent installation				
Per OC-3 to DS1, Add/Drop Capability	NRBS6		\$490.00	

- /1/ When electrical drops are required, the OC-192 Optical-to-Electrical Add/Drop Capability charge is applied in addition to the Add/Drop Capability charge set forth in Section 7.5.11 (C). (T)
- /2/ Available for rings established on or after November 17, 2006.
- /3/ An OC-3 port charge is needed with each Optical-to-Electrical Add/Drop Capability – Per OC-3 to DS-1 Add/Drop.
- /4/ Effective August 10, 2013, availability of Re-Map nodes is limited to Re-Map nodes that are in service or have been ordered prior to August 10, 2013.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.13 Gigabit Ethernet Metropolitan Area Network (GigaMAN[®]) (Cont'd)

A. GigaMAN[®] Service (Cont'd)

	USOC	Monthly Extension	12 Months	Recurring Charges Term Pricing Plan		NRC
				36 Months	60 Months	
(6) Protection -per GigaMAN[®] service arranged (Cont'd)						
(d) <u>Inter-Wire Center Path Protection</u> - Per Circuit	CPAHX	\$475.00	\$375.00	\$150.00	\$100.00	\$625.00
(e) Power Protection ⁽¹⁾	VBBGX	700.00	625.00	480.00	435.00	475.00

⁽¹⁾Power Protection rate elements are applicable as set forth in 7.2.13(K)(d).

(D)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.16 Optional Payment Plan Vintage Rates (Cont'd)

(B) Vintage Rates (Cont'd)

16. The following rates apply to OC-3 services installed prior to April 11, 2002, unless rates as specified under Section 7.5.9 (C) are lower, in which case the referenced rates apply. (T)

	USOC	Recurring Charges Optional Payment Plan		
		12 Mo.	24 Mo.	48 Mo.*
Local Distribution Channel				
- Per Point of Termination Terminating Bit Rate 155.52 Mbps	TMECS	\$1,607.00	\$1,607.00	\$1,368.00
Channel Mileage Termination				
- Per Point of Termination				
- Per Point of Mileage Termination 155.52 Mbps	CM6	\$469.00	\$469.00	\$399.00
Channel Mileage				
- Per Mile 155.52 Mbps	1L5XX	\$250.00	\$250.00	\$213.00
Optional Features and Functions				
(a) OC-3 Add/Drop Multiplexing				
- Per Arrangement	MPECX	\$1,107.00	\$1,107.00	\$939.00

* See 7.5.16(B) 8 for rates applicable for 48 month Optional Payment Plan services installed prior to September 14, 1999.

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.16 Optional Payment Plan Vintage Rates (Cont'd)

(B) Vintage Rates (Cont'd)

16. The following rates apply to OC-12 services installed prior to April 11, 2002, unless rates as specified under Section 7.5.9 (C) are lower, in which case the referenced rates apply.

(T)

	USOC	Recurring Charges Optional Payment Plan		
		12 Mo.	24 Mo.	48 Mo.*
Local Distribution Channel Per Point of Termination Terminating Bit Rate 622.08 Mbps	TMECS	\$4,000.00	\$4,000.00	\$3,400.00
Channel Mileage Termination - Per Point of Termination - Per Point of Mileage Termination 622.08 Mbps	CM6	\$700.00	\$700.00	\$595.00
Channel Mileage - Per Mile 622.08 Mbps	1L5XX	\$500.00	\$500.00	\$425.00
Optional Features and Functions (a) OC-12 Add/Drop Multiplexing - Per Arrangement	MPEDX	\$2,750.00	\$2,750.00	\$2,340.00

* See 7.5.16 (B) 9 for rates applied for 48 month Optional Payment Plan services installed prior to September 14, 1999.

ACCESS SERVICE

7. Special Access Service

7.5 Rates and Charges (Cont'd)

7.5.16 Optional Payment Plan Vintage Rates (Cont'd)

(B) Vintage Rates (Cont'd)

16. The following rates apply to OC-48 services installed prior to April 11, 2002, unless rates as specified under Section 7.5.9 (C) are lower, in which case the referenced rates apply. (T)

	USOC	12 Mo.	Recurring Charges Optional Payment Plan 24 Mo.	48 Mo.*
Local Distribution Channel				
- Per Point of Termination Terminating Bit Rate 2488.32 Mbps	TMECS	\$8,000.00	\$8,000.00	6,600.00
Channel Mileage Termination				
- Per Point of Mileage Termination 2488.32 Mbps	CM6	1,575.00	1,575.00	1,420.00
Channel Mileage				
- Per Mile 2488.32 Mbps	1L5XX	550.00	550.00	400.00
Optional Features and Functions				
(a) OC-48 Add/Drop* Multiplexing - Per Arrangement (not to exceed 12 DS3s or equivalent)	MXRFX	1,375.00	1,375.00	1,170.00

* See Section 7.5.16 (B) 10 for rates applicable for 48 month Optional Payment Plan services installed prior to September 14, 1999. (T)

ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.16 Optional Payment Plan Vintage Rates (Cont'd)

(B) Vintage Rates (Cont'd)

17. The following rates apply to OC-3/OC-3c services installed prior to September 26, 2002, unless rates as specified under Section 7.5.9(C) are lower, in which case the referenced rates apply.

(T)

	USOC	12 Month	36 Month	60 Month
Channel Mileage -Per Mile 155.52 Mbps	1L5XX	\$250.00	\$213.00	\$200.00

ACCESS SERVICE

21. Metropolitan Statistical Area Access Services (Cont'd)

21.1 General Description

(A) This section of the tariff provides the regulations, rates and terms and conditions that apply to telecommunications services provided by the Telephone Company in the Metropolitan Statistical Areas (MSAs) in which the Telephone Company has received Phase II pricing flexibility pursuant to Subpart H of Part 69 of the Commission's Rules. MSAs are divided into the categories below:

(1) Full Service MSAs

Full Service Relief MSAs are those MSAs which qualified for Phase II pricing flexibility for all elements of service, i.e., local channels (channel terminations) between LEC end offices and customer (end user) premises; entrance facilities; dedicated interoffice facilities; local channels (channel terminations) between an interexchange carrier's point of presence and a serving wire center. The Full Service Relief MSAs are set forth in Section 21.2 (A).

(D)

(2) Limited Service MSAs

Limited Service Relief MSAs are those MSAs that qualified for Phase II pricing flexibility for all elements of service except local channels (channel terminations) between a LEC end office and a customer (end user) premise. The Limited Service Relief MSAs are set forth in Section 21.2 (B).

(D)

(B) The services provided in MSAs pursuant to this section of the tariff are set forth in Section 21.3. These services are comparable to the Special Access Services in Sections 7 and 11 and to the Switched Access Dedicated Transport Services in Section 6. The general regulations, service descriptions and rate regulations for the Special Access Services in Sections 7 and the Switched Access Services in Section 6 are also applicable to the services specified in this section.

(D)

(T)

(C) Unless otherwise provided for in this section, regulations set forth in Sections 1, 2, 5, and 13 are also applicable.

ACCESS SERVICE

21. Metropolitan Statistical Area Access Service

21.3 Services Available in an MSA

The following services are available in MSAs with Full and Limited Service Relief:

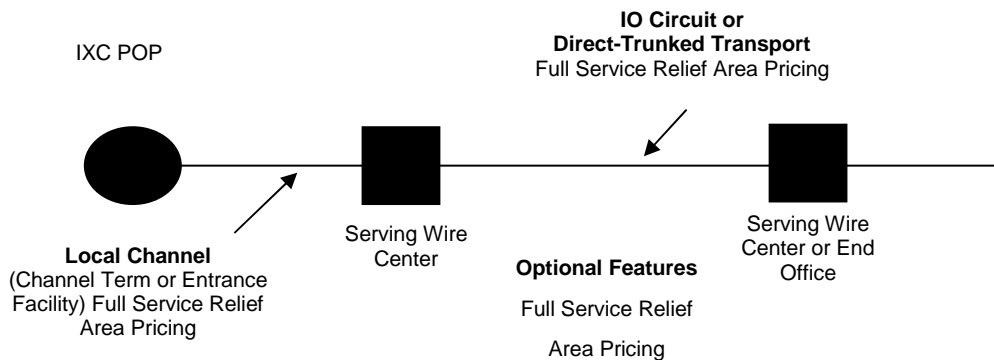
Special Access	Switched Access/Dedicated Transport
Metallic Service	Voice Grade
Telegraph Grade Service	LT-1
Voice Grade Service	LT-3
Program Audio Service	Switched Sonet
Video Service	Signaling
AIT Base Rate Service	SS7
AIT Direct Digital Service	Telecom Relay Service
AIT DS1	
AIT DS3	
Optical Carrier Network (OCN) Point-to-Point Service	
AIT OC-3 Dedicated Ring	
AIT OC-12 Dedicated Ring	
AIT OC-48 Dedicated Ring	
AIT OC-192 Dedicated Ring	
Gigabit Ethernet Metropolitan Area Network (GigaMAN)	
Multi-Service Optical Network (MON) Ring Service ^{/2/}	
SONET Express Service ^{/1/}	
DecaMAN [®] (10 Gigabit Ethernet Metropolitan Area Network)	
WaveMAN [®] (Wavelength Metropolitan Area Network)	

21.4 Rate Regulations

- (A) Figure 1 illustrates services provided totally from an MSA located in a Full Service Relief Area. The rates and charges for all associated rate elements for services in a Full Service Relief Area are contained in Section 21.5.

(D)

Full Service Relief Area – Figure 1



/1/ Effective April 24, 2012, SONET Xpress is available only to existing Customers, for existing service arrangements. Existing Customers may continue to receive service under existing service arrangements, or on a month-to-month basis after their existing service arrangements expire, until SONET Xpress is discontinued.

/2/ Effective March 8, 2013, new Multi-service Optical Network (MON) Ring Service term plans are no longer available. Following the expiration of their existing term plans, MON Ring Service Customers may continue to purchase service on a month-to-month basis. Customers will be permitted to modify their existing service and will be able to add new circuits to their existing service, but will not be permitted to add new nodes in new locations. Any such new circuits will be subject to, and coterminous with, the Customer's existing term payment plan or term agreement for the service to which they are added.

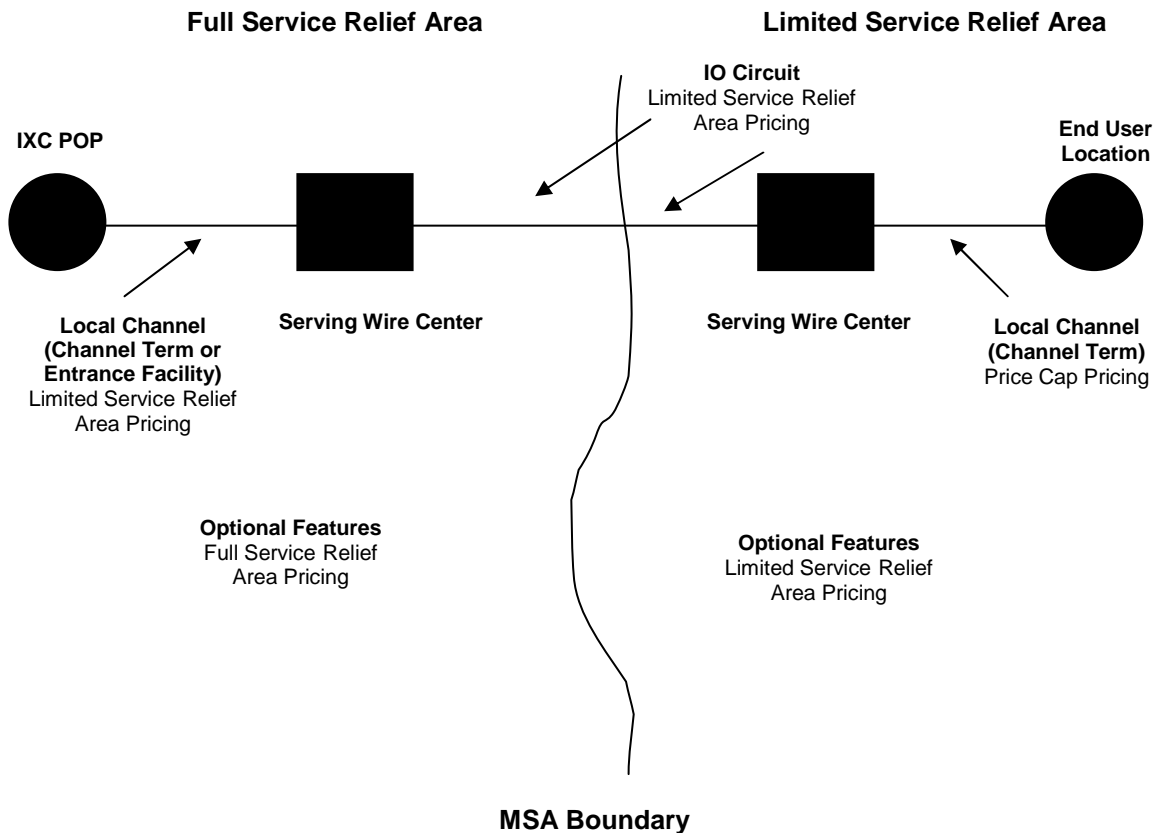
ACCESS SERVICE

21. Metropolitan Statistical Area Access Services (Cont'd)

21.4 Rate Regulations (Cont'd)

- (C) Figure 3 illustrates a service provided from two MSAs with one MSA located in a Full Service Relief Area and one MSA located in a Limited Service Relief Area. The rates and charges for local channels and optional features located in the Full Service Relief Area are obtained as previously stated in Section 21.4 (A). The rates and charges for local channels and optional features located in the Limited Service Relief Area are obtained as stated in Section 21.4 (B). Interoffice channels between a Full Service Relief Area and a Limited Service Relief Area are rated the same as that of an interoffice channel in a Limited Service Relief Area and rates and charges are obtained as stated in Section 21.4 (B). (T)

Figure 3



ACCESS SERVICE

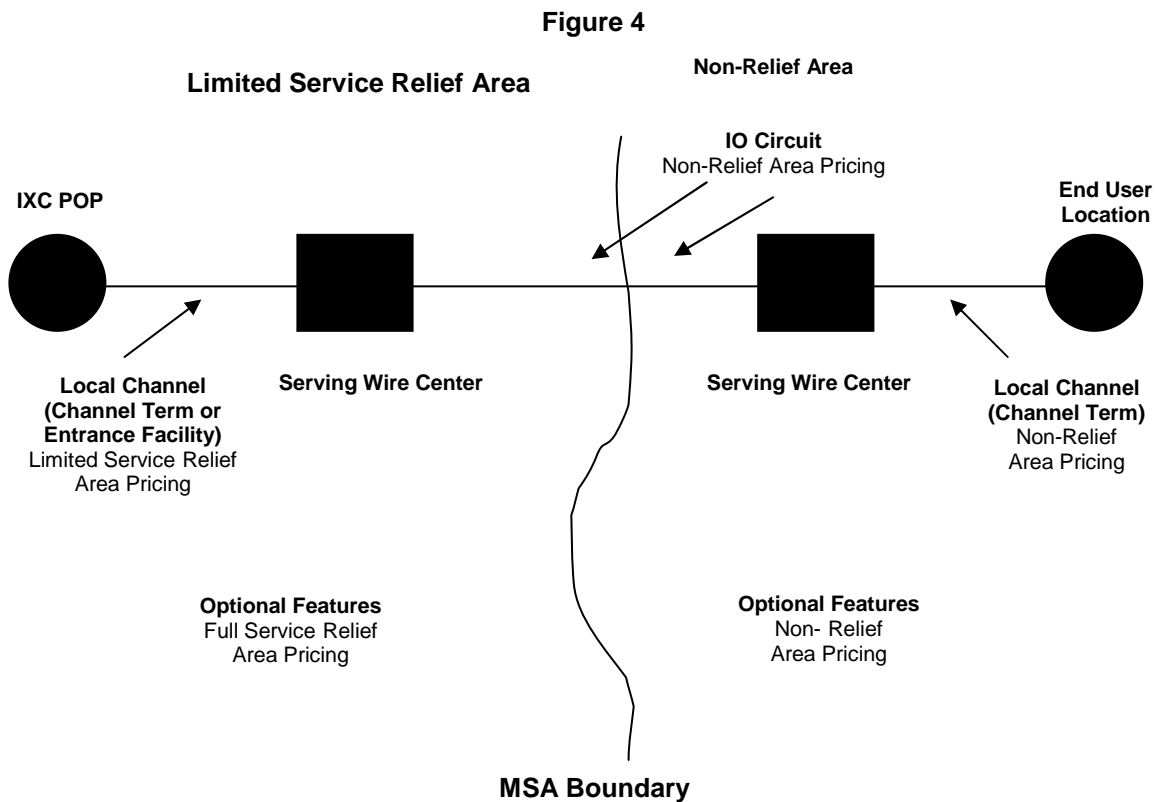
21. Metropolitan Statistical Area Access Services (Cont'd)

21.4 Rate Regulations (Cont'd)

(D) Figure 4 illustrates a service provided from two MSAs with one MSA located in a Full Service Relief Area and one MSA located in a Non-Relief Area. The rates and charges for local channels and optional features located in the Full Service Relief Area are obtained as stated in Section 21.4 (A). (T)

Interoffice channels between a Full Service Relief Area and a Non-Relief Area are rated the same as that of an interoffice channel in a Non-Relief Area.

Rates and charges for local channels, interoffice channels and optional features in a Non-Relief Area are obtained in Section 6, Sections 7 and Section 11 of this Tariff.



ACCESS SERVICE

21. Metropolitan Statistical Area Access Services (Cont'd)

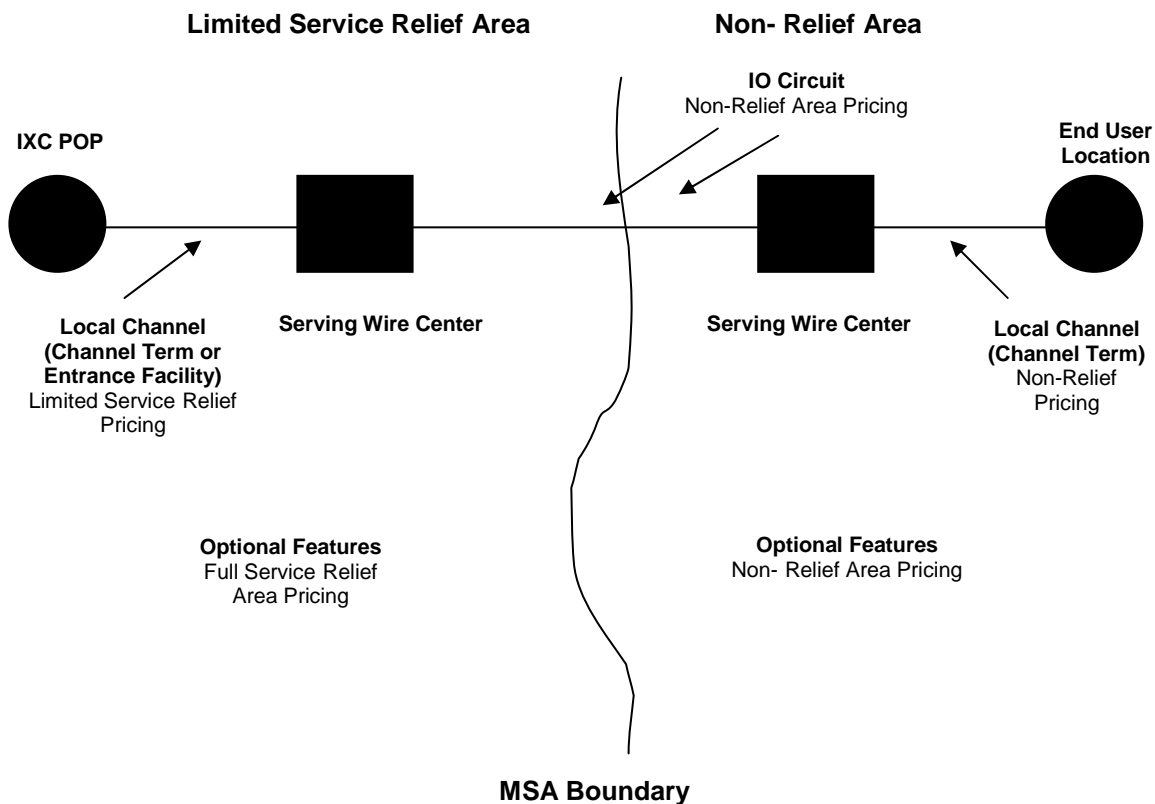
21.4 Rate Regulations (Cont'd)

(E) Figure 5 illustrates service provided from two MSAs with one MSA located in a Limited Service Relief Area and one MSA located in a Non-Relief Area. The rates and charges for local channels and optional features located in the Limited Service Relief Area are obtained as stated in Section 21.4 (B). (T)

Interoffice channels between a Limited Service Relief Area and a Non-Relief Area are rated the same as that of an interoffice channel in a Non-Relief Area.

Rates and charges for local channels, interoffice channels and optional features in a Non-Relief Area are obtained in Section 6, Sections 7 and Section 11 of this Tariff.

Figure 5



ACCESS SERVICE

24. Optical Ethernet Metropolitan Area Network (OPT-E-MAN®) (Cont'd)

24.1 Service Description (Cont'd)

(3) Meet-Point billing options – Meet-Point, where available, may be offered in two configurations:

Direct LEC Connection is provisioned using standard OPT-E-MAN® Basic or Basic Plus Connections⁽¹⁾ and associated Committed Information Rate (CIR),⁽¹⁾ plus mileage. The mileage is measured in airline miles from the OPT-E-MAN® switch location to the ILEC (ICO) meet-point location.

GigE ICO Trunking Arrangement applies an Independent Company (ICO) Trunk Connection charge between the OPT-E-MAN® switch to the meet-point that is shared with the ILEC (ICO) Ethernet switch. The ICO Trunk Connection charge is applied to each Customer Ethernet Virtual Channel (EVC) that is transported on the GigE Trunk backbone to the meet-point.⁽²⁾ The trunk mileage charge is from the OPT-E-MAN® switch to the meet-point for mileage that exceeds 10 miles. The mileage charge is applicable to each ICO Trunk Connection (EVC) transported access the GigE Trunk.

(H) Term Pricing Plan

The OPT-E-MAN® Term Payment Plan (TPP) is a term plan that allows a customer to purchase OPT-E-MAN® Service over a 1-, 2-, 3-, or 5-year period. During the term of the selected TPP, Telephone Company initiated recurring rate changes (increases or decreases) will automatically be applied to the monthly payments for the remaining months of the current TPP term; however, the monthly recurring rate during the TPP term will never exceed the initial TPP rate. The TPP rates can be found in Section 24.2. The customer must commit to at least a 12-month TPP to qualify for the service.

The Administrative Charge is a nonrecurring charge that applies for each Access Order. The Administrative Charge will be waived for all orders requesting new service. Administrative Charges for OPT-E-MAN® are set forth in Section 24.2(D). (T)

(I) Moves

Moves involve a change in the physical location of one of the following:

- (i) Service rearrangement;
- (ii) Point of Termination at the customer's premises;
- or
- (iii) Customer's premises.

Move charges are dependent upon the type of move requested by the customer.

(1) Service Rearrangement

Service rearrangements are changes to existing (installed) services, which do not result in a change in the minimum period requirements, as set forth in Section 7.4.2.

(2) Moves Within the Same Building

When the move is to a new location within the same building, the Administration charge, all associated nonrecurring charges, and Customer Connection charge for the service termination affected will apply. There will be no change in the minimum period requirements, as described in Section 7.4.6.

⁽¹⁾ Basic and/or Basic Plus Connection and CIR rate elements are available in Section 24.2(A) and (B). Direct LEC Mileage rate elements are available in Section 24.2(E)(3)(a).

⁽²⁾ ICO Trunk Connection and ICO Trunk Mileage rate elements are available in Section 24.2(E)(3)(b).

ACCESS SERVICE

26. 10 Gigabit Ethernet Metropolitan Area Network (DecaMAN[®]) (Cont'd)

(C) Non-recurring Charges

Non-recurring charges are one-time charges that apply for specific work activity related to the provisioning of DecaMAN[®] Service, as described in Section 7.4.2.

(D) Recurring Charges

Recurring Charges are rates that apply each month or fraction thereof that the service is provided. Recurring rates apply to 12-, 24-, 36-, or 60-month term periods under the terms and conditions of a Term Pricing Plan (TPP), discussed in Section 26 (F). (T)

(E) Monthly Extension Rates

Upon completion of a TPP, customer's service will automatically convert to the Monthly Extension Rates unless the customer requests a new TPP.

(F) Term Pricing Plan (TPP)

DecaMAN[®] is available for 12-, 24-, 36-, or 60-month term periods. If the Telephone Company initiates rate changes resulting in a decrease of rates for an existing service with a TPP, those rate changes will be passed along to the customer. Rate changes resulting in an increase of rates for an existing service with a TPP will not exceed the original rate for that selected TPP.

(1) Renewals

At the end of a TPP period, the customer must select one of the following options within one month prior to the expiration date:

- (a) Renew the service for a one, two, three, or five year TPP as provided in this tariff;
- (b) Elect to disconnect the service upon expiration of the billing period; or
- (c) Continue the service on a monthly basis at the current Monthly Extension Rates.

All services under an existing TPP that are not renewed within the period stated above will revert to Option (1)(c) above and will be billed at the current Monthly Extension Rates.

ACCESS SERVICE

26. 10 Gigabit Ethernet Metropolitan Area Network (DecaMAN[®]) (Cont'd)

(G) Moves (Cont'd)

(4) (Cont'd)

- (b) If the DecaMAN[®] service was installed with protection options and the customer subsequently requests a move of the channel termination within the same building after installation, a change may be required to the customer premises based Telephone Company equipment, which will be determined by the Telephone Company. Nonrecurring charges as set forth in Section 26 (C) are applicable (one-half the nonrecurring charge per channel termination). With this upgrade the customer will experience an out of service condition.

(D)

(H) Mileage Measurement

(1) Standard Two-Fiber Circuit

The mileage is calculated on the airline distance between the locations involved, i.e. the serving wire centers associated with two customer designated premises and an international boundary point, a serving wire center associated with a customer designated premise and a Telephone Company Hub, a serving wire center associated with a customer designated premise and a WATS Serving Office as described in Section 7.4.7.

(2) Diversely Routed Circuit

Described in Section 26(B)(6)(a).

ACCESS SERVICE

26. 10 Gigabit Ethernet Metropolitan Area Network (DecaMAN[®]) (Cont'd)

(J) Optional Features

(1) Protection Options

Protection options are provisioned on the customer's DecaMAN[®] service, and the customer is not required to purchase a second DecaMAN[®] circuit for protection options. Protection options are applied on a per DecaMAN[®] circuit basis only.

Protection options are available where facilities and/or operating conditions permit. Where facilities and/or operating conditions do not permit, Special Construction charges, as set forth in Ameritech Tariff F.C.C. No. 3 may apply. Protection options provide additional levels of reliability to DecaMAN[®] service. There are multiple protection options offered. The options do not need to be the same, but both Channel Terminations of the DecaMAN[®] service must include some form of protection for the service to be considered protected.

The Telephone Company will design the protection option based upon the configuration of the customer's DecaMAN[®] service.

Additional repeaters may be necessary on the protected path as determined by the Telephone Company and set forth in Section 26 (B) (3).

(D)

If the DecaMAN[®] service was installed without protection and the customer subsequently requests protection options after the DecaMAN[®] order has been completed, and customer premises locations remain the same, a change to the customer premises based Telephone Company equipment is required. This change will be treated as an upgrade to the DecaMAN[®] service, and Installation, Rearrangement and Protection nonrecurring charges are applicable. This change will require a disconnect of the existing DecaMAN[®] service and placement of an order for the new DecaMAN[®] service for the same customer of record. With this upgrade the customer will experience a temporary out of service condition.

Protection switching in less than 50 milliseconds will occur on DecaMAN[®] services with protection options, with the exception of Power Protection, which is not Switch protected. Protection options are offered with a Service Level Agreement (SLA) that targets a service availability of 99.99%. SLA are not applicable in the event of a cable cut in any unprotected portion of the DecaMAN[®] service fiber path or when customer requested modifications to the service require down time.

ACCESS SERVICE

26. 10 Gigabit Ethernet Metropolitan Area Network (DecaMAN®) (Cont'd)

(N) Rates and Charges (Cont'd)

(1) Recurring Charges (Cont'd)

(a) LAN-PHY (Cont'd)

	USOC	Monthly Extension	Term Pricing Plan				NRC
			12 Mo.	24 Mo.	36 Mo.	60 Mo.	
(4) Diversity Options (Cont'd)							
Alternate Wire Center Diversity							
- Per Channel Terminating Bit Rate 10 Gbps	CPAAX	\$ 6,300.00	\$ 4,860.00	\$ 4,320.00	\$ 3,600.00	\$ 3,240.00	\$ 950.00
(5) Collocation Transport facilities between Collocation Arrangements							
- Fixed	1H48S	9,600.00	6,700.00	4,800.00	4,200.00	3,800.00	-
- Per Mile	1H48S	425.00	300.00	250.00	125.00	100.00	-
(6) Protection – per DecaMAN® service arranged							
- Equipment Only Protection, per terminating end	CPAEX	9,000.00	8,250.00	7,350.00	6,300.00	5,400.00	3,000.00
- Equipment Plus Alternate Wire Center Path Protection, per terminating end	CPAFX	14,760.00	12,300.00	11,040.00	9,600.00	8,400.00	4,500.00(1) (T)
- Equipment Plus Channel Termination (Local Channel) Path Protection, per terminating end	CPAGX	13,140.00	10,950.00	9,900.00	8,550.00	7,350.00	4,200.00

(1) Power Protection rate elements are applicable, as set forth in Section 26 (K). (T)

ACCESS SERVICE

26. 10 Gigabit Ethernet Metropolitan Area Network (DecaMAN®) (Cont'd)

(N) Rates and Charges (Cont'd)

(1) Recurring Charges (Cont'd)

(a) LAN-PHY (Cont'd)

	USOC	Monthly Extension	Term Pricing Plan				NRC
			12 Mo.	24 Mo.	36 Mo.	60 Mo.	
(6) Protection – per DecaMAN® service arranged (Cont'd)							
- Inter Wire Center Path Protection, per Circuit	CPAHX	\$ 1,425.00	\$ 1,125.00	\$ 600.00	\$ 450.00	\$ 300.00	\$625.00
- Power Protection ⁽¹⁾	VBBGX	700.00	625.00	525.00	480.00	435.00	475.00

(b) WAN-PHY

(1) Local Distribution Channel

- Per Point of Termination Terminating Bit Rate 10 Gbps	TMECS	19,800.00	16,500.00	13,200.00	9,600.00	8,200.00	N/A
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(2) Interoffice Transport Mileage

(a) Channel Mileage Termination

- per point of termination, per point of mileage termination							
- Rate 10 Gbps	CM6	1,800.00	1,350.00	900.00	637.50	575.00	N/A

(b) Channel Mileage

- Per Mile							
- Rate 110 Gbps	1L5XX	425.00	300.00	250.00	125.00	100.00	N/A

(3) Repeater

- each	VU4	7,200.00	6,000.00	4,800.00	3,400.00	2,900.00	N/A
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(1) Power Protection rate elements are applicable, as set forth in Section 26 (K).

(T)

ACCESS SERVICE

26. 10 Gigabit Ethernet Metropolitan Area Network (DecaMAN®) (Cont'd)

(N) Rates and Charges (Cont'd)

(1) Recurring Charges (Cont'd)

(b) WAN-PHY (Cont'd)

	USOC	Monthly Extension	Term Pricing Plan				NRC
			12 Mo.	24 Mo.	36 Mo.	60 Mo.	
(6) Protection - per DecaMAN® service arranged (Cont'd)							
- Equipment Plus Alternate Wire Center Path Protection, per terminating end	CPAFX	\$14,760.00	\$12,300.00	\$11,040.00	\$9,600.00	\$8,400.00	\$4,500.00
- Equipment Plus Channel Termination (Local Channel) Path Protection, per terminating end	CPAGX	13,140.00	10,950.00	9,900.00	8,550.00	7,350.00	4,200.00
- Inter Wire Center Path Protection, pre Circuit	CPAHX	1,425.00	1,125.00	600.00	450.00	300.00	625.00
- Power Protection ⁽¹⁾	VBBGX	700.00	625.00	525.00	480.00	435.00	475.00

(2) Installation and Rearrangement Charges

(a) LAN-PHY

	USOC	Nonrecurring Charge ⁽²⁾
(1) Administrative Charge per Order	ORCMX	\$ 60.00
(2) Design Central Office Connection Charge per circuit	NRBCL	600.00
(3) Customer Connection Charge per Termination	NRBBL	1,400.00

(1) Power Protection rate elements are applicable, as set forth in Section 26 (K).

(2) The Installation and Rearrangement non-recurring charges will be waived for customers purchasing a 36 or 60 month term pricing plan.

(T)

ACCESS SERVICE

27. Wavelength Metropolitan Area Network (WaveMANSM)

27.1 Service Description

(A) Basic Channel Description

WaveMANSM is a fiber based, point-to-point, Wavelength service that allows customers to transport SONET OC48, SONET OC192 or other optical data signals at 100 Mbps – 10 Gbps between two locations. WaveMANSM transports SONET signals at one of two rates. An OC-48 (STM16) interface will be transported at a line rate of 2.4853 (2.5) Gigabits per second, while an OC192 (STM64) interface will be transported at a line rate of 9.95328 (10) Gigabits per second (Gbps). Transparent Transport has two options. The first option allows the transmission of data between 100 Mbps – 2.5 Gbps while the other option allows the transmission of data between 2.5 Gbps – 10 Gbps. The Transparent Transport does not contain any monitoring above the physical layer.

Rates and charges for WaveMANSM Service are set forth in Section 27.2, with the exception of the services provided by the Telephone Company in the Metropolitan Statistical Areas (MSAs) in which the Telephone Company has received Phase II pricing flexibility pursuant to Subpart H of Part 69 of the Commission's Rules. The rates and charges for the WaveMANSM Service in the MSAs that have received Phase II pricing flexibility are set forth in Section 21.

(D)

(B) Service Provisioning

(a) There are four provisioning options for WaveMANSM:

1. OC-48, which provides 2.4853 (2.5) Gigabits per second transport
2. OC-192, which provides 9.95338 (10) Gigabits per second transport
3. 100 Mbps – 2.5 Gbps Transparent Transport
4. 2.5 Gbps – 10 Gbps Transparent Transport

/1/