

## ACCESS SERVICE

CHECK SHEET

Title Page and Pages 1 to 301 inclusive of this tariff are effective as of the date shown. Original and revised pages as named below and Supplement Nos. 17, 38, 58, 60, 64, 66, 67, 68, 69, 71, 73, 74, 75, 76, 77, 78, 79, 80, 81 and 82 contain all changes from the original tariff that are in effect on the date hereof.

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.3 Cancellation of an Order for Service

Provisions for the cancellation of an Access Order for Switched Access, Special Access, or ELI Service are set forth in 5.2.2(B), 5.2.3 and 5.4.5 following.

2.4.4 Credit Allowance for Service Interruptions(A) General

A service is interrupted when it becomes unusable to the customer because of a failure of a facility component used to furnish service under this tariff or in the event that the protective controls applied by the Telephone Company result in the complete loss of service by the customer as set forth in 6.5.1 following. An interruption period starts when an inoperative service is reported to the Telephone Company, and ends when the service is operative.

(B) When a Credit Allowance Applies

In case of an interruption to any service, allowance for the period of interruption, if not due to the negligence of the customer, shall be as follows:

- (1) For Switched Transport Voice Grade Entrance Facilities, and Voice Grade Direct Trunked Transport, and for Special Access Services other than Program Audio, Video Services, MercNET 45, OC-3, OC-12, OC-48 Services and OC-192 Services and Shared SONE (N) Service, no credit shall be allowed for an interruption of less than thirty (30) minutes. The customer shall be credited for an interruption of 30 minutes or more at the rate of 1/1440 of the monthly charges for the facility or service for each period of 30 minutes or major fraction thereof that the interruption continues.

The monthly charges used to determine the credit shall be as follows:

- (a) For two-point Special Access services, the monthly charge shall be the total of all the monthly rate element charges associated with the service.\*

\*(i.e., Channel Terminations, Channel Mileage, optional features and functions, and, when applicable, surcharge for Special Access Service).

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2. General Regulations (Cont'd)2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.4 Credit Allowance for Service Interruptions (Cont'd)(B) When A Credit Allowance Applies (Cont'd)

- (3) For Directory Assistance Service and ELI Service, no credit shall be allowed for an interruption of less than 24 hours. The customer shall be credited for an interruption of 24 hours or more at the rate of 1/30 of the monthly rates.
- (4) The credit allowance(s) for an interruption or for a series of interruptions shall not exceed the monthly rates. The allowable credit will be computed based upon the billing method which applies to the service being credited. A credit shall be given for one occurrence only during the first month of service.
- (5) For certain Special Access services (High Capacity, OC-3, OC-12, OC-48 and OC 192 Services; and Shared SONET Service) any period during which the error performance is below that specified for the service will be considered as an interruption. (N)
- (6) Service interruptions for Specialized Service or Arrangements provided under the provisions of 10. or 12. following shall be administered in the same manner as those set forth in this section (2.4.4) unless other regulations are specified with the individual case filing.

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2. General Regulation2.4 Payment Arrangements and Credit Allowances (Cont'd)2.4.4 Credit Allowance for Service Interruptions (Cont'd)(B) When a Credit Allowance Applies (Cont'd)

- (7) For Switched Transport Entrance Facilities and Direct Trunked Transport, other than Voice Grade, for any CCSAC Signaling Link Channel Terminations and Mileage (fixed and per mile), OC-3, OC-12, OC-48 and OC-192 Special Access Services and Shared SONENT Service, a Credit Allowance will be made for each occurrence of a Service interruption period of (1) one or more consecutive minutes. For MercNet 45 service a Credit Allowance will be made for each occurrence of a Service interruption period of (2) two or more consecutive hours. The credit allowance rate can only be applied once on a per calendar month, per circuit basis. The credit allowance is applied to the customer bill in addition to the existing monthly service rates for Switched Transport Entrance Facilities and Direct Trunked Transport and for MercNet 45 services and Shared SONENT DS3 Service. The customer credit allowance is the monthly rate associated with the Switched Transport Entrance Facility and Direct Trunked Transport (fixed and per mile), and the CCSA signaling link channel terminations and mileage (fixed and per mile) charges in Section 6 of this tariff or the Special Access channel termination and mileage (fixed and per mile) charges and the Network Access Connection, Off-Network Access Connection and Service Area Network Access Connection and Service Area Transport charges in Section 7 of this tariff. (N)
- (8) When a Switched Access Direct Trunked facility, other than Voice Grade, experiences an interruption of service, a credit allowance will apply as described in 2.4.4(B)(7) presiding. However, when a customer who has both Direct Trunked and Access Tandem services to the same central office experiences a service interruption on the direct trunks, the customer will receive a credit based on the traffic that is diverted from the out-of-service facility to the tandem and charged at tandem rates.

The MOU credit will be derived by assuming 9000 MOU per trunk per month. Therefore, the daily credit would be limited to 300 MOU per trunk.

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7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.5 Video Service (Cont'd)(E) Serial Component Video Service (TV-270)

(N)

Serial Component Video Service (SCVS) is a broadband digital video transport channel with one-way transmission capability. SCVS provides 270 Mbps high quality video as defined by the Society of Motion Picture and Television Engineers (SMPTE) Standard 259M. This standard describes a serial digital interface, 525 line/60 field National Television Systems Committee (NTSC) digital television equipment operating with 4:2:2 serial component signals that conform to American National Standard Institute (ANSI) digital format.

One to 4 audio signals may be provided at 20kHz.

A Channel Termination charge applies for each termination of SCVS. A fixed and per mile Channel Mileage rate element also applies for the transmission facility between the serving wire centers of the Customer's designated premises. Monthly recurring Channel Termination and Channel Mileage rates are shown in Sections 7.5.5 (D) and 7.5.5 (B) respectively.

Where facilities for SCVS are not available, Special Construction charges may apply.

(N)

## 7.2.6

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7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.11 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service (N)  
- Point-to-Point Service(A) Basic Channel Description(1) General

Point-to-Point OC-3, OC-12, OC-48 and OC-192 channels provide high speed synchronous optical fiber-based full duplex data transmission capabilities. These services provide optical data transmission with the following characteristics: (N)

- OC-3 Service provides channels operating at the terminating bit rate of 155.52 Mbps; and,
- OC-12 Service provides channels operating at the terminating bit rate of 622.08 Mbps.
- OC-48 Service provides channels operating at the terminating bit rate of 2488.32 Mbps.
- OC-192 Service provides channels operating at the terminating bit rate of 9953.28 Mbps. (N)

OC-3, OC-12, OC-48 and OC-192 channels may be used to connect: (N)

- one customer-designated premise to another customer-designated premise, either with or without the add/drop multiplexing capability at wire center locations between the two premises.
- a customer-designated premise to a Telephone Company location where add/drop multiplexing, add/drop functions and/or cross-connections are performed.

Optical Transmission paths for OC-3, OC-12, OC-48 and OC-192 Services are differentiated by bit rate and the quality of transmission as delineated by the Optical Interface specified in established standard and technical publications. (N)

OC-3, OC-12, OC-48, and OC-192 Service may be connected by (1) using the appropriate OC-3, OC-12, OC-48 or OC-192 add/drop multiplexer (mux) along with the add/drop function to a DS1 and/or DS3, OC-3, OC-12, OC-48 at suitably equipped wire centers, or (2), by using the full bandwidth premise to premise. (N)

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7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.11 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service (N)  
- Point-to-Point Service (Cont'd)(A) Basic Channel Description (Cont'd)(1) General (Cont'd)

OC-3 Service, OC-12 Service, OC-48 Service and  
OC-192 Service based on customer requirements (N)  
can be configured in any of the following ways:

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 CBT  
network;
- a single concatenated STS-3C channel.

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 CBT 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.

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7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.11 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service (N)  
- Point-to-Point Service (Cont'd)(A) Basic Channel Description (Cont'd)(1) General (Cont'd)

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 CBT 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.

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7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.11 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service  
- Point-to-Point Service (Cont'd) (N)(A) Basic Channel Description (Cont'd)(1) General (Cont'd)

OC-192 - One hundred ninety two STS-1 channels (N)  
which each contain:

- 1 DS3 that is STS1 mapped
- 64 concatenated STS-3C channels;
- 16 concatenated STS-12C channels;
- 4 concatenated STS-48c channels

Any of the above arrangements may be used with each other (N)  
within the OC-192 bandwidth.

The customer is responsible via the ordering process to (N)  
identify what STS signal configuration is to be contained  
in each OC-3, OC-12, OC-48 and OC-192 service connection (N)  
and each STS-1, STS-3, STS-12 and/or STS-48 payload (N)  
content. This information is needed for routing and  
connection purposes in the network.

(B) Channel Configuration

## (1) OC-3, OC-12, OC-48 and OC-192 Channel Terminations (N)

OC-3, OC-12, OC-48 and OC-192 Channels consist of (N)  
Channel Terminations (CTs), interoffice mileage and  
optional features and functions.

OC-3, OC-12 OC-48 and OC-192 Channel Terminations (N)  
provide optical interconnection between the Telephone  
Company Serving Wire Center (SWC) and the customer  
premise.

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.11 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service (N)  
- Point-to-Point Service (Cont'd)(B) Channel Configuration (Cont'd)

The following types of CTs are available:

<u>Terminating Bit Rate</u>	<u>Loop Format*</u>	<u>Data Transmission Format</u>
155.52	2 fiber	Synchronous
622.08	2 fiber	Synchronous
2488.32	2 fiber	Synchronous
9953.28	2 fiber	Synchronous

When OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service is provided, the customer is responsible for providing the Optical Line Termination (OLT) at the customer's premise. The OLT supplied at the customer premise must be compatible with the OLT used by the Telephone Company in the Serving Wire Center. The Telephone Company will work cooperatively with the customer to select compatible OLTs which conform to the requirements set forth in established standard and technical publications. (N)

## (1) OC-3, OC-12, OC-48 and OC-192 Channel Terminations (N)

All CTs comprising a channel must have the same terminating bit rate unless multiplexing is performed at a Telephone Company Hub location.

## (2) Channel Mileage

Channel Mileage facilities, comprised of Fixed and Per Mile as described in Section 7.1.2(B) preceding, provide the transmission paths between Serving Wire Centers associated with two customer-designated premises or between a Serving Wire Center associated with a customer premise and a Telephone Company Hub location. Four Channel Mileage types are available - OC-3 which supports 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 transport at a bit rate of 9953.28. (N)

\*Unidirectional Path Switched Rings

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- Point-to-Point Service (Cont'd)(B) Channel Configuration (Cont'd)(2) Channel Mileage (Cont'd)

OC-3 CTs are interconnected to OC-3 transport.  
OC-12 CTs are interconnected to OC-12 transport.  
OC-48 CTs are interconnected to OC-48 transport.  
OC-192 CTs are interconnected to OC-192 transport. (N)

In addition, Channel Mileage can be connected between wire centers with Add/Drop multiplexing at a lower OC-N speed than the CT, if the transport is between a lower speed Add/Drop Function and:

- another lower speed Add/Drop Function;
- another lower speed Channel Termination;
- a lower speed Dedicated Ring Port;
- a lower speed Cross-Connect.

All of the above terminations must be the same speed as the Channel Mileage.

(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-Connection, 1+1 (N)  
Protection with Route Survivability, 1+1 Protection with Central Office Survivability, and OC-48 and OC-192 Regenerator. (N)

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

An arrangement that allows an OC-3, OC-12, OC-48 or OC-192 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 in (b) following. (N)

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- Point-to-Point Service (Cont'd)(B) Channel Configuration (Cont'd)(3) Optional Features and Functions (Cont'd)(a) OC-3, OC-12 and OC-48 Add/Drop Multiplexing  
(Cont'd)

OC-3 add/drop multiplexing at a Telephone 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 Telephone 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 12 DS3 add/drop functions or equivalent combinations of OC-3 and DS3 add/drop functions.

OC-48 add/drop multiplexing at a Telephone 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 12 DS3 add/drop functions or equivalent combination of OC-3 and DS3 add/drop functions.

OC-192 add/drop multiplexing at a Customer Premise will provide the capability to support the full add/drop function capacity of OC-192 service bandwidth with one OC-192 add/drop function, up to four OC-48 add/drop functions, up to 16 OC-12 add/drop functions, up to 64 OC-3 add/drop functions or up to 192 DS3 add/drop functions or equivalent combination of DS3, OC-3, OC-12 and OC-48 add/drop functions. (N)

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- Point-to-Point Service (Cont'd)(B) Channel Configuration (Cont'd)(3) Optional Features and Functions (Cont'd)

## (b) Add/Drop Function

The OC-3, OC-12, OC-48 and OC-192 Service (N) are 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, they would pay one add/drop charge for the DS3, plus the OC-12 add/drop multiplexing charge.

The OC-3, OC-12, OC-48 and OC-192 Service is (N) 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 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 stated in Section 7.2.9.

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

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- Point-to-Point Service (Cont'd)(B) Channel Configuration (Cont'd)(3) Optional Features and Functions (Cont'd)

## ADD/DROP Function

	DS1	DS3	OC3	OC12	OC-48	OC-192	(N)
OC-192	No*	Yes	Yes	Yes	Yes	Yes	(N)
OC-48	No*	Yes	Yes	Yes	Yes	N/A	
OC-12	No*	Yes	Yes	Yes	N/A	N/A	
OC-3	Yes	Yes	Yes	N/A	N/A	N/A	

\* to add/drop a DS1 from an OC-12 OC-48 and/or OC-192, an Optical to Electrical DS1 Add/Drop Capability must be purchased as well as an OC-3 Add/Drop Function and a DS1 Add/Drop Function. (N)

## (c) OC-3, OC-12, OC-48 and OC-192 Cross-Connection (N)

This is an arrangement to cross-connect OC-3 Service, OC-12 Service OC-48 Service, or OC-192 Service to another service or to an add/drop function of the same speed at a wire center for the same or for a different customer on a per circuit basis. The customer must purchase service to the wire center from his designated premise. One charge applies per service cross-connected. (N)

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- Point-to-Point Service (Cont'd)(B) Channel Configuration (Cont'd)(3) Optional Features and Functions (Cont'd)

## (d) 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. The protect fiber will be charged on a distance-sensitive basis, based on quarter route miles, from the customer premise to the serving wire center.

This option will also provide 50 millisecond protection switching to assure 100 percent 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 Channel Termination without this option, normal terms and conditions for out-of-service credits as stated in 2.4.4 preceding 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. All other terms and conditions for Credit Allowances as stated in 2.4.4 preceding, will apply.

Installation of the 1+1 Protection with Route Survivability option will not begin until the customer has accepted the proposed routing by the Telephone Company.

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- 7.2.11 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service (N)  
- Point-to-Point Service (Cont'd)

(B) Channel Configuration (Cont'd)(3) Optional Features and Functions (Cont'd)

- (e) 1+1 Protection with Central Office Survivability  
for OC-3, OC-12, OC-48 and OC-192 (N)

- (a) This option will provide 1+1 protection and offer additional protection from Serving Wire Center (SWC) failure for services not terminating at the SWC. This will be accomplished 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 premise to the alternate wire center. Channel Mileage for the appropriate OC-3, OC-12, OC-48 or OC-192 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 F.C.C. No. 4. (N)

This option will also assure 100 percent 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 Channel Termination without this option, normal terms and conditions for out of service credits as stated in 2.4.4 preceding 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. All other terms and conditions for Credit Allowances as stated in 2.4.4 preceding, will apply.

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- 7.2.11 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service (N)  
- Point-to-Point Service (Cont'd)

(B) Channel Configuration (Cont'd)(3) Optional Features and Functions (Cont'd)

- (e) 1+1 Protection with Central Office Survivability  
for OC-3, OC-12, OC-48 and OC-192 (Cont'd) (N)

Installation of the 1+1 Protection with Central Office Survivability option will not begin until the customer has accepted the proposed routing by the Telephone Company.

If the customer wants to use this optional feature as a ring extension with OC-12, OC-48, or OC-192 Dedicated Ring Service, (N)  
then both the customer's Serving Wire Center and alternate wire center must have Nodes located on the ring. The Telephone Company will work cooperatively with the customer to determine the appropriate alternate wire center to be used for the Dedicated Ring situation. Channel Mileage will not apply to this option when used with a ring extension.

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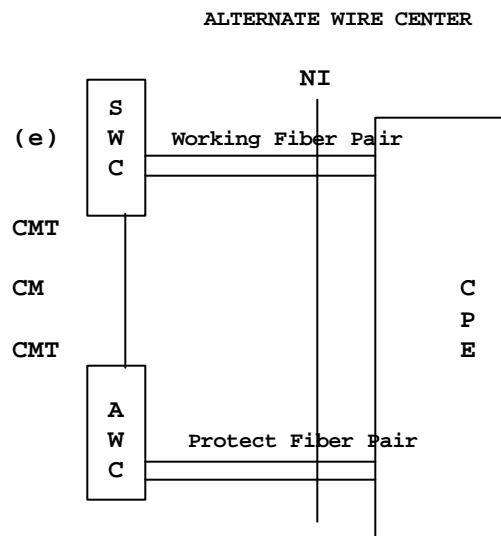
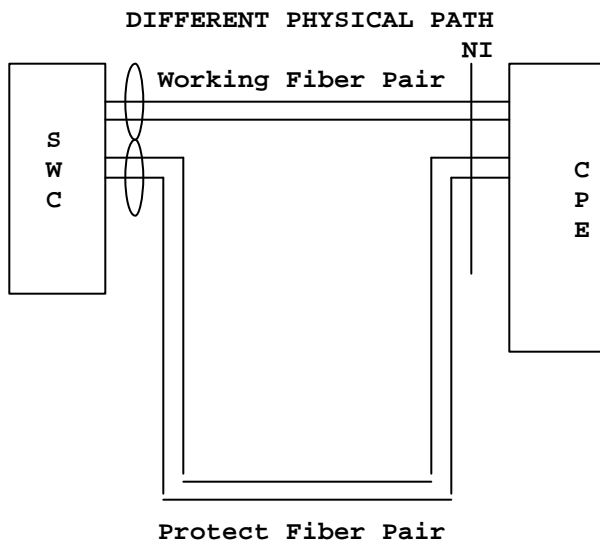
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- Point-to-Point Service (Cont'd)(B) Channel Configuration (Cont'd)(1) Optional Features and Functions (Cont'd)

## (f) OC-48 and OC-192 Regenerators (N)

Regenerators provide essential detection and retransmission of SONET Optical signals between customer premises. Regenerators will be provided as required by the Telephone Company when actual fiber facility distances between customer designated premise and/or central office locations exceed design limits (typically 18 to 25 miles). Regenerators will be located exclusively in Telephone Company central offices.

The following diagrams provide an example of (d) and (e) above:



\*CM = Channel Mileage  
\*CMT = Channel Mileage Terminations

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7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.12 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service (N)  
Dedicated Ring(A) Basic Service Description(1) General

OC-3, OC-12, OC-48 and OC-192 Dedicated Ring Service (N)  
operates at the same speeds as Point-to-Point Services,  
however, the Dedicated Ring Service provides a customer  
a dedicated custom network. The network is in a ring  
architecture 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 Ring Service will provide 50 millisecond pro-  
tection switching to assure 100 percent availability  
of the services on the ring. Dedicated Ring Service is  
provided where appropriate SONET facilities are avail-  
able. Where facilities are not available, Special  
Construction may apply.

Dedicated Ring Service is an alternative to OC-3/3c, (N)  
OC-12/12c, OC-48 and OC-192 point-to-point service  
between multiple customer locations. Rate elements  
include nodes, ports, mileage between nodes,  
regenerators, Optical to Electrical DSL add/drop  
capability and Optical OC-48 add/drop capability.  
Rates are specified in 7.5.12.1 following.

Existing customers with Point-to-Point OC-3/3c, (N)  
OC-12/12c, OC-48 and OC-192 may upgrade to Dedicated  
Ring Service 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 inter-  
ruption, the total credit per rate element of the  
interrupted service may not exceed 100 percent of  
the monthly charge for that particular rate element.

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Dedicated Ring (Cont'd) (N)(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 three nodes. At least one node must be a Telephone Company CO and one must be a customer premise. 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 premise node is located in the same building as a CO node, there will be no diversity between the two nodes.

The customer will be billed time and material for any additional charges incurred by the Telephone Company in locating Company equipment at the customer premise.

## (2) 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, OC-3, or DS3 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 an equivalent combination of OC-3 and DS3 ports.

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(N)

Dedicated Ring (Cont'd)(B) Dedicated Ring Configuration (Cont'd)(3) Ports

The ring capacity will be either OC-3, OC-12, OC-48 or OC-192. Lower speed channels are accessible at nodes via port terminations. (N)

Accepted interfaces are as follows:

<u>OC-3 Node</u>		<u>OC-12 Node</u>		<u>OC-48 Node</u>		<u>OC-192 Node</u>		(N)
DS1 Ports	X (Max. 84/Node)	X* (Max. 84/OC-3 Port)	X* (Max. 84/OC-3 Port)	X* (Max. 84/OC-3 Port)	X* (Max. 84/OC-3 Port)	X* (Max. 84/OC-3 Port)	X* (Max. 84/OC-3 Port)	
DS3 Ports	X (Max. 3/Node)	X (Max. 12/Node)	X (Max. 12/Node)	X (Max. 48/Node)	X (Max. 48/Node)	X (Max. 192/Node)	X (Max. 192/Node)	
**OC-3 Ports	N/A	X (Max. 4/Node)	X (Max. 4/Node)	X (Max. 16/Node)	X (Max. 16/Node)	X (Max. 64/Node)	X (Max. 64/Node)	
OC-12 Ports	N/A	N/A	N/A	X (Max. 4/Node)	X (Max. 4/Node)	X (Max. 16/Node)	X (Max. 16/Node)	
OC-48 Ports	N/A	N/A	N/A	N/A	N/A	X (Max. 4/Node)	X (Max. 4/Node)	
OC-192 Ports	N/A	N/A	N/A	N/A	N/A	X (Max. 1/Node)	X (Max. 1/Node)	(N)

OC-3 Point-to-Point service may connect to an OC-3 port of an OC-12 or OC-48 ring or OC-12 Point-to-Point service may connect to an OC-12 port of an OC-48 ring located in a Company CO. OC-48 Point-to-Point service may connect to an OC-48 port of an OC-192 ring. (N)

As described in Section 7.2.11A for OC-3 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-192 Dedicated Ring Service subject to the overall ring capacity limits described in (6) following. 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 port. (N)

DS1 ports, DS3 ports and STS-1 channels within OC-3 ports may not connect to any other ports within the same node. All other port-to-port connections are allowable except for DS3 port to DS1 port connections. If a DS3 to DS1 connection is required, it may be accomplished by the customer's CPE or through the current multiplexing environment of DS3 and DS1 Services described in Section 7.2.9.

\* Optical to Electrical DS1 add/drop capability as shown in 7.2.12(B)(4) is needed along with an OC-3 Port.

\*\* Number of interfaces on Nodes equipped for multiplexing may vary.

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7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.12 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service (N)  
Dedicated Ring (Cont'd)

(B) Dedicated Ring Configuration (Cont'd)

(4) Mileage

Mileage is the total airline distance between the serving wire center of each node involved on the ring. A one mile minimum will be billed between nodes.

In addition, interoffice transport may be connected between wire centers at a lower OC-N speed than the Dedicated Ring, if the transport is between a dedicated ring port and:

- a lower speed Add/Drop Function;
- a lower speed Channel Termination;
- another lower speed Dedicated Ring Port;
- a lower speed Cross-Connect;

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

(5) Optical to Electrical DS1 Add/Drop Capability

This option allows an electrical DS1 to be derived from an optical OC-12 OC-48 or OC-192 ring by using this capability to add/drop the electrical DS1 from an OC-3 port. (N)

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7.2 Service Descriptions (Cont'd)

7.2.12 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service (N)  
Dedicated Ring (Cont'd)

(B) Dedicated Ring Configuration (Cont'd)

(6) Dedicated Ring Regenerator

Regenerators provide essential detection and re-transmission of SONET Optical 155.52 Mbps, 622.08 Mbps, 2488.32 Mbps and 9953.28 Mbps signals between nodes. Regenerators will only be provided as required by the Telephone Company when actual fiber facility distances between customer-designated nodes exceed inter-nodal design limits (typically 18 to 25 miles). Regenerators will be located exclusively in Telephone Company COs and do not allow ports to access customer service connections. (N)

(7) Dedicated Ring Connection capacity

Maximum transport capacity of OC-3, OC-12, O-48, and OC-192 Dedicated Ring Service is characterized by The total quantity of individual port-to-port connections allowed between all nodes on the ring. (N)

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Dedicated Ring (Cont'd)(B) Dedicated Ring Configuration (Cont'd)(7) Dedicated Ring Connection Capacity (Cont'd)

For OC-3 Dedicated Ring Service, the maximum ring capacity will be equal to one of the following combinations:

DS3 Port to DS3 Port Connections		DS1 Port to DS1 Port Connections
Three	and	None
Two	and	Up to 28
One	and	Up to 56
None	and	Up to 84

For OC-3 Dedicated Ring Service, individual DS1 port -to-DS1 port and DS3 port-to-DS3 port connections capacities may be incrementally distributed between nodes on the ring in any manner.

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Dedicated Ring (Cont'd)(B) Dedicated Ring Configuration (Cont'd)(7) Dedicated Ring Connection Capacity (Cont'd)

For OC-12 Dedicated Ring Service, the maximum ring capacity will be equal to one of the following combinations:

DS3 Port to DS3 Port Connections	DS1 Port to DS1 Port Connections
Twelve	and None
Eleven	and One group of 28
Ten	and Two Groups of 28(56)
Nine	and Three groups of 28(84)
Eight	and Four Groups of 28(112)
Seven	and Five Groups of 28(140)

Six	and	Six Groups of 28(156)
Five	and	Seven Groups of 28(196)
Four	and	Eight Groups of 28(224)
Three	and	Nine Groups of 28(252)
Two	and	Ten Groups of 28(280)
One	and	Eleven Groups of 28(306)
None	and	Twelve Groups of 28(336)

For OC-12 Dedicated Ring Service, individual DS1 port-to-DS1 port connection capacities may be distributed only in incremental groups of 28 between any two nodes on the ring. Individual DS3 port-to-DS3 port connection capacities may be incrementally distributed between nodes on the ring in any manner.

OC-12 Dedicated Ring Service will also provide capability for node-to-node connection of STS-1 or STS-3C channels using OC-3 ports on the OC-12 ring. Each STS-1 to STS-1 channel connection will reduce the remaining ring capacity by the equivalent of one DS3 port-to-DS3 port connection or 28 DS1 port-to-DS1 port connections. Each STS-3C to STS-3C channel connection requested by the customer will reduce the remaining ring capacity by the equivalent of three DS3 port-to-DS3 port connections or 84 DS1 port-to-port connections.

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Dedicated Ring (Cont'd)(B) Dedicated Ring Configuration (Cont'd)(7) Dedicated Ring Connection Capacity (Cont'd)

For OC-48 Dedicated Ring Service, the maximum ring capacity will be equal to one of the following combinations:

DS3 Port to DS3 Port Connections	DS1 Port to DS1 Port Connections
Forty-eight and	None
Forty-Seven and	One Group of 28
Forty-six and	Two Groups of 28(56)
Forty-five and	Three Groups of 28(84)
Forty-four and	Four Groups of 28(112)
Forty-three and	Five Groups of 28(140)
Forty-two and	Six Groups of 28(168)

DS3 Port to Port Connections	DS1 Port to DS1 Port Connctions
Forty-one and	Seven Groups of 28(196)
Forty and	Eight Groups of 28(224)
Thirty-nine and	Nine Groups of 28(252)
Thirty-eight and	Ten Groups of 28(280)
Thirty-seven and	Eleven Groups of 28(308)
Thirty-six and	Twelve groups of 28(336)
Continuing down the scale to: None and Forty-eight Groups of 28 (1344)	

For OC-192 Dedicated Ring service, the Ring capacity ranges from 1 to 192 DS3 Port to DS3 Port Connections. DS1 Port Connections are available with OC-192 Dedicated Ring Service if an OC-3 Port and an Optical to Electrical DS1 add/drop capability is purchased.

(N)

(N)

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7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.12 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service Dedicated Ring (Cont'd) (N)(B) Dedicated Ring Configuration (Cont'd)(7) Dedicated Ring Connection Capacity (Cont'd)

For OC-48 Dedicated Ring Service, individual DS1 port-to-DS1 port connection capacities may be distributed only in incremental groups of 28 between any two nodes on the ring. Individual DS3 port-to-DS3 port connection capacities may be incrementally distributed between nodes on the ring in any manner.

OC-48 Dedicated Ring Service will also provide capability for node-to-node connection of STS-1 or STS-3C channels using OC-3 or OC-12 ports on the OC-48 ring. Each STS-1 to STS-1 channel connection or STS-1 channel to DS3 port connection requested by the customer will reduce the remaining ring capacity by the equivalent of one DS3 port-to-port connection or 28 DS1 port-to-port connections. Each STS-3C to STS-3C channel connection requested by the customer will reduce the remaining ring capacity by the equivalent of three DS3 port-to-DS3 port connections or 84 DS1 port-to-port connections.

OC-48 Dedicated Ring Service will also provide capability for node-to-node connections of STS-12C channels using OC-12 ports on the OC-48 ring. Each STS-12C to STS-12C channel connection requested by the customer will reduce the remaining ring capacity by the equivalent of twelve DS3 port-to-DS3 port connections or 336 DS1-to-DS1 port connections.

For OC-192 dedicated Ring Service, the maximum ring capacity between nodes is not to exceed 192 STS-1 equivalents. OC-192 Dedicated Ring Services will provide capability for node-to-node connection of STS-1 or STS-3C, STS-12C, and STS-48C Channels using DS3, OC-3, OC-12, OC-48 or OC-192 ports on the OC-192 ring. (N)

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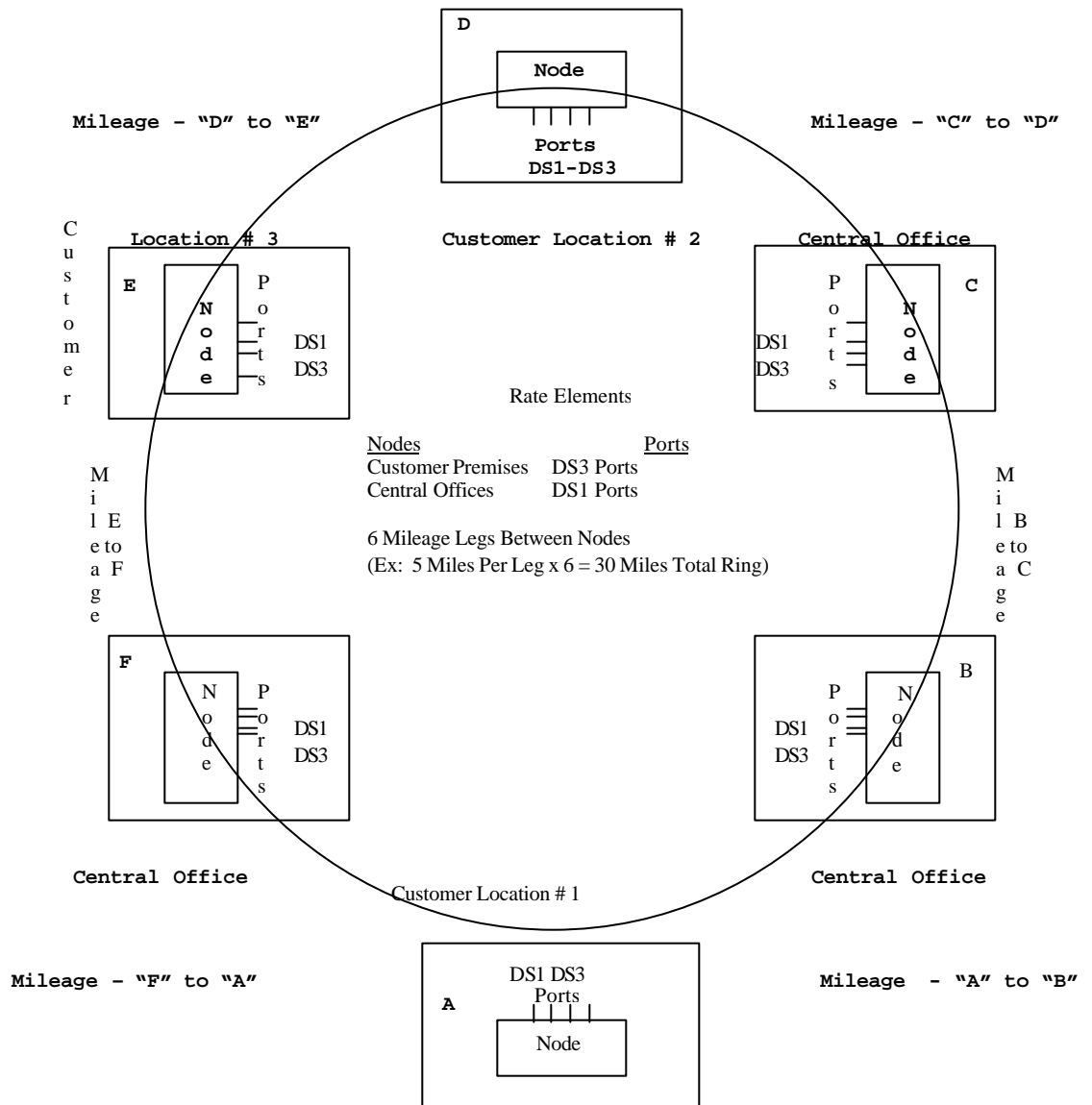
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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.12 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service Dedicated Ring (Cont'd) (N)(B) Dedicated Ring Configuration (Cont'd)

(8) Diagram OC-3, OC-12 and OC-48 Ring

## CBT OC-3 Dedicated Ring Service



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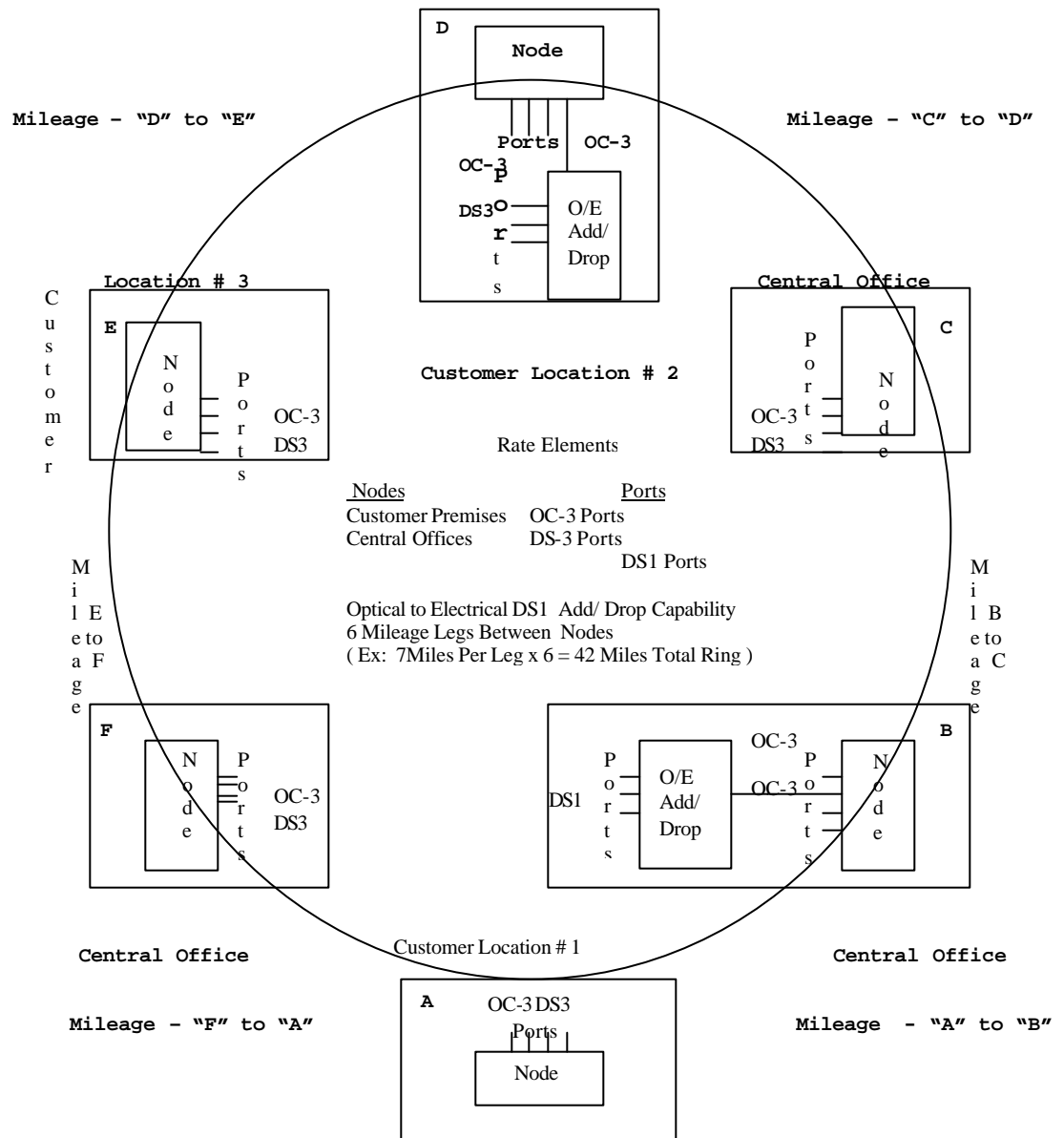
7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.12 OC-3 Service, OC-12 Service, OC-48 Service and OC-192

(N)

Service Dedicated Ring (Cont'd)(B) Dedicated Ring Configuration (Cont'd)

(8) Diagram OC-3, OC-12 and OC-48 Ring

## CBT OC-12 Dedicated Ring Service



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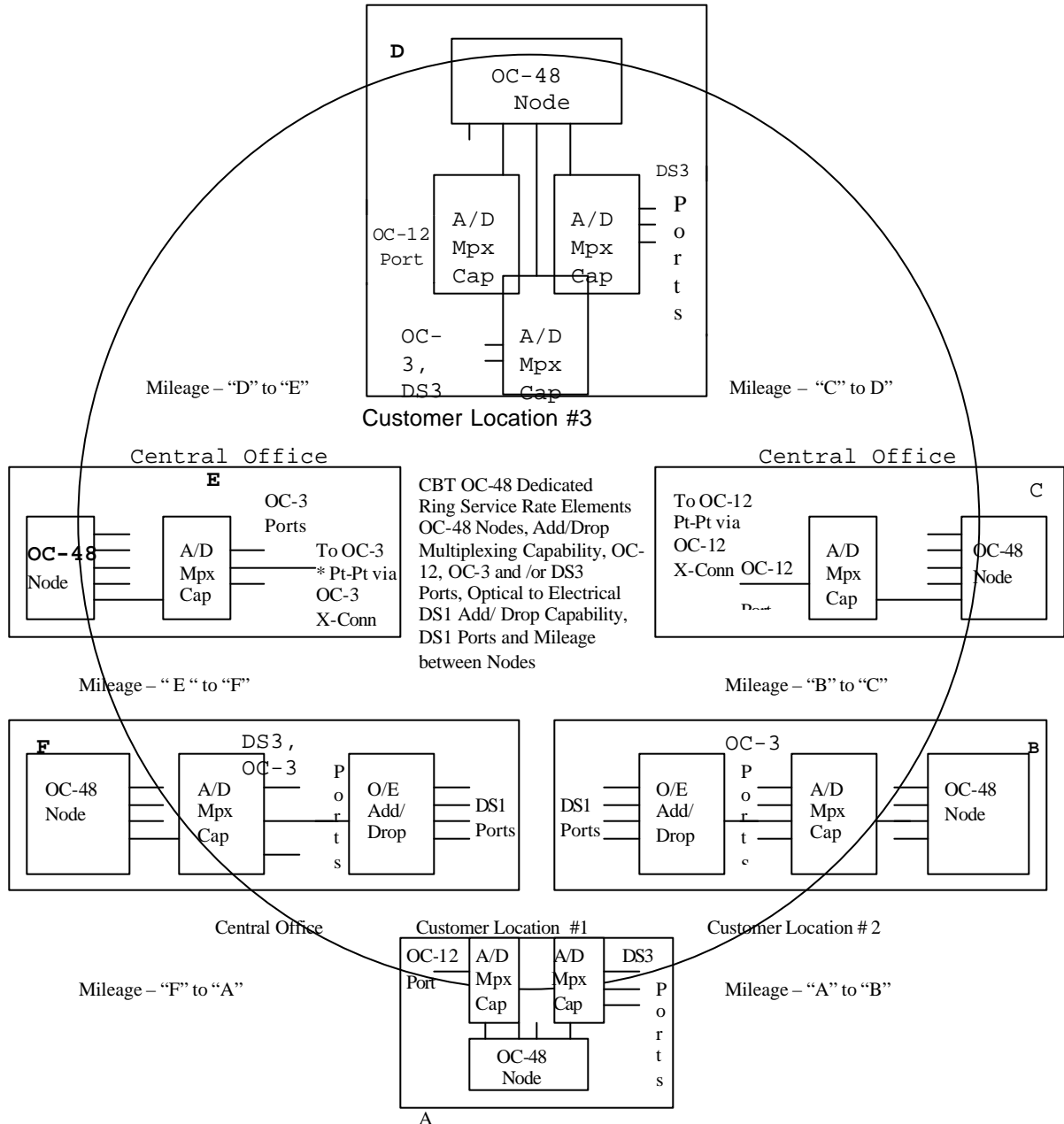
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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.12 OC-3 Service, OC-12 Service, OC-48 Service and OC-192

(N)

Service Dedicated Ring (Cont'd)(B) Dedicated Ring Configuration (Cont'd)(8) Diagram OC-3, OC-12 and OC-48 Ring**CBT OC-48 Dedicated Ring Service**

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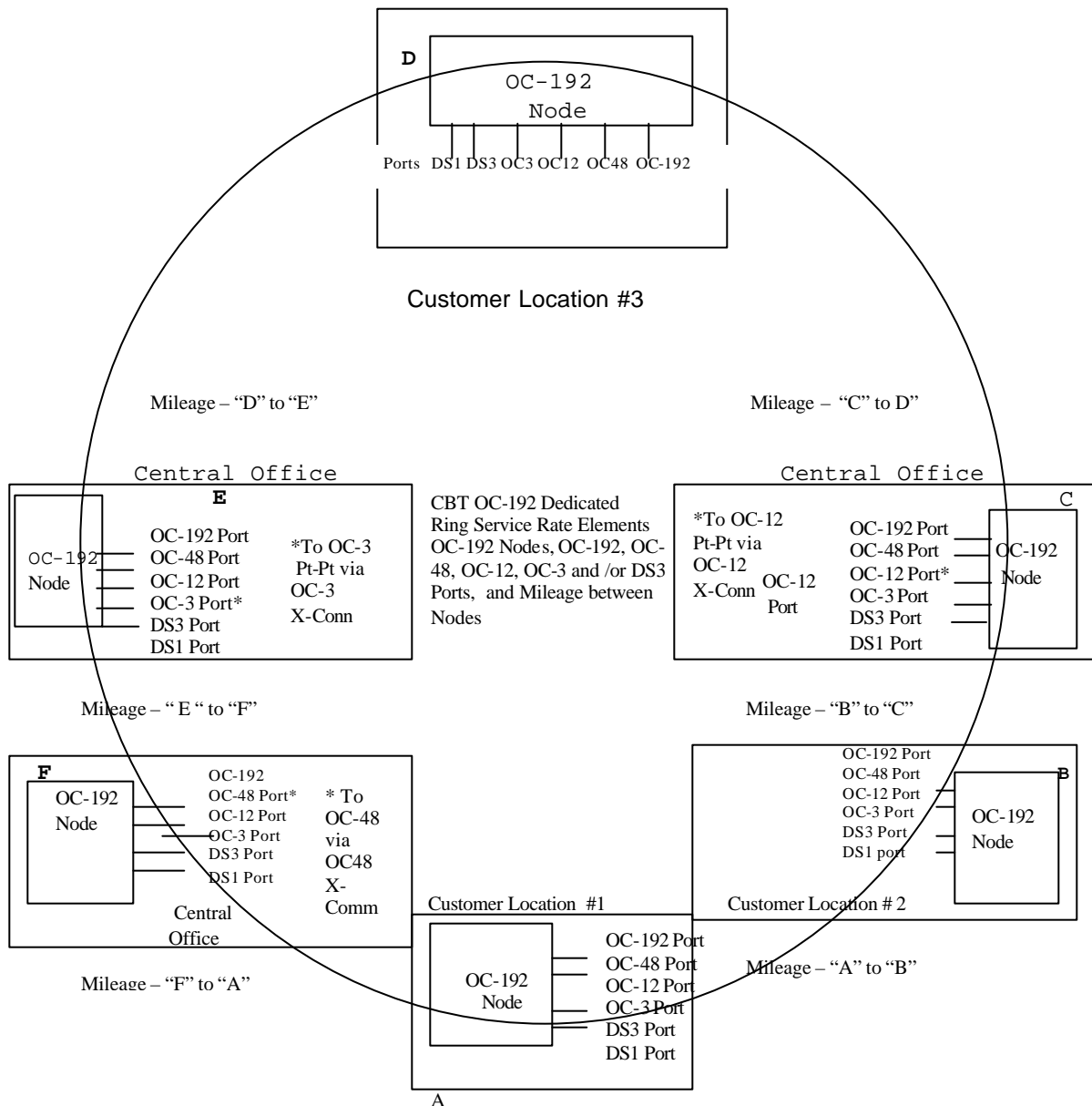
## ACCESS SERVICE

7. Special Access Service (Cont'd)7.2 Service Descriptions (Cont'd)7.2.12 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service Dedicated Ring (Cont'd)

(N)

(B) Dedicated Ring Configuration (Cont'd)(8) Diagram OC-3, OC-12, OC-48 and OC-192 Ring

## CBT OC-192 Dedicated Ring Service



(N)

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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

7.2.12 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service Dedicated Ring (Cont'd) (N)

(B) Dedicated Ring Configuration (Cont'd)

(9) Optional Payment Period

Dedicated Rings are available for either 36 month or 60 month periods. Monthly recurring charges apply for the nodes, ports and mileage between nodes. If a node is added after the initial installation of the dedicated ring, the new node will carry the same OPP rate as the initial ring and be co-terminous with that OPP. However, if a node is added during the last 12 months or less of an OPP, the customer will be billed the initial OPP ring rate for a minimum period of 12 months.

Logical changes in the ring (change in mapping content) are not considered to be a dedicated ring termination, however, any physical change would be considered a termination and all appropriate termination liability would apply as specified in paragraph 7.4.9 following. Also, all other rate regulations pertaining to OPP would apply. See Section 7.4.9 following

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.5 Rates and Charges (Cont'd)7.5.5 Video Service

	<u>USOC</u>	<u>Monthly Rates</u>	<u>Daily*</u> <u>Rates</u>	<u>Nonrecurring Charges</u>	
				<u>Monthly</u>	<u>Daily</u>
(A) Channel Termination					
- Per Point of Termination					
- TV-1 or 2	TMEV1	\$349.83	\$174.92	None	None
- 4TV-5	TMEV4	349.83	174.92	None	None
- 6TV-5	TMEV6	349.83	174.92	None	None
- TV-15	TMEV5	349.83	174.92	None	None

## (B) Channel Mileage

<u>Mileage Bands</u>	<u>USOC**</u>	<u>Monthly Rates</u>		<u>Daily Rates*</u>	
		<u>Fixed</u>	<u>Per Mile</u>	<u>Fixed</u>	<u>Per Mile</u>
0	1L5XX	None	None	None	None
Over 0 to 4	1L5XX	\$128.25	\$72.60	\$ 64.13	\$36.30
Over 4 to 8	1L5XX	128.25	72.60	64.13	36.30
Over 8 to 25	1L5XX	128.25	72.60	64.13	36.30
Over 25	1L5XX	128.25	72.60	64.13	36.30

	<u>USOC</u>	<u>Monthly Rate</u>	
(C) TV Analog Video Optional 3rd and 4th Audio Channel	VAKSA	\$110.00	
(D) Serial Component Video Service (SCVS) - TV270	ZZYAC	\$600.00	(N) (N)

\* Daily rates will be topped and maximum rates derived as set forth in 7.4.1 (B) preceding.

\*\* When service is provided by multiple companies use USOC: CM6 for Fixed-Channel Mileage and USOC: ZL5XX for Per Mile-Channel Mileage for all Mileage Bands.

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## ACCESS SERVICE

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- Point-to-Point Services(A) OC-3 Service\*

	USOC	Monthly	Recurring Charges Optional Payment Plan	
			36 Mo.	60 Mo.
(1) Channel Termination				
- Per Point of Termination				
Terminating Bit Rate 155.52 Mbps (DS1, DS3 Drops)	TMECS	\$1,430.00	\$1,300.00	\$1,180.00
(1A) Channel Termination				
- Per Point of Termination				
Terminating Bit Rate 155.52 Mbps (OC-3 Drops)	TMECX	2,900.00	2,700.00	2,500.00
(2) Channel Mileage				
- Fixed	1L5XX	440.00	420.00	400.00
- Per mile at 155.52 Mbps	1L5XX	250.00	200.00	150.00
(3) Optional Features and Functions				
(a) OC-3 Add/Drop Multiplexing				
- Per Arrangement	MXRCX	1,050.00	995.00	980.00
(b) Add/Drop Function				
- Per OC-3	MXJCX	250.00		
- Per DS3 Add or Drop	MXJBX	80.00		
- Per DS1 Add or Drop	MXJAX	45.00		

\* One Year Minimum on all features and functions.

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## ACCESS SERVICE

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- Point-to-Point Services (Cont'd)(A) OC-3 Service (Cont'd)\*

(3) <u>Optional Features and Functions</u> (Cont'd)	<u>USOC</u>	<u>Monthly</u>
(c) Cross-Connection of Services OC-3 to OC-3 Cross-Connect Per Circuit	OCCCX	\$100.00
(d) 1+1 Protection with Route Survivability		
- Per Quarter Route Mile	S2DXY	20.00
(e) 1+1 Protection with Central Office Survivability		
- Per Quarter Route Mile	S2VXY	20.00
- Channel Mileage Fixed and Per Mile	Apply Rates and Charges As 7.5.12A Preceding	

\* One Year Minimum on all features and functions.

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7. Special Access Service (Cont'd)7.5 Rates and Charges (Cont'd)7.5.12 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service  
- Point-to-Point Services (Cont'd) (N)(B) OC-12 Service\*

	USOC	Monthly	Recurring Charges Optional Payment Plan	
			36 Mo.	60 Mo.
(1) Channel Termination				
- Per Point of Termination				
Terminating Bit				
Rate 622.08 Mbps	TMECS	\$2900.00	\$2600.00	2,445.00
(DS1, DS3, OC-3 Drops)				
(1A) Channel Termination				
- Per Point of Termination				
Terminating Bit				
Rate 622.08 Mbps	TMECX	4,500.00	4,250.00	4,000.00
(OC-12 Drops)				
(2) Channel Mileage				
- Fixed	1L5XX	650.00	625.00	600.00
- Per mile at				
622.08 Mbps	1L5XX	250.00	200.00	150.00
(3) Optional Features and Functions				
(a) OC-12 Add/Drop				
- Per Multiplexing Arrangement	MXRDX	2,460.00	2,092.00	1,720.00
(b) Add/Drop Function				
- Per OC-12	MXJEX	450.00		
- Per OC-3				
Add or Drop	MXJCX	150.00		
- Per DS3				
Add or Drop	MXJBX	80.00		

\* One Year Minimum on all features and functions.

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## ACCESS SERVICE

7. Special Access Service (Cont'd)7.5 Rates and Charges (Cont'd)7.5.12 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service (N)  
- Point-to-Point Services (Cont'd)(B) OC-12 Service (Cont'd)\*(3) Optional Features and Functions (Cont'd)

	<u>USOC</u>	<u>Monthly</u>		
(c) Cross-Connection of Services OC-12 to OC-12 Cross-Connect Per Circuit	OCCDX	\$100.00		
(d) 1+1 Protection with Route Survivability				
- Per Quarter Route Mile	S2DXY	20.00		
(e) 1+1 Protection with Central Office Survivability				
- Per Quarter Route Mile	S2VXY	20.00		
- Channel Mileage Fixed and Per Mile		Apply Rates and Charges As 7.5.12B Preceding		
(4) Optical to Electrical DS1 Add/Drop Capability				
- Per OC-3 to DS1 Add/Drop	MXJDX	1,200.00	1,200.00	1,100.00
- DS-1 Port at OC-12 Node	MXJAX	45.00		

One Year Minimum on all features and functions.

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7. Special Access Service (Cont'd)7.5 Rates and Charges (Cont'd)7.5.12 OC-3 Service, OC-12 Service, OC-48 and OC-192 Service (N)- Point-to-Point Services (Cont'd)(C) OC-48 Service\*

		Recurring Charges Optional Payment Plan			
		USOC	Monthly	36 Mo.	60 Mo.
(1) Channel Termination					
- Per Point of Termination					
Terminating Bit					
Rate 2488.32 Mbps		TMECS**	\$6,000.00	\$5,000.00	\$4,000.00
		TMECZ	8,500.00	7,500.00	6,500.00
(2) Channel Mileage					
- Fixed		1L5XX	1,625.00	1,562.50	1,500.00
- Per mile at					
2488.32 Mbps		1L5XX	250.00	200.00	150.00
(3) Optional Features and Functions					
(a) OC-48 Add/Drop					
Multiplexing					
- Per Arrangement					
(not to exceed 12 DS3s					
or equivalent)					
		MXRFX**	975.00	850.00	730.00
Multiplexing		MXCZX	3,900.00	3,400.00	2,920.00
(b) Add/Drop					
Function					
- Per OC-48		MXJHX	1,000.00		
- Per OC-12					
Add or Drop		MXJEX	560.00		
- Per OC-3					
Add or Drop		MXJCX	305.46		
- Per DS3					
Add or Drop		MXJBX	80.00		

\* One Year Minimum on all features and functions.

\*\* Grandfathered beginning July 1, 2004. Current customers may maintain their service rate structure until their contract expires. Customers may convert to new rate structure at no charge during their contract term.

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7. Special Access Service (Cont'd)7.5 Rates and Charges (Cont'd)7.5.12 OC-3 Service, OC-12 Service, OC-48 and OC-192 Service (N)  
- Point-to-Point Services (Cont'd)(C) OC-48 Service (Cont'd)\*(3) Optional Features and  
Functions (Cont'd)USOCMonthly(c) Cross-Connection  
of Services

OC-48 to OC-48

Cross-Connect

Per Circuit

OCCFX

\$ 100.00

(d) 1+1 Protection with  
Route Survivability

- Per Quarter

Route Mile

S2DXY

20.00

(e) 1+1 Protection with  
Central Office  
Survivability

- Per Quarter

Route Mile

S2VXY

20.00

- Channel Mileage  
Fixed and Per MileApply Rates and Charges  
As 7.5.12C Preceding(f) Point-to-Point  
OC-48 Regenerator

- Each (as required)

RGY4B

2,900.00

(4) Optical to Electrical  
DS1 Add/Drop CapabilityMonthly36 Mo.60 Mo.

- Per OC-3 to DS1

Add/Drop

MXJDX

1,200.00

1,200.00

1,100.00

- DS-1 Port at

OC-48 Node

MXJAX

45.00

\* One Year Minimum on all features and functions.

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- Point-to-Point Services (Cont'd)(C) OC-192 Service

	USOC	Recurring Charges Optional Payment Plan		
		Monthly	36 Mo.	60 Mo.
(2) Channel Termination				
- Per Point of Termination Terminating Bit Rate 9953.28 Mbps	TMECS	\$17,000.00	\$15,000.00	\$13,000.00
(2) Channel Mileage				
- Fixed	1L5XS	3,250.00	3,125.00	3,000.00
- Per mile at 9953.28 Mbps	1L5XS	250.00	200.00	150.00
(3) Optional Features and Functions				
(a) OC-192 Add/Drop Multiplexing				
- Per Arrangement	MXRGX	7,800.00	6,800.00	5,840.00
(b) Add/Drop Function				
- Per OC-192	MXJ9X	2,000.00		
- Per OC-48	MXJFX	1,000.00		
- Per OC-12	MXJEX	560.00		
- Per OC-3	MXJCX	305.46		
- Per DS3	MXJBX	80.00		
- Per DS1	MXJAX	45.00		

(N)

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- Point-to-Point Services (Cont'd)

(N)

(C) OC-192 Service (Cont'd)(3) Optional Features and  
Functions (Cont'd)USOCMonthly(b) 1+1 Protection with  
Route Survivability

- Per Quarter

Route Mile

S2DXY

20.00

(c) 1+1 Protection with  
Central Office  
Survivability

- Per Quarter

Route Mile

S2VXY

20.00

- Channel Mileage  
Fixed and Per MileApply Rates and Charges  
As 7.5.12C Preceding(d) Point-to-Point  
OC-192 Regenerator

- Each (as required)

RGY92

5,800.00

## (e) Cross Connect

OC-192 -OC-192

OCCGX

\$ 100.00

(4) Optical to Electrical  
DS1 Add/Drop CapabilityMonthly36 Mo.60 Mo.

- Per OC-3 to DS1

Add/Drop

MXJDX

1,200.00

1,200.00

1,100.00

- DS-1 Port at

OC-48 Node

MXJAX

45.00

(N)

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Dedicated Ring\*

(A)	Node	USOC	36 Mo.	60. Mo.	
	Per Node type				
	OC-3				
	Customer Premises	FP5CX	\$1,400.00	\$1,200.00	
	Central Office	FC5CX	1,000.00	900.00	
	OC-12				
	Customer Premises	FP5DX	2,300.00	2,000.00	
	Central Office	FC5DX	1,800.00	1,500.00	
	OC-48				
	Customer Premises	FP5EX**	5,000.00	4,000.00	
		FP5	5,750.00	5,000.00	
	Central Office	FC5EX**	4,500.00	3,500.00	
		FC5	4,500.00	3,750.00	
	OC-192				(N)
	Customer Premises	GP5AX	11,500.00	10,000.00	
	Central Office	GC5AX	9,000.00	7,500.00	(N)
(B)	OC-48 Add/Drop**				
	Capability				
	Per Arrangement				
	(not to exceed 12				
	DS3s or equivalent)	MPEFX	800.00	600.00	

\* Three Year Minimum on all features and functions.

\*\* Grandfathered beginning July 1, 2004. Current customers may maintain their service rate structure until their contract expires. Customers may convert to new rate structure at no charge during their contract term.

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- Dedicated Ring (Cont'd)\*

(C)	Ports	USOC	36 Mo.	60. Mo.	
	Per Node				
	DS1 at OC-3 Node	SPRAX	\$ 50.00	\$ 45.00	
	DS3 at OC-3 Node	SPRBX	80.00	70.00	
	OC-3 at OC-3 Node	SPRDX	250.00	240.00	
	DS3 at OC-12 Node	SPRCX	80.00	70.00	
	OC-3 at OC-12 Node	SPREX	150.00	135.00	
	DS1 at OC-12 Node**	SPRGX	50.00	45.00	
	OC-12 at OC-12 Node	SPRFX	450.00	405.00	
	OC-12 at OC-48 Node	SPRHX	375.00	360.00	
	OC-3 at OC-48 Node	SPRJX	150.00	135.00	
	DS3 at OC-48 Node	SPRKX	80.00	70.00	
	DS1 at OC-48 Node**	SPRLX	50.00	45.00	
	OC-48 at OC-48 Node	SPRMX	1,000.00	900.00	
	OC-3 at OC-192 Node	S9NEX	150.00	135.00	(N)
	OC-12 at OC-192 Node	S9NGX	375.00	350.00	
	OC-48 at OC-192 Node	S9NJX	1,000.00	900.00	
	OC-192 at OC-192 Node	SPR9X	2,000.00	1,800.00	
	DS3 at OC-192 Node	SPRXX	80.00	70.00	
	DS1 at OC-192 Node	SPR1X	50.00	45.00	(N)
(D)	Mileage				
	Per mile between nodes by ring type				
	OC-3	1A5BS	200.00	150.00	
	OC-12	1A5BS	200.00	150.00	
	OC-48	1A5BS	200.00	150.00	
	OC-192	1A5BS	200.00	150.00	(N)
(E)	Optical to Electrical DS1 Add/Drop Capability				
	Per OC-3 to DS1 Add/Drop	MXJDX	1,200.00	1,100.00	

\* Three Year Minimum on all features and functions.

\*\* Optical to Electrical DS1 add/drop capability as shown in 7.2.12  
is needed along with an OC-3 port. (Not available with OC-192 Dedicated Ring Service). (N)  
(N)

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- Dedicated Ring (Cont'd)\*(F) Dedicated Ring  
Regenerator

	<u>USOC</u>	<u>36 Mo.</u>	<u>60. Mo.</u>
OC-3			
Each (as required)	RGY	\$1,000.00	\$ 900.00
OC-12			
Each (as required)	RGY	1,600.00	1,500.00
OC-48			
Each (as required)	RGY	3,100.00	2,900.00
OC-192			
Each (as required)	RGY	6,200.00	5,800.00 (N)

\* One Year Minimum on all features and functions.

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