

## 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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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(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:

- 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.

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

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

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.

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) at the two customer premises or between a customer premise and a Telephone Company location, or (2), by using the full bandwidth premise to premise, or between a customer premise and a Telephone Company location. (C)

Add/Drop Multiplexing only occurs at the customer premise. (C)  
The customer may supply the equipment, or have the Telephone Company supply the equipment for them. Add/Drop Multiplexing does not occur at the Telephone Company Serving Wire Center. (C)

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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)

(A) Basic Channel Description (Cont'd)

(1) General (Cont'd)

Add/Drop Functions occur at the Customer Premises and at the Telephone Company Serving Wire Center in order to support the full bandwidth of the Service. (C)

OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service based on customer requirements 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;
- Any of the above arrangements may be used in combination with each other subject to utilization of the total OC-3 capacity (T)
- a single concatenated STS-3C channel. (T)

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;
- Any of the above arrangements may be used in combination with each other subject to utilization of the total OC-12 capacity (T)
- a single concatenated STS-12C channel. (D)

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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)

(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;
- four concatenated STS-12C channels; (T)
- any of the above arrangements may be used in combination with each other subject to utilization of the total OC-48 capacity; (T)
- a single concatenated STS-48C channel. (T)

(D)

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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)

(A) Basic Channel Description (Cont'd)

(1) General (Cont'd)

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

- 1 DS3 that is STS1 mapped
- up to 28 DS1s that are VT-mapped; (T)
- 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; (T)
- 64 concatenated STS-3C channels;
- 16 concatenated STS-12C channels;
- 4 concatenated STS-48c channels
- Any of the above arrangements may be used in combination with each other subject to utilization of the total OC-192 capacity. (T)
- a single concatenated STS-192C channel. (T)

(D)

The customer is responsible via the ordering process to identify what STS signal configuration is to be contained in each OC-3, OC-12, OC-48 and OC-192 service connection and each STS-1, STS-3, STS-12 and/or STS-48 payload 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

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

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

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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)(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 has the option of supplying the add/drop multiplexing at the customer premises. If the customer chooses to supply the equipment, the add/drop multiplexing must be compatible with the add/drop multiplexing used by the Telephone Company in the Serving Wire Center. The Telephone Company will work with the customer to select compatible add/drop multiplexers which conform to the requirements set forth in established standard and technical publications. (C)

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

All CTs comprising a channel must have the same terminating bit rate unless add/drop multiplexing is performed at the customer premise with the associated add/drop function and at the Telephone Company location with the appropriate add/drop functions. (C)

## (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.

\*Unidirectional Path Switched Rings

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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)(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.

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

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

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

An arrangement at the customer premise 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. (C)

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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)

(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 Customer (C)  
Premise will provide the capability to support the full add/drop function capacity of OC-3 Service bandwidth with up to one OC-3 add/drop function, three DS3 add/drop functions or equivalently up to three groups of 28 DS1 add/drop functions or equivalent combinations of DS3 and groups of 28 DS1 add/drop functions. (T)

OC-12 add/drop multiplexing at a Customer (C)  
Premise will provide the capability to support the full add/drop function capacity of OC-12 service bandwidth with up to one OC-12 add/drop function, 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. (T)

OC-48 add/drop multiplexing at a Customer (T)  
Premise will provide the capability to support The full add/drop bandwidth, up to one OC-48 add/drop function, four OC-12 add/drop functions, sixteen OC-3 add/drop functions, 48 DS3 add/drop functions or equivalent combination of OC-12, OC-3 and DS3 add/drop functions. (T)

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 up to one OC-192 add/drop function, four OC-48 add/drop functions, 16 OC-12 add/drop functions, 64 OC-3 add/drop functions or 192 DS3 add/drop functions or equivalent combination of DS3, OC-3, OC-12 and OC-48 add/drop functions. (T)

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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)

(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 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 at the customer premise, (T) a customer drops one DS3 signal from an OC-12 service, they would pay one add/drop Function charge for the DS3, plus the OC-12 add/drop multiplexing charge. If a DS3 needs to be dropped at a Telephone Company location, the customer would pay one DS3 add/drop Function Charge. No add/drop multiplexing charge applies at the Telephone Company location. (T)

The OC-3, OC-12, OC-48 and OC-192 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 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.

(D)  
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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)

(B) Channel Configuration (Cont'd)

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

ADD/DROP Function

	DS1	DS3	OC3	OC12	OC-48	OC-192
OC-192	No*	Yes	Yes	Yes	Yes	Yes
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 purchases as well as an OC-3 Add/Drop Function and a DS1 Add/Drop Function.

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

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.

(d) Optical to Electrical DS1 Add/Drop Capability (T)

This option allows an electrical DS1 to be derived From an OC-12 OC-48 or OC-192 by using this capability To add/drop the electrical DS1 from an OC-3 add/drop function. The OC-3 add/drop function must be purchased separately. (T)

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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)

(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 greater than one (1) minute 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. (T)

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 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)

(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

(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.

This option will also assure 100 percent availability of the service. Any service interruption greater than one (1) minute 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. Special Access Service (Cont'd)

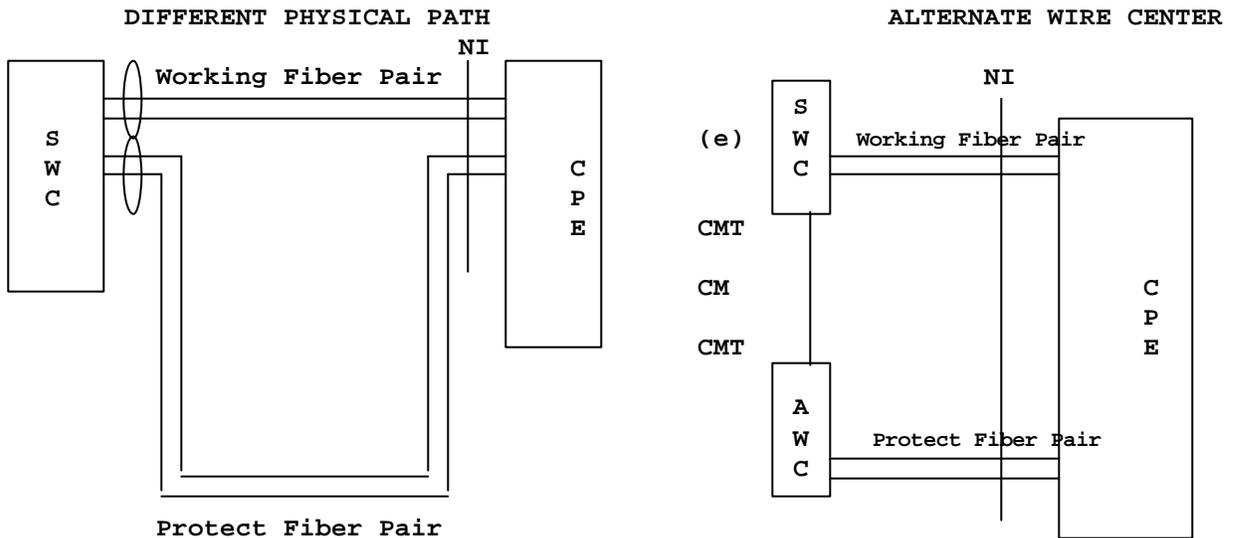
7.2 Service Descriptions (Cont'd)

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

(B) Channel Configuration (Cont'd)

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

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



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

(f) OC-48 and OC-192 Regenerators (M)

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 (M)

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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

(A) Basic Service Description

(1) General

OC-3, OC-12, OC-48 and OC-192 Dedicated Ring Service 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 protection switching to assure 100 percent availability of the services on the ring. Dedicated Ring Service is provided where appropriate SONET facilities are available. Where facilities are not available, Special Construction may apply.

Dedicated Ring Service is an alternative to OC-3, (C)  
OC-12, OC-48 and OC-192 Point-to-Point service (C)  
between multiple customer locations. Rate elements include nodes, ports, mileage between nodes, regenerators, Optical to Electrical DS1 add/drop capability. Rates are specified in 7.5.12.1 following. (T)

Existing customers with Point-to-Point OC-3, (T)  
OC-12, OC-48 and OC-192 may upgrade to Dedicated (T)  
Ring Service without termination liability.

A service interruption greater than one (1) minute (T)  
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.

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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)

(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.

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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)

(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.

Accepted interfaces are as follows:

OC-n Ring Type  
(Maximum number of ports supported by Ring Type)

(T)

PORTS	OC-3	OC-12	OC-48	OC-192
DS1	84	84/OC-3 Port**	84/OC-3 Port**	84/OC-3 Port**
DS3	3	12	48	192
OC-3	1	4	16	64
OC-12	N/A	1	4	16
OC-48	N/A	N/A	1	4
OC-192	N/A	N/A	N/A	1

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

(T)

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.

\* Optical to Electrical DS1 add/drop capability as shown in 7.2.12(B)(5) is needed along with an OC-3 Port.

Regulations formerly found on this page are now found on Page 109.44.19.

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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)

(B) Dedicated Ring Configuration (Cont'd)

(3) Ports (Cont'd)

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. (M)

(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. An OC-3 port must also be purchased. (T)

Regulations found on this page were formerly found on Page 109.44.18.  
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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)

(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.

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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)

(B) Dedicated Ring Configuration (Cont'd)

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

For OC-3 Dedicated Ring Service, the maximum ring capacity between nodes is not to exceed 3 STS-1 equivalentents. OC-3 Dedicated Ring Services will provide capability for node-to-node connection of DS1, STS-1 or STS-3C, using DS1, DS3 and OC-3 ports on the OC-3 ring (T)

For OC-12 Dedicated Ring Service, the maximum ring capacity between nodes is not to exceed 12 STS-1 equivalentents. OC-12 Dedicated Ring Services will provide capability for node-to-node connection of STS-1, STS-3C or STS-12C Channels using DS3, OC-3 or OC-12 ports on the OC-12 ring. DS1 Port Connections are available with OC-12 Dedicated Ring Service if an OC-3 Port and an Optical to Electrical DS1 add/drop capability is purchased.

For OC-48 Dedicated Ring Service, the maximum ring capacity between nodes is not to exceed 48 STS-1 equivalentents. OC-48 Dedicated Ring Services will provide capability for node-to-node connection of DS3, STS-1, STS-3C, STS-12C or STS-48C Channels using DS3, OC-3, OC-12, or OC-48 ports on the OC-48 ring. DS1 Port Connections are available with OC-48 Dedicated Ring Service if an OC-3 Port and an Optical to Electrical DS1 add/drop capability is purchased.

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

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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)

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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)

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CINCINNATI BELL TELEPHONE COMPANY

TARIFF FCC NO. 35  
2nd Revised Page 109.44.24  
Replaces 1st Revised Page 109.44.24

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)

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7. Special Access Service (Cont'd)

7.2 Service Descriptions (Cont'd)

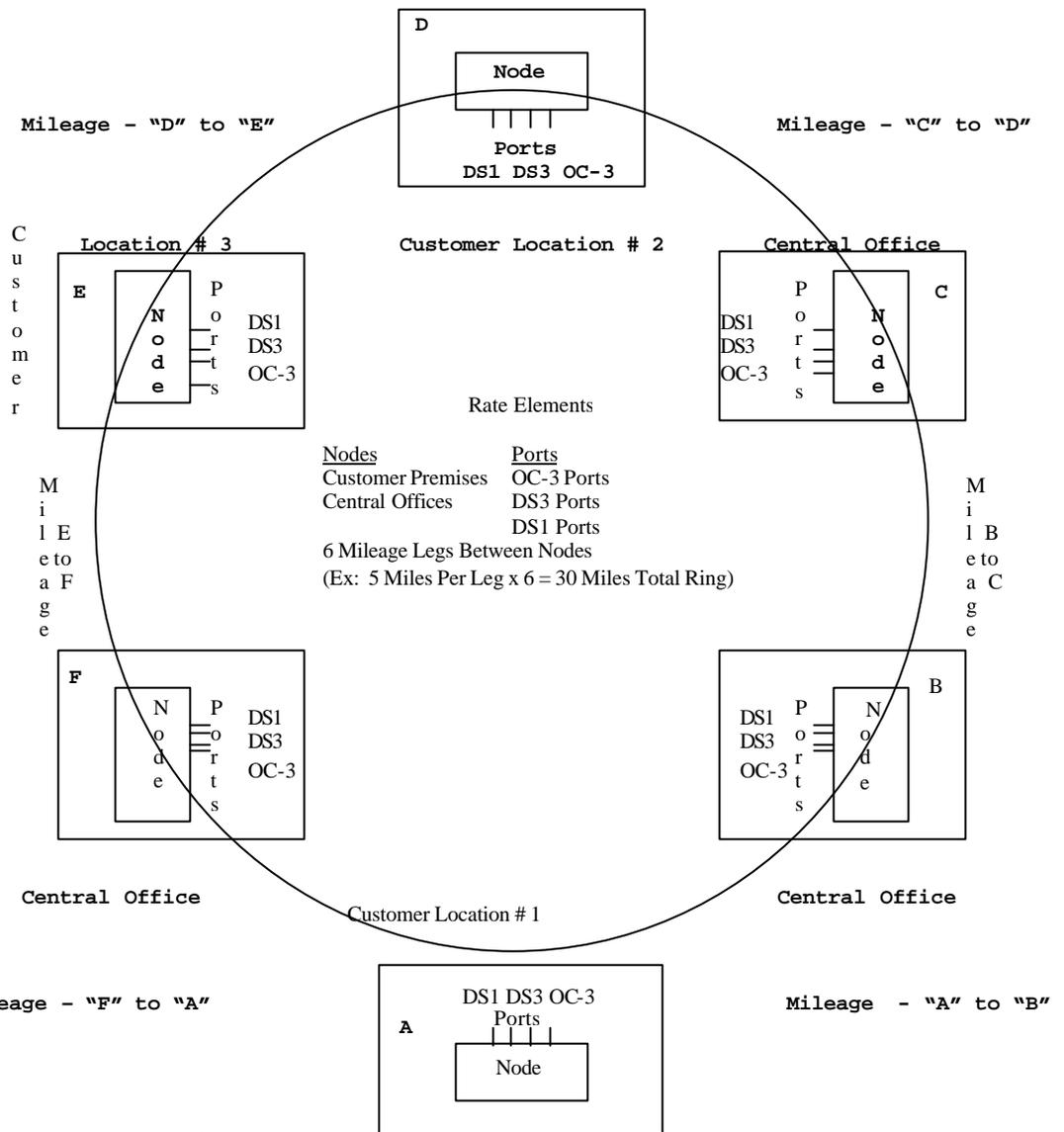
7.2.12 OC-3 Service, OC-12 Service, OC-48 Service and OC-192 Service Dedicated Ring (Cont'd)

(B) Dedicated Ring Configuration (Cont'd)

(8) Diagram OC-3, OC-12 OC-48 and OC-192 Ring

(T)

**CBT OC-3 Dedicated Ring Service**



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7. Special Access Service (Cont'd)

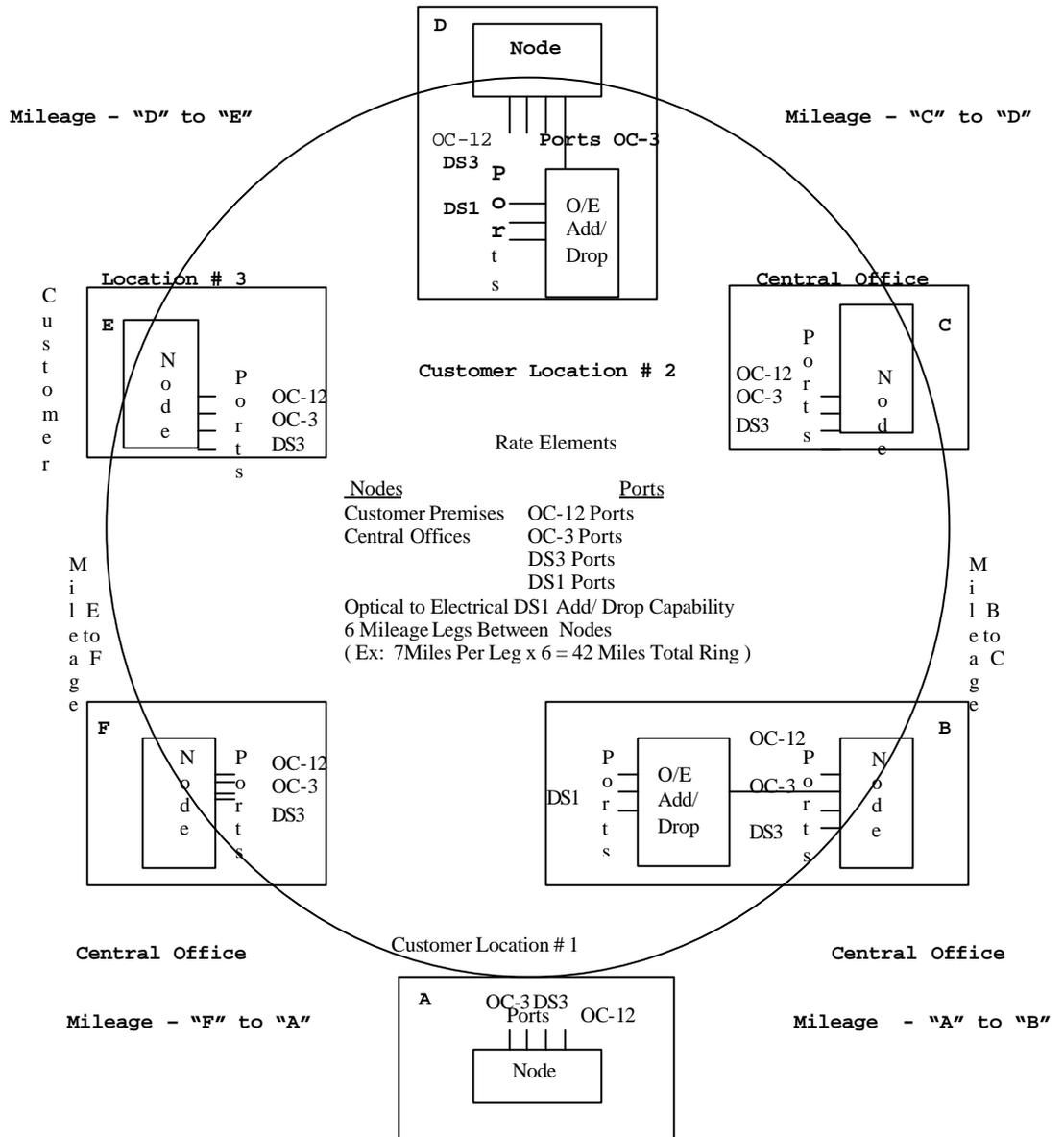
7.2 Service Descriptions (Cont'd)

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

(B) Dedicated Ring Configuration (Cont'd)

(8) Diagram OC-3, OC-12 OC-48, and OC-192 Ring (T)

**CBT OC-12 Dedicated Ring Service**



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7. Special Access Service (Cont'd)

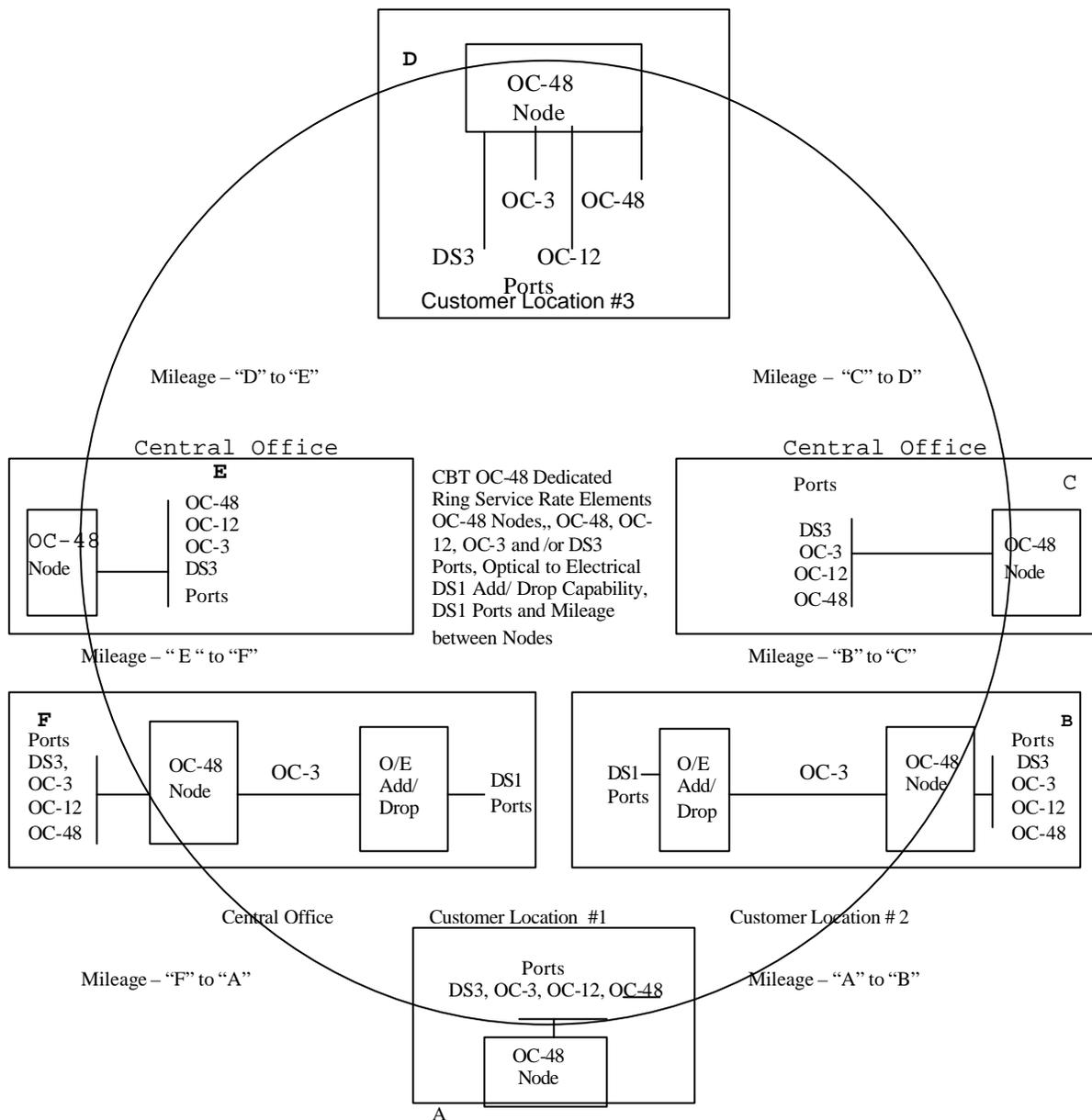
7.2 Service Descriptions (Cont'd)

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

(B) Dedicated Ring Configuration (Cont'd)

(8) Diagram OC-3, OC-12, OC-48 and OC-192 Ring (T)

**CBT OC-48 Dedicated Ring Service**



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7. Special Access Service (Cont'd)

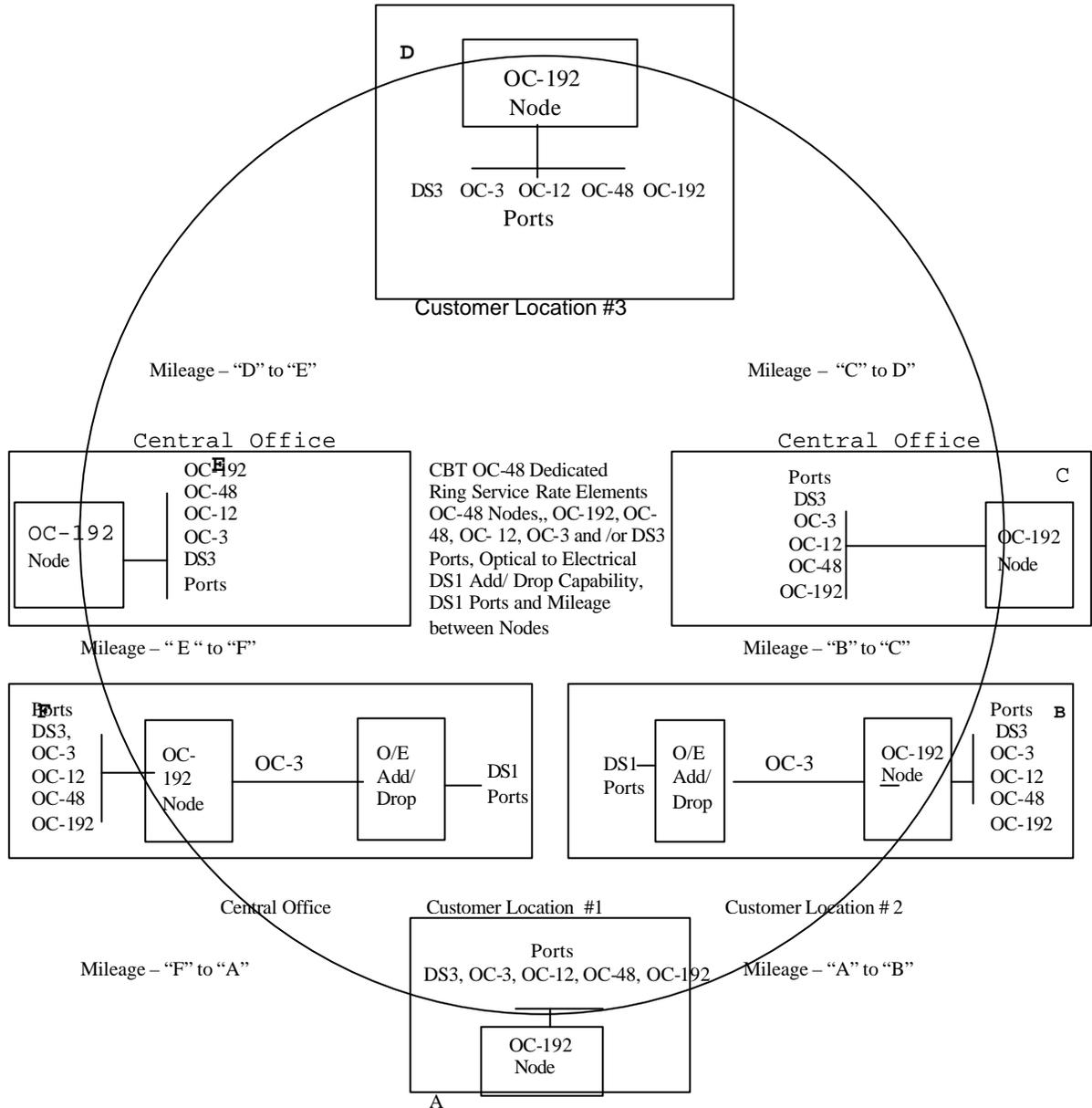
7.2 Service Descriptions (Cont'd)

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

(B) Dedicated Ring Configuration (Cont'd)

(8) Diagram OC-3, OC-12, OC-48 and OC-192 Ring (T)

**CBT OC-192 Dedicated Ring Service**



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ACCESS SERVICE

7. Special Access Service (Cont'd)

7.5 Rates and Charges (Cont'd)

7.5.5 Video Service

	USOC	Monthly Rates	Daily* Rates	Nonrecurring Charges	
				Monthly	Daily
(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

Mileage Bands	USOC**	Monthly Rates		Daily Rates*	
		Fixed	Per Mile	Fixed	Per Mile
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

	USOC	Monthly Rate
(C) TV Analog Video Optional 3rd and 4th Audio Channel	VAKSA	\$110.00

(D) Serial Component Video Service (SCVS) - TV270 Per Port Termination	ZZYAC	\$600.00
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(T)

\* 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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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

(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**				(C)
- 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.

\*\* Grandfathered beginning March 2, 2005. 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 Service and OC-192 Service  
- Point-to-Point Services (Cont'd)

(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	\$2,900.00	\$2,600.00	2,445.00	(T)
(DS1, DS3, OC-3 Drops)					
(1A) Channel Termination**					(C)
- 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.

\*\* Grandfathered beginning March 2, 2005. 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

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

(C) OC-48 Service\*

	USOC	Recurring Charges		
		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	MXJFX	1,000.00		(T)
- 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 Service and OC-192 Service  
- 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		

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