

## ACCESS SERVICE

## RATES, RULES AND CHARGES

Title Page and Pages 1 to 22-45, inclusive of this tariff are effective as of the date shown. Original and revised pages as named below and Supplement No. 6 contains all changes from the original tariff that are in effect on the date hereof.

## CHECK SHEET

<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>
Title	Original	24	Original
1	160th*	25	1st
1.1	15th	26	Original
1.2	62nd	27	Original
1.2.1	Original	28	1st
1.3	3rd	29	1st
1.4	15th	30	1st
1.5	45th	31	1st
1.5.1	6th	1-1	Original
1.6	19th	1-2	Original
1.7	7th	2-1	1st
1.7.1	2nd	2-2	2nd
1.8	14th	2-3	1st
1.9	43rd*	2-4	1st
1.10	13th	2-5	3rd
1.11	20th	2-5.1	1st
1.12	21st*	2-6	1st
2	Original	2-7	Original
3	Original	2-8	Original
4	2nd	2-9	Original
5	Original	2-10	Original
6	2nd	2-11	Original
7	1st	2-12	1st
8	1st	2-13	Original
9	Original	2-14	6th
10	3rd	2-15	5th
11	Original	2-15.1	4th
12	1st	2-16	Original
13	1st	2-17	4th
14	Original	2-18	Original
15	Original	2-19	Original
16	Original	2-20	Original
17	1st	2-21	Original
18	Original	2-22	Original
19	3rd	2-23	Original
20	Original	2-24	Original
21	1st	2-25	Original
22	2nd	2-26	Original
22.1	Original	2-27	Original
22.2	15th	2-28	Original
22.3	2nd*	2-29	Original
22.4	3rd*		
23	Original		

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ACCESS SERVICE  
RATES, RULES AND CHARGES  
CHECK SHEET (Cont'd)

<u>Page</u>	Number of Revision Except as Indicated	<u>Page</u>	Number of Revision Except as Indicated
21-1	2nd	22-18.2	Original
21-2	3rd	22-19	3rd
21-3	2nd	22-19.1	3rd
21-4	Original	22-19.2	Original
21-4.1	Original	22-20	2nd
21-4.2	1st	22-21	Original
21-5	3rd	22-22	1st
21-6	2nd	22-23	1st
21-7	3rd	22-23.1	Original
21-8	1st	22-24	Original
21-9	1st	22-25	Original
21-10	4th	22-26	Original
21-11	1st	22-27	Original
21-11.1	1st	22-28	Original
21-12	2nd	22-29	Original
21-12.1	Original	22-30	Original
21-13	3rd	22-31	Original
21-14	6th	22-32	Original
21-15	2nd	22-33	Original
21-16	2nd	22-34	Original
21-16.1	Original	22-35	1st
21-17	1st	22-36	Original
21-18	Original	22-37	Original
21-19	2nd	22-38	1st
21-20	3rd	22-39	Original
21-21	3rd	22-40	Original
21-22	1st	22-41	1st
21-23	2nd	22-42	1st
21-24	3rd	22-43	2nd
21-25	1st	22-44	3rd
21-26	2nd	22-44.1	Original
21-27	3rd	22-44.2	5th
21-28	Original	22-44.3	3rd
21-29	3rd	22-44.4	5th
21-29.1	2nd	22-44.5	5th
21-29.2	4th	22-44.6	2nd
21-30	4th	22-44.7	Original
22-1	Original	22-44.8	Original
22-2	4th	22-44.9	4th*
22-3	3rd	22-44.9.1	3rd
22-4	Original	22-44.10	2nd
22-5	Original	22-44.10.1	Original
22-6	Original	22-44.11	Original
22-7	1st	22-44.12	1st
22-8	1st	22-44.13	Original
22-9	2nd	22-44.14	Original
22-10	1st	22-44.15	Original
22-11	1st	22-44.16	Original
22-12	Original	22-44.17	Original
22-13	Original	22-44.18	Original
22-14	Original	22-44.19	Original
22-15	Original	22-44.20	Original
22-16	4th	22-44.21	Original
22-17	2nd	22-44.22	Original
22-17.1	Original	22-44.23	1st
22-18	2nd	22-44.24	1st
22-18.1	Original		

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ACCESS SERVICE  
RATES, RULES AND CHARGES  
CHECK SHEET (Cont'd)

<u>Page</u>	<u>Number of Revision Except as Indicated</u>	<u>Page</u>	<u>Number of Revision Except as Indicated</u>
24-9	1st	25-26	1st
24-10	Original	25-27	Original
24-11	Original	26-1	1st
24-12	1st	26-2	Original
24-13	1st	26-3	Original
24-14	1st	26-4	3rd
24-15	1st	26-5	Original
24-15.1	Original	26-6	1st
24-16	2nd	26-6.1	1st
24-16.1	Original	26-7	2nd
24-17	1st	26-8	1st
24-17.1	Original	26-9	5th*
24-17.2	Original	26-10	Original
24-17.3	Original	26-11	Original
24-17.4	Original	26-12	1st
24-17.5	Original	26-13	Original
24-17.6	Original	26-14	Original
24-17.7	Original	26-15	Original
24-17.8	Original	26-16	2nd
24-17.9	Original	26-17	Original
24-17.10	Original	26-18	2nd
24-17.11	Original	26-19	2nd
24-17.12	Original	26-19.1	Original*
24-17.13	Original	26-20	1st
24-17.14	Original	26-21	1st
24-18	2nd	26-22	3rd
24-19	1st	26-23	3rd
25-1	1st	26-24	Original
25-2	1st	26-25	1st
25-3	1st	26-26	Original
25-4	1st	27-1	2nd
25-5	Original	27-2	1st
25-6	1st	27-3	Original
25-7	Original	27-4	Original
25-8	Original	27-5	3rd
25-9	Original	27-6	5th*
25-10	Original	27-7	1st
25-11	Original	27-8	1st
25-12	Original	27-9	1st
25-13	Original	27-10	Original
25-14	Original	27-11	Original
25-15	Original	27-12	Original
25-16	Original	27-13	2nd
25-17	Original	27-14	6th*
25-18	Original	27-14.1	Original*
25-19	Original	27-15	5th*
25-20	Original	27-16	5th*
25-21	Original	27-17	2nd
25-22	Original	27-18	3rd
25-23	1st	28-1	Original
25-24	1st	28-2	Original
25-25	1st	28-3	Original

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## ACCESS SERVICE

TABLE OF CONTENTS

	<u>Page</u>	
26. Dedicated SONET Ring Service	26-2	
26.1 General Description	26-2	
(A) Basic Service Description	26-2	
(B) Service Provisioning	26-2	
(C) Responsibility of The Telephone Company	26-3	
(D) Rights of The Telephone Company	26-3	
(E) Responsibility of Customer	26-4	
26.2 Technical Specifications	26-4	
26.3 Rate Regulations	26-4	
(A) Rate Elements	26-4	
(B) Term Pricing Plan	26-14	
(C) Moves	26-16	
(D) Upgrades of Dedicated SONET Ring Service to Higher Speed Services	26-17	
(E) Conversion to Dedicated SONET Ring Service from Other Services	26-18	
(F) Shared Network Arrangement	26-19	
(G) Re-Map Service	26-19	
(H) Shared Use	26-19	
(I) STS-1 Service	26-19	
(J) Unprotected Channel Transport (UCT)	26-19.1	(N)
26.4 Rates and Charges	26-21	
(A) Node	26-21	
(B) OC-48 Add/Drop Capability	26-22	
(C) Ports	26-22	
(D) Mileage	26-25	
(E) Optical to Electrical DS1 Add/Drop Capability	26-25	
(F) Dedicated Ring Regenerator	26-26	
(G) Shared Network Arrangement	26-26	
(H) Installation and Rearrangement Charges	26-26	
(I) Re-Map Service	26-26	

(This page filed under Transmittal No. 161)

## ACCESS SERVICE

TABLE OF CONTENTS

	<u>Page</u>	
27. <u>OC-192 Dedicated SONET Ring Service</u>	27-2	
27.1 General Description	27-2	
(A) Basic Service Description	27-2	
(B) Service Provisioning	27-3	
(C) Responsibility of The Telephone Company	27-4	
(D) Rights of The Telephone Company	27-4	
(E) Responsibility of Customer	27-4	
27.2 Technical Specifications	27-5	
27.3 Rate Regulations	27-5	
(A) Rate Elements	27-5	
(B) Dedicated Ring Connection Capacity	27-8	
(C) Term Pricing Plan	27-9	
(D) Moves	27-11	
(E) Upgrade to OC-192 Dedicated SONET Ring Service from Lower Speed Services	27-12	
(F) Migration onto OC-192 Dedicated SONET Ring Service	27-12	
(G) Shared Network Arrangement	27-13	
(H) Shared Use	27-13	
(I) Optical-to-Electrical Add/Drop Capability	27-14	
(J) Re-Map Service	27-14	
(K) STS-1 Service	27-14	
(L) Unprotected Channel Transport (UCT)	27-14.1	(N)
27.4 Rates and Charges	27-15	
(A) Node	27-15	
(B) Add/Drop Capability	27-15	
(C) Ports	27-16	
(D) Mileage	27-16	
(E) Ring Regenerator	27-17	
(F) Shared Network Arrangement	27-17	
(G) Installation and Rearrangement Charges	27-17	
(H) Optical-to-Electrical Add/Drop Capability	27-18	
28. <u>AT&amp;T Volume Discount Plan</u>	28-1	
28.1 General Description	28-1	
(A) Terms and Conditions	28-1	
(B) Volume Tiers and Billing Credit Discounts (BCDs)	28-2	

(This page filed under Transmittal No. 161)

## ACCESS SERVICE

22. Metropolitan Statistical Area Access Services (Cont'd)22.5 Rates and Charges (Cont'd)22.5.2 Special Access Service (Cont'd)22.5.2.13 OC-192 Dedicated SONET Ring Service(A) Nodes

Description	USOC	3 year	5 Year	Monthly Extension
- Customer Premises				
First	GP5AX	\$19,800.00	\$14,400.00	\$33,000.00
First Re-Map	RNFAX	19,800.00	16,000.00	33,000.00
Additional	GP5AA	17,800.00	13,000.00	29,475.00
Additional Re-Map	RNFAA	17,800.00	14,200.00	29,475.00
- Central Office	GC5AX	17,800.00	13,000.00	29,475.00

Description	USOC	Nonrecurring Charge
Nonrecurring charges for subsequent installation		
- Per Node		
Customer Premises	NRBS7	\$400.00
Customer Premises Re-Map	NRBS7	400.00
Central Office	NRBSV	325.00

(B) Add/Drop Capability

Description	USOC	3 year	5 Year	Monthly Extension
Per Arrangement	MXRGX	\$4,500.00	\$3,240.00	\$7,000.00
-(per node) <sup>(1)</sup>				
not to exceed				
any configurable				
combination of				
ports beyond 192				
STS-1 equivalents				

<sup>(1)</sup> The OC192 Add/Drop Capability charge is applied to all nodes, excluding regenerators and CO nodes without drop ports.

(N)

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ACCESS SERVICE

26. Dedicated SONET Ring Service (Cont'd)

26.3 Rate Regulations (Cont'd)

(A) Rate Elements (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. A two-node ring configuration has a two-mile minimum - one mile from the wire center node to the customer premises node, and one mile from the customer premises node to the wire center node.

(5) Optical to Electrical DS1 Add/Drop Capability<sup>(1)</sup>

This option allows an electrical DS1 to be derived from an optical OC-12 or OC-48 ring by using this capability to add/drop the electrical DS1 from an OC-3 port. The Optical-to-Electrical DS1 Add/Drop Capability charge is applied when the 85th DS-1 port is required per OC-12 node. Additional charges will apply per each subsequent increment of 84 DS-1 ports.

For SONET Rings established after 08/02/07, the Optical-to-Electrical DS-1 Add/Drop Capability charge is required when the 29th DS-1 port is ordered per OC-48 node. (N)  
 (N)  
 (N)

(6) Dedicated SONET Ring Regenerator

Regenerators provide essential detection and retransmission of SONET Optical 155.52 Mbps, 622.08 Mbps and 2488.32 Mbps signals between nodes. Regenerators will only be provided as required by the Telephone Company when actual fiber facility distances between nodes exceed inter-nodal design limits (typically 20 to 25 miles). Regenerators will be located exclusively in Telephone Company COs, and do not allow ports to access customer service connections.

(7) Dedicated SONET Ring Connection Capacity

Maximum transport capacity of OC-3, OC-12 and OC-48 Dedicated SONET Ring Service is characterized by the total quantity of individual port-to-port connections allowed between all nodes on the ring. The DS3 Port connections shown below in this section can be exchanged with EC-1 Port connections.

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

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

An OC-3 Sub-ring provided as part of OC-12 or OC-48 Dedicated SONET Ring Service has a maximum capacity equal to one of the above combinations.

For OC-3 Dedicated SONET Ring Service and OC-3 Sub-rings as part of OC-12 or OC-48 Dedicated SONET Ring Service, individual DS1 port-to-DS1 port and DS3 port-to-DS3 port connection capacities may be incrementally distributed between nodes on the ring in any manner.

<sup>(1)</sup> Optical to Electrical DS1 Add/Drop Capability as described in 26.3(A)(5) is needed along with an OC-3 port.

(This page filed under Transmittal No. 161)

## ACCESS SERVICE

26. Dedicated SONET Ring Service (Cont'd)

(N)

26.3 Rate Regulations (Cont'd)(J) Unprotected Channel Transport (UCT)

UCT will allow customers to transport traffic (DS-1, DS-3, up to OC-48), over a ring without enabling SONET protection schemes. This is intended for applications in which the customer provides protection for the circuit through means other than those available through SONET. If a fault occurs on the ring along the transport path, the traffic will not be switched to a protection channel. Service will be interrupted on that circuit until the fault is corrected. The customer is required to call in and open a trouble ticket for the unprotected service. If a fault occurs in the ring, but does not occur along the transport route, service will not be interrupted on that circuit.

Customers who order Dedicated SONET Ring Service may need to replace or upgrade their existing service to invoke use of UCT for circuit assignments. Use of UCT is managed through a Special Routing Code (SRC) in relation to a circuit's Connecting Facility Assignment (CFA). When an Unprotected service is placed on a channel, the protection switching is shut off. When a UCT is disconnected, the channel will revert back to the standard protection mode.

(N)

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## ACCESS SERVICE

27. OC-192 Dedicated SONET Ring Service (Cont'd)27.3 Rate Regulations (Cont'd)(A) Rate Elements (Cont'd)(2) Add/Drop Capability

This provides the capability to add/drop lower speed channels from an OC-192 Dedicated SONET Ring Service node location via OC-48 or OC-12 ports. OC-192 Add/Drop Capability at an OC-192 Dedicated SONET Ring Service node location will support various combinations of service traffic not to exceed 192 STS-1 equivalents, contingent upon limitations of drop port capacity.

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

(N)  
(N)

(3) Ports

Ports provide access to the ring and to lower speed channels (DS3, EC-1, OC-3, OC-3c, OC-12, OC-12c, OC-48, OC-48c, OC-192, 100 Mbps (STS-1) Ethernet, 100 Mbps (STS-3c) Ethernet, 1 Gbps (STS-1) Ethernet, 1 Gbps (STS-3c) Ethernet, 1 Gbps (STS-12c) Ethernet and 1 Gbps (STS-24c) Ethernet) between nodes. Lower speed channels are accessible at nodes via port terminations.

Ethernet over SONET (EoS) allows the efficient transport of Ethernet frames using SONET. Ethernet ports will be available in bandwidths up to the Ethernet interface of 100 Mbps or 1 Gbps on SONET Ring Services as set forth in respective tariffs. As SONET bandwidths will be preset, the customer will be unable to transmit data (including any bursts) beyond these preset SONET bandwidths. Interfaces of 100 Mbps Ethernet or 1 Gbps Ethernet are available only to customers with Next Generation SONET equipment. Access into the Telephone Company's Ethernet ports must conform to industry standards and specifications as described in technical publication SBC-TP-76412-000.

(This page filed under Transmittal No. 161)

## ACCESS SERVICE

27. OC-192 Dedicated SONET Ring Service (Cont'd)27.3 Rate Regulations (Cont'd)(I) Optical-to-Electrical Add/Drop Capability

1. The Optical-to-Electrical DS-1 Add/Drop Capability allows an electrical DS-1 to be derived from an optical OC-192 ring by using this capability to add/drop the electrical DS-1 from an OC-3 port. (T)

Effective 06/10/06, Optical-to-Electrical DS-1 Add/Drop Capability will be available from an optical OC-192 shelf. (T)

The Optical-to-Electrical DS-1 Add/Drop Capability charge is applied when the 29th DS-1 port is required per OC-192 node. Additional charges will apply per each subsequent increment of 84 DS-1 ports. (D)

2. The Optical-to-Electrical DS-3 Add/Drop Capability allows an electrical DS3 to be derived from an optical OC-3, OC-12 or OC-48 shelf. The manner in which a DS3 is dropped will be designed based on forecast and equipment hierarchy. (D)

(J) Re-Map Service

Re-Map Service is provided in conjunction with Dedicated SONET Ring Service and allows for a pre-defined set of services to be re-routed by the Telephone Company from one customer premises node to another customer premises node (defined as a "Re-Map node") in the event of a customer premises disaster. Re-Map service will be tested at initial installation and once each year thereafter. Additional testing can be requested and will be charged on a per test basis. Activation upon customer request in the event of an emergency will be charged on a per occurrence basis.

Once the customer notifies the Telephone Company that they are ready to receive signals to the Re-Map node site, the Telephone Company will Re-Map up to 50 circuits within the initial hours and 20 circuits every hour thereafter. The Emergency Activation Nonrecurring Charge will not be applied if the first 50 circuits are not Re-Mapped within 4 hours due to a Telephone Company-caused delay.

Re-Map testing and activation for OC-192 service requires a minimum of one DS1 (VT1.5), or 1 DS3 (STS-1) between one customer premises node and the Re-Map node. Re-Map testing or activation for OC-12 or OC-48 service requires a minimum incremental group from 1 to 28 DS1s or one DS3 (equals one STS-1) between one customer premises node and the Re-Map node.

The emergency Re-Map activation configuration will be maintained for up to 30 days. After 30 days, if the customer wishes to maintain the emergency configuration, the Emergency Activation Nonrecurring Charge will be applied once for each 30 day additional period.

Re-Map Service is available on Self-Healing Uni-Directional Path Switched Rings (UPSR) only.

(K) STS-1 Service

The STS-1 circuit allows the efficient transport of up to 51.84 Mbps of bandwidth across Dedicated SONET Ring utilizing EC-1 (Electrical Connection - Level 1) ports on the dedicated service. While the EC-1 port is comparable to the DS-3 port as far as the connection capacity per STS, the STS-1 circuit utilizes the entire bandwidth of the STS (51.84 Mbps) while the DS-3 uses 44.76 Mbps of the STS. The STS-1 circuit is available via EC-1 ports on an OC-192 ring.

(This page filed under Transmittal No. 161)

## ACCESS SERVICE

27. OC-192 Dedicated SONET Ring Service (Cont'd)

(N)

27.3 Rate Regulations (Cont'd)

## (L) Unprotected Channel Transport (UCT)

UCT will allow customers to transport traffic (DS-1, DS-3, up to OC-48), over a ring without enabling SONET protection schemes. This is intended for applications in which the customer provides protection for the circuit through means other than those available through SONET. If a fault occurs on the ring along the transport path, the traffic will not be switched to a protection channel. Service will be interrupted on that circuit until the fault is corrected. The customer is required to call in and open a trouble ticket for the unprotected service. If a fault occurs in the ring, but does not occur along the transport route, service will not be interrupted on that circuit.

Customers who order Dedicated SONET Ring Service may need to replace or upgrade their existing service to invoke use of UCT for circuit assignments. Use of UCT is managed through a Special Routing Code (SRC) in relation to a circuit's Connecting Facility Assignment (CFA). When an Unprotected service is placed on a channel, the protection switching is shut off. When a UCT is disconnected, the channel will revert back to the standard protection mode.

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## ACCESS SERVICE

27. OC-192 Dedicated SONET Ring Service (Cont'd)27.4 Rates and Charges(A) Nodes

Description	USOC	3 year	5 Year	Monthly Extension
- Customer Premises				
First	GP5AX	\$19,800.00	\$14,400.00	\$33,000.00
First Re-Map	RNFAX	19,800.00	16,000.00	33,000.00
Additional	GP5AA	17,800.00	13,000.00	29,475.00
Additional Re-Map	RNFAX	17,800.00	14,200.00	29,475.00
- Central Office	GC5AX	17,800.00	13,000.00	29,475.00

Description	USOC	Nonrecurring Charge
Nonrecurring charges for subsequent installation		
- Per Node		
Customer Premises	NRBS7	\$400.00
Customer Premises Re-Map	NRBS7	400.00
Central Office	NRBSV	325.00

(B) Add/Drop Capability

Description	USOC	3 year	5 Year	Monthly Extension
Per Arrangement -(per node) <sup>(1)</sup> not to exceed any configurable combination of ports beyond 192 STS-1 equivalents	MXRGX	\$4,500.00	\$3,240.00	\$7,000.00
- Re-Map <sup>(2)</sup>	M8RGX	\$4,500.00	\$3,600.00	\$7,000.00

(C) Ports

Description	USOC	3 year	5 Year	Monthly Extension
- Per Port				
DS1	S9QWX	50.00	45.00	65.00
DS3	S9QGX	120.00	110.00	150.00
DS3 w/Transmux <sup>(2)</sup>	S4NGX	250.00	200.00	300.00
EC-1	S9TZX	120.00	110.00	150.00
OC-3,OC-3c	S9NEX	135.00	120.00	225.00
OC-12,OC-12c	S9NGX	325.00	300.00	550.00
OC-48,OC-48c	S9NJX	825.00	760.00	1,425.00
OC-192 at OC-192 Node	S9T4X	3,300.00	3,000.00	5,700.00
100 Mbps Ethernet (STS-1) at OC-192	S9TNX	145.00	130.00	225.00
100 Mbps Ethernet (STS-3c) at OC-192	S9TOX	180.00	160.00	280.00
1 Gbps Ethernet (STS-1) at OC-192	S9TPX	250.00	200.00	350.00
1 Gbps Ethernet (STS-3c) at OC-192 node*	S9TQX	250.00	200.00	350.00
1 Gbps Ethernet (STS-12c) at OC-192 node*	S9TRX	600.00	500.00	875.00
1 Gbps Ethernet (STS-24c) at OC-192 node*	S9TSX	900.00	850.00	1,500.00

<sup>(1)</sup> The OC192 Add/Drop Capability charge is applied to all nodes, excluding regenerators and CO nodes without drop ports.

<sup>(2)</sup> Available for rings established on or after 10/17/06.

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## ACCESS SERVICE

27. OC-192 Dedicated SONET Ring Service (Cont'd)27.4 Rates and Charges (Cont'd)(C) Ports (Cont'd)

Description	USOC	36 Months	60 Months	Monthly Extension
- Per port (Re-Map) Per DS1 Re-Map Block (consists of 28 DS1 ports) at OC-192 Ring	RN76X	\$1400.00	\$1260.00	\$1820.00
Per DS3 Re-Map Block (consists of 3 DS3 ports at OC-192 Ring	RN77X	360.00	330.00	400.00
Per DS3 Re-Map Port at OC-192 Ring	RN71X	120.00	110.00	150.00
Per DS3 Transmux Re-Map <sup>(1)</sup>	RN7TX	200.00	200.00(R)	300.00
Per EC-1 Re-Map Port at OC-192 Ring	S4NMX	120.00	110.00	150.00
Per OC-3 Re-Map Port at OC-192 Ring	RN72X	150.00	135.00	190.00
Per OC-12 Re-Map Port at OC-192 Ring	RN73X	375.00	360.00	475.00
Per OC-48 Re-Map Port at OC-192 Ring	RN74X	825.00	700.00	1425.00

Description	USOC	Nonrecurring Charge
Nonrecurring charges for subsequent installation		
- Per port type		
DS1	NRBSY	\$350.00
DS3	NRBSX	385.00
DS3 w/Transmux <sup>(1)</sup>	NRBSX	385.00
EC-1	NRBSX	385.00
OC-3,OC-3c	NRBSW	400.00
OC-12,OC-12c	NRBSZ	400.00
OC-48,OC-48c	NRBN9	425.00
OC-192	NRBN2	750.00
100 Mbps Ethernet (STS-1) at OC-192 node	NRM63	385.00
100 Mbps Ethernet (STS-3c) at OC-192 node	NRM64	385.00
1 Gbps Ethernet (STS-1) at OC-192 node	NRM65	385.00
1 Gbps Ethernet (STS-3c) at OC-192 node	NRM66	425.00
1 Gbps Ethernet (STS-12c) at OC-192 node	NRM67	425.00
1 Gbps Ethernet (STS-24c) at OC-192 node	NRM68	425.00

<sup>(1)</sup> Available for rings established on or after 10/17/06.

(This page filed under Transmittal No. 161)